APPENDIX L

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Prepared for:

Los Alamitos Unified School District
10293 Bloomfield Street
Los Alamitos, California 90720

PHASE 1 ENVIRONMENTAL SITE ASSESSMENT

Los Alamitos High School
3591 West Cerritos Avenue, Building 300
Los Alamitos, Orange County, California 90720

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Issued on June 10, 2019
Project Number: 19-018

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1.0 EXECUTIVE SUMMARY

1.1 FINDINGS

The Phase One Group has performed a Phase 1 Environmental Site Assessment (Phase 1 ESA) in general accordance with the scope and limitations of ASTM Practice E1527-13 of Los Alamitos High School, located at 3591 West Cerritos Avenue, Building 300, in Los Alamitos, Orange County, California 90720 (the "subject property"). The Phase 1 Environmental Site Assessment is designed to provide the Los Alamitos Unified School District with an assessment concerning environmental conditions as they exist at the subject property. Any exceptions to or deletions from this scope of work are described in the report.

The site inspection was performed by Mr. Mark E. Smith, Environmental Professional, a representative of The Phase One Group, on April 22, 2019. The subject property is located at 3591 West Cerritos Avenue, Building 300, in Los Alamitos, Orange County, California 90720.

The subject property is located on the north side of West Cerritos Avenue, approximately 193 feet east of the intersection of West Cerritos Avenue and Norwalk Boulevard. The subject property is an "L-shaped" area totaling approximately 1.51-acres in size and is located within the school campus property of Los Alamitos High School and is situated on two parcels of land identified by the Orange County Assessor as Assessor's Parcel Number (APN) 242-262-02 and 242-262-07. The subject property is currently developed with the western-half of the single-story high school administration and media center building which is part of the Los Alamitos High School campus. The subject property building totals approximately 60,000 square feet in size and according to the City of Los Alamitos Development Services Department, Building and Safety Division, the subject property building was built in 1968. The remainder of the subject property is developed with concrete walkways, the northern portion of an asphalt-paved vehicle parking lot and associated landscaping. According to the Los Alamitos Unified School District, the existing subject property building will be demolished and redeveloped with a new Student Services/Science, Technology, Engineering & Math (STEM) Classroom Building. At the time of The Phase One Group's site visit, the subject property building was unoccupied. No evidence of the use of reportable quantities of hazardous materials and petroleum products or the generation of hazardous waste was observed on the subject property during the site visit.

Based on a review of historical sources, the subject property was undeveloped from prior to 1896 until prior to 1963, when the subject property appeared to be developed for agricultural purposes. In 1968, the existing high school administration and media center building was built. The building was unoccupied at the time of The Phase One Group's site visit.

The subject property is located within the Los Alamitos High School Campus. The subject property address, Los Alamitos High School, 3591 Cerritos Avenue, is listed as an AIR-DIST, CERS, CRSP, FRS, NPDES, and ENVIROSTOR site in the Environmental Record

Search (ERS) environmental database report. Based on the current regulatory status, these listings do not appear to be indicative of a potential environmental concern to the subject property.

The subject property is located on the Los Alamitos High School campus. The vicinity of the subject property can be described as a school building (3591 West Cerritos Avenue, Building 600) and a school building (3591 West Cerritos Avenue, Building PAC) to the north; a school building (3591 West Cerritos Avenue, Building 300) to the east; a school vehicle parking lot to the south; and a school building (3591 West Cerritos Avenue, Building 100) and a school building (3591 West Cerritos Avenue, Building 150) to the west.

As noted above, the subject property is located within the Los Alamitos High School campus. Los Alamitos High School, 3591 Cerritos Avenue, is listed as an AIR-DIST, CERS, CRSP, FRS, NPDES, and ENVIROSTOR site in the Environmental Record Search (ERS) environmental database report.

1.2 CONCLUSIONS

The Phase One Group has performed a Phase 1 Environmental Site Assessment in conformance with the scope and limitations of ASTM Standard E1527-13 of the Los Alamitos High School property located at 3591 West Cerritos Avenue, Building 300, in Los Alamitos, Orange County, California 90720 (the "subject property"). Any exceptions to or deletions from this practice are described in Section 2.0 of this report. This assessment has revealed no evidence of recognized environmental conditions (RECs), historical recognized environmental conditions (HRECs) or controlled recognized environmental conditions (CRECs) in connection with the subject property, except for the following:

- Los Alamitos High School, at 3591 West Cerritos Avenue, is the school campus which the subject property is part of. In order to obtain additional information regarding the ENVIROSTOR listing for the school campus, The Phase One Group researched the EnviroStor website https://www.envirostor.dtsc.ca.gov. A report entitled "Report of Preliminary Endangerment Assessment (PEA), Los Alamitos High School, 3951 Cerritos Avenue, Los Alamitos, California 90720, prepared for The Department of Toxic Substances Control (DTSC), prepared by EDR-Associates LLC, dated March 2005 was reviewed. According to the PEA, in 2004, an expansion project was underway on the western portion of the Los Alamitos High School Campus. The expansion project included the areas encompassing Building 700 and Building 750, located approximately 125 feet northwest of the subject property. The PEA site evaluation only included the expansion project area of the high school campus and did not include the subject property. According to the PEA, in August 2004, construction workers at the Los Alamitos High School expansion project noticed a gasoline-like odor during the installation of an elevator piston shaft. Although an underground storage tank (UST) had never been located on the high school campus property, a demolished gasoline station was located on the adjacent property to the southwest, identified as Unocal #4727, at 3501 Cerritos Avenue, located approximately 131 feet west-southwest of the subject property (please refer to Section 5.2). Remedial activities addressing both soil and

groundwater were in progress at this location. The possibility of petroleum fuel contaminants at the high school campus led the Los Alamitos School District (the District) to request guidance from the Department of Toxic Substances Control (DTSC) School Site Evaluation Unit. The DTSC required a Preliminary Endangerment Assessment (PEA) at the high school campus to evaluate the existence of petroleum fuel and other contaminants at the high school campus, and (if such contaminants exist) to evaluate the health risk that they might pose. EDFA was retained by the District to conduct the PEA. This work was conducted, in general accordance with the guidelines of the California Environmental Protection Agency (Cal/EPA), DTSC, PEA Guidance Manual (January 1994, second printing June 1999). The PEA site evaluation included the collection of soil vapor samples from nine locations, groundwater samples from three locations, soil samples for pesticide analyses from eight locations, soil sample analyses from four locations and soil samples for background metal analyses from four off-site locations. The soil vapor samples, groundwater samples and soil samples were all collected in the expansion area. The four background soil samples were all collected on the northern portion of the high school campus. None of the soil samples were collected in the subject property area. Results from these analyses are summarized below:

- Soil vapor analyses by EPA Method 8260B- non-detect for all samples;
- Duplicate vapor analyses by EPA Method 8260B and modified EPA Method 8015 – non-detect for this sample;
- Groundwater analyses by EPA Method 8260B – non-detect for all samples;
- Duplicate groundwater analyses (2) by EPA Method 8260B – non-detect for all samples;
- Soil analyses for organochlorine pesticides by EPA Method 80801A - no detections above preliminary remediation goals for residential soils;
- Duplicate soil analyses (2) for organochlorine pesticides by EPA Method 80801A - no detections above preliminary remediation goals for residential soils;
- Soil analyses for metals by EPA Method 7000 - metal concentrations of potential regulatory concern were not detected in any soil sample (including the background samples); and
- Duplicate soil analyses (2) for metals by EPA Method 7000 - Metal concentrations of potential regulatory concern were not detected in any soil sample (including the background samples).

Based on these data, a Health Risk Screening Assessment was not required, and EDFA concluded that the probability of contracting cancer and/or experiencing non-carcinogenic adverse health effects when exposed to any residual chemicals remaining at the high school campus was negligible. Therefore, it was recommended that the high school campus be granted a full closure with no further

action required. Although the PEA concluded that no further action was required at the expansion project, which did not include the subject property, the potential exists that the subject property has been adversely impacted by the former Unocal gasoline station to the west-southwest. Based on the above, the former off-site Unocal gasoline station is considered an REC in connection with the subject property.

- According to historical sources reviewed, the subject property appeared to be developed for agricultural purposes prior to the development of the existing school campus. There is a potential that agricultural related chemicals such as organochlorine pesticides, herbicides, fertilizers and arsenic may have been used and stored onsite. Based on the above, this is considered an REC in connection with the subject property.

An environmental issue refers to environmental concerns identified by The Phase One Group which do not qualify as RECs; however warrant further discussion. The following environmental issues were identified during the course of this assessment:

- The subject property building was reportedly built in 1968. The Phase One Group has conducted a limited, visual evaluation of accessible areas for the presence of suspect asbestos-containing materials (ACMs) at the subject property. The objective of this visual survey was to note the presence and condition of suspect ACMs observed. Suspect ACMs observed at the subject property buildings included wallboard/drywall, vinyl floor tile and suspended ceiling time. The suspect ACMs observed appeared to be in undamaged condition.

- The subject property building was reportedly constructed in 1968. Based on the age of the subject property building (pre-1978), there is a potential that lead-based paint (LBP) is present. Interior and exterior painted surfaces were observed in undamaged condition.

1.3 RECOMMENDATIONS

As a result of this assessment, The Phase One Group recommends the following:

- A limited subsurface investigation should be conducted at the subject property in order to determine the presence or absence of soil and/or groundwater contamination due to potential that agricultural related chemicals such as organochlorine pesticides, herbicides, fertilizers and arsenic may have been used and stored onsite, and the former off-site Unocal gasoline service station.

- Based on the construction date of the subject property building (1968), a comprehensive asbestos survey of suspect asbestos-containing material (ACM) of construction materials at the subject property is recommended prior to any renovation or demolition activities to confirm the presence or absence of asbestos to prevent potential exposure to workers and/or building occupants.

- Based on the construction date of the subject property building (1968), a comprehensive lead-based paint (LBP) survey of painted surfaces at the subject property is recommended prior to any renovation or demolition activities to confirm the presence or absence of LBP to prevent potential exposure to workers and/or building occupants.

This summary is not to be used alone. This report must be read in its entirety.

2.0 INTRODUCTION

2.1 PURPOSE

The purpose of this Phase 1 Environmental Site Assessment (Phase 1 ESA) is to identify existing or potential Recognized Environmental Conditions (as defined by ASTM Standard E1527-13) affecting the subject property that: 1) constitute or result in a material violation or a potential material violation of any applicable environmental law; 2) impose any material constraints on the operation of the subject property or require a material change in the use thereof; 3) require clean-up, remedial action or other response with respect to Hazardous Substances or Petroleum Products on or affecting the subject property under any applicable environmental law; 4) may affect the value of the subject property; and 5) may require specific actions to be performed with regard to such conditions and circumstances. The information contained in the Phase 1 ESA report will be used by Client to: 1) evaluate its legal and financial liabilities for transactions related to foreclosure, purchase, sale, loan origination, loan workout or seller financing; 2) evaluate the subject property's overall development potential, the associated market value and the impact of applicable laws that restrict financial and other types of assistance for the future development of the subject property; and/or 3) determine whether specific actions are required to be performed prior to the foreclosure, purchase, sale, loan origination, loan workout or seller financing of the subject property.

This Phase 1 ESA was performed to permit the User to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) liability (hereinafter, the "landowner liability protections," or "LLPs"). ASTM Standard E1527-13 constitutes "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined at 42 U.S.C. §9601(35)(B).

2.2 SCOPE OF WORK

The scope of work for this Phase 1 ESA is in general accordance with the requirements of ASTM Standard E1527-13. This assessment included: 1) a property and adjacent site reconnaissance; 2) interviews with key personnel; 3) a review of historical sources; 4) a review of environmental regulatory agency records; and 5) a review of an environmental regulatory database report provided by a third-party vendor. The Phase One Group contacted local agencies, such as environmental health departments, fire departments and building departments, in order to determine any current and/or former hazardous substances usage, storage and/or releases of hazardous substances on the subject property. Additionally, The Phase One Group researched information on the presence of Activity and Use Limitations (AULs) at these agencies. As defined by ASTM E1527-13, AULs are the legal or physical restrictions or limitations on the use of, or access to, a site or facility: 1) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or groundwater on the subject

property; or 2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls (IC/ECs), are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil or groundwater on the property.

If requested by Client, this Phase 1 ESA report may also include the identification, discussion of, and/or limited sampling of asbestos-containing materials (ACMs), lead-based paint (LBP), mold and/or radon.

2.3 REPORT RELIANCE

This assessment was performed at the request of Bright High Wireless, Inc. utilizing methods and procedures consistent with good commercial or customary practices designed to conform to acceptable industry standards. This report may be distributed to and relied upon by Bright High Wireless, Inc., its successors and assigns and Conduit to be assigned by Bright High Wireless, Inc., its successors and assigns with respect to a loan upon the project, together with any rating agency or issuer or purchaser of any security collateralized or otherwise backed up by such loan. The independent conclusions The Phase One Group's best professional judgment based on the conditions that existed and the information and data available to us during the course of this assignment. Factual information regarding operations, conditions, and test data provided by Bright High Wireless, Inc., owner, or its representative has been assumed to be correct and complete.

2.4 LIMITATIONS

The information presented in this Phase 1 ESA report is based on the agreed upon scope of work as noted above. The Phase One Group makes no warranties or guarantees as to the accuracy or completeness of information obtained from information provided or compiled by others. It is possible that information exists beyond the scope of this investigation. Also, changes in subject property use may have occurred sometime in the past due to variations in rainfall, temperature, water usage, economic, agricultural or other factors. Limited site specific information was made available to The Phase One Group about the subject property. Additional information that was not found or available to The Phase One Group at the time of writing the report, may result in a modification of the conclusions and recommendations presented. This report is not a legal opinion. The services performed by The Phase One Group have been conducted in a manner consistent with the level of care ordinarily exercised by members of our profession currently practicing under similar conditions. No other warranty, expressed or implied, is made.

The Phase One Group notes that all surficial environmental assessments are inherently limited in the sense that conclusions are drawn and recommendations developed from information obtained from limited research and site evaluation. Subsurface conditions were not field investigated as part of this study and may differ from the conditions

implied by the surficial observations. Additionally, the passage of time may result in a change in the environmental characteristics at this site and surrounding properties.

The Phase One Group notes that no investigation can absolutely rule out the existence of any hazardous materials at a given site. This assessment has been based upon prior site history and observable conditions and activities. Existing hazardous materials and contaminants can escape detection using these methods.

The work performed in conjunction with this assessment and the data developed are intended as a description of available information at the dates and location given. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated. In addition, this report is not intended as a regulatory agency compliance/safety audit or for the purpose of ensuring that all applicable permits and/or operating procedures are current and/or appropriate.

The Phase One Group recommends that any periodic review of any property should include an update of information on environmental conditions in the area. The Phase One Group notes that no soils, groundwater, or potable water testing for the presence of hazardous substances was performed for this assessment.

2.5 LIMITING CONDITIONS

The findings and conclusions contain all of the limitations inherent in these methodologies that are referred to in ASTM E1527-13.

Specific limitations and exceptions to this Phase 1 ESA are more specifically set forth below:

- Interviews with the past owners, operators and occupants were not reasonably ascertainable and thus constitute a data gap. Based on information obtained from other historical sources (as discussed in Section 5.1.2), this data gap is not expected to alter the findings of this investigation.

- The Phase One Group requested information relative to deed restrictions, environmental liens and a title search from the Report User. This information was not provided at the time of the assessment.

- The Phase One Group submitted Freedom of Information Act (FOIA) requests to the Orange County Health Care Agency, Environmental Health Division and the Orange County Fire Authority (OCFA) for information pertaining to hazardous substances, underground storage tanks, releases, inspection records, etc. for the subject property. As of this writing, the Orange County Health Care Agency, Environmental Health Division and the OCFA have not responded to The Phase One Group's request. Based on information obtained from other historical sources, this limitation is not expected to alter the overall findings of this assessment. If issues of an environmental concern are identified upon review of these documents, The Phase One Group will issue an addendum to this report.

3.0 PROPERTY DESCRIPTION

3.1 PROPERTY LOCATION AND DESCRIPTION

3.1.1 Type of Property

The subject property is located on the north side of West Cerritos Avenue, approximately 193 feet east of the intersection of West Cerritos Avenue and Norwalk Boulevard. The subject property is an "L-shaped" area totaling approximately 1.51-acres in size and is located within the school campus property of Los Alamitos High School and is situated on two parcels of land identified by the Orange County Assessor as Assessor's Parcel Number (APN) 242-262-02 and 242-262-07. The subject property is currently developed with the western-half of the single-story high school administration and media center building which is part of the Los Alamitos High School campus. The subject property building totals approximately 60,000 square feet in size and according to the City of Los Alamitos Development Services Department, Building and Safety Division, the subject property building was built in 1968. The remainder of the subject property is developed with concrete walkways, the northern portion of an asphalt-paved vehicle parking lot and associated landscaping. According to the Los Alamitos Unified School District, the existing subject property building will be demolished and redeveloped with a new Student Services/Science, Technology, Engineering & Math (STEM) Classroom Building. At the time of The Phase One Group's site visit, the subject property building was unoccupied. No evidence of the use of reportable quantities of hazardous materials and petroleum products or the generation of hazardous waste was observed on the subject property during the site visit.

3.1.2 Improvements

The subject property is an "L-shaped" area totaling approximately 1.51-acres in size and is located within the school campus property of Los Alamitos High School. The subject property is currently developed with the western-half of the single-story high school administration and media center building which is part of the Los Alamitos High School campus. The subject property building totals approximately 60,000 square feet in size and according to the City of Los Alamitos Development Services Department, Building and Safety Division, the subject property building was built in 1968. The remainder of the subject property is developed with concrete walkways, the northern portion of an asphalt-paved vehicle parking lot and associated landscaping.

3.1.3 Current Property Use

At the time of The Phase One Group's site visit, the subject property building was unoccupied. No evidence of the use of reportable quantities of hazardous materials and petroleum products or the generation of hazardous waste was observed on the subject property during the site visit.

4.0 USER PROVIDED INFORMATION

Pursuant to ASTM E1527-13, The Phase One Group requested the following site information from Los Alamitos Unified School District (User of this report).

4.1 TITLE RECORDS

The Phase One Group requested title records from the User; however, title records were not available and were not provided to The Phase One Group for review.

4.2 ENVIRONMENTAL LIENS OR ACTIVITY USE LIMITATIONS

The Phase One Group requested information from the User regarding knowledge of environmental liens, activity and use limitations for the subject property. The User, Los Alamitos Unified School District, was not aware of any environmental liens associated with the subject property.

4.3 SPECIALIZED KNOWLEDGE

The Phase One Group inquired with the site contact regarding any specialized knowledge of environmental conditions associated with the subject property. The site contact, Mr. Garrett Miller, Construction Manager, Rachlin Partners, was not aware of any environmental conditions associated with the subject property.

4.4 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

The Phase One Group inquired with the site contact regarding any specialized knowledge of environmental conditions associated with the subject property. The site contact, Mr. Garrett Miller, Construction Manager, Rachlin Partners, was not aware of any environmental conditions associated with the subject property.

4.5 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

The Phase One Group inquired with the site contact regarding any knowledge of reductions in property value due to environmental issues. The site contact, Mr. Garrett Miller, Construction Manager, Rachlin Partners, was not aware of any valuation reductions associated with the subject property.

4.6 OWNER, PROPERTY MANAGER AND OCCUPANT INFORMATION

According to the Orange County Assessor, the current subject property owner is identified as Los Alamitos Unified School District, who has owned the subject property since 1985. Mr. Garrett Miller, Construction Manager, Rachlin Partners, was interviewed and provided property specific information. At the time of The Phase One Group's site visit, the subject property building was unoccupied. No evidence of the use of reportable quantities of hazardous materials and petroleum products or the generation of hazardous waste was observed on the subject property during the site visit.

4.7 PRIOR REPORTS

No prior reports issued for the subject property by others were provided to The Phase One Group for review.

4.8 REASON FOR PERFORMING PHASE 1 ESA

The Phase One Group understands that the findings of this study will be used by the Los Alamitos Unified School District for environmental due diligence purposes.

5.0 RECORDS REVIEW

5.1 GENERAL PUBLIC RECORDS

5.1.1 Physical Setting Sources

5.1.1.1 Topography

The United States Geological Survey (USGS), Los Alamitos, California Quadrangle 7.5 minute series topographic map was reviewed for this ESA. This map was published by the Geological Survey in 1981. According to the contour lines on the topographic map, the subject property is located approximately 26 feet above Mean Sea Level (msl). The contour lines in the area of the subject property slopes gently to the west. The subject property is depicted on the map as developed with the existing subject property building.

5.1.1.2 Geology/Soils

Based on the review of the Geologic Map of California, Los Angeles sheet, published by the Division of Mines and Geology, dated 1969, the Property is underlain by Quaternary alluvium and terrace deposits which primarily consist of silt and clay, with local gravel and sand lenses. The alluvium and terrace deposits overlie marine and lagoonal sedimentary rocks, which overlie the Puente formation of Monterey Shale (bedrock) at approximately 2,700 feet below surface grade.

Based on information obtained from the USDA Natural Resources Conservation Service Web Soil Survey online database, the subject property is mapped as Urban land-Metz-Pico complex, 0 to 2 percent slopes (1000LA). These soils are from discontinuous human-transported material over mixed alluvium derived from granite and/or sedimentary rock, somewhat excessively drained and have a low available water storage capacity.

5.1.1.3 Hydrology

According to California's Groundwater: Bulletin 118, published by the State of California Department of Water Resources, the subject property is located in the Coastal Plain of Orange County Groundwater Basin. The Coastal Plain of Orange County Groundwater Basin (Orange County Basin) underlies a coastal alluvial plain in the northwestern portion of Orange County. The basin is bounded by consolidated rocks exposed on the north in the Puente and Chino Hills, on the east in the Santa Ana Mountains, and on the south in the San Joaquin Hills. The basin is bounded by the Pacific Ocean on the southwest and by a low topographic divide approximated by the Orange County - Los Angeles County line on the northwest. The basin underlies the lower Santa Ana River watershed.

The nearest surface water in the vicinity of the subject property is Coyote Creek, located approximately 0.19-mile northwest of the subject property. No settling ponds, lagoons, surface impoundments, wetlands or natural catch basins were observed at the subject property during this assessment.

According to available information, a public water system operated by Golden State Water serves the subject property vicinity. According to a representative of Golden State Water, shallow groundwater directly beneath the subject property is not utilized for domestic purposes. The source of public water for Golden State Water is a blend of groundwater pumped from the Orange County Groundwater Basin and imported water from the Colorado River Aqueduct and the State Water Project.

According to environmental documentation posted on the State Water Resources Control Board, GeoTracker website (http://geotracker.swrcb.ca.gov), the depth and direction of groundwater in the vicinity of the subject property is inferred to be present at approximately four to 13 feet below ground surface (bgs) and flow toward the southeast to south.

5.1.2 Historical Use Information

5.1.2.1 Prior Uses of Property

Based on a review of historical sources, the subject property was undeveloped from prior to 1896 until prior to 1963, when the subject property appeared to be developed for agricultural purposes. In 1968, the existing high school administration and media center building was built. The building was unoccupied at the time of The Phase One Group's site visit.

5.1.2.2 Recorded Land Title Records

Environmental liens recorded against the subject property were not reported to The Phase One Group.

5.1.2.3 Chain of Title

A 50-year chain-of-title was not requested for this study. Historical use of the subject property was researched using other standard historical sources.

5.1.2.4 Aerial Photographs

Available aerial photographs dated 1952, 1963, 1972, 1988, 1994, 2003, 2014 and 2018, from Environmental Record Search (ERS), were reviewed for this Phase 1 ESA. The photographs are discussed below.

Date: **1952**
Source: **ERS**
Description: The 1952 aerial photograph shows the subject property as undeveloped. The adjacent property to the north appears to be

undeveloped. The adjacent property to the east appears to be undeveloped. The adjacent property to the south appears to be undeveloped. The adjacent property to the west appears to be undeveloped.

Date: **1963**
Source: **ERS**
Description: The 1963 aerial photograph shows the subject property as developed for agricultural purposes. The adjacent property to the north appears to be developed for agricultural purposes. The adjacent property to the south appears to be developed for agricultural purposes. The adjacent property to the west appears to be developed for agricultural purposes.

Date: **1972**
Source: **USDA**
Description: The 1972 aerial photograph shows the subject property as developed with the existing subject property building as part of the Los Alamitos High School campus. The adjacent property to the north appears to be developed with the two existing buildings as part of the Los Alamitos High School campus. The adjacent property to the south appears to be developed with the existing school vehicle parking lot and high school campus. The adjacent property to the west appears to be developed with the two existing buildings as part of the Los Alamitos High School campus.

Date: **1988**
Source: **ERS**
Description: The 1988 aerial photograph showed no changes to the subject property or the adjoining properties as compared to the 1972 aerial photograph.

Date: **1994**
Source: **ERS**
Description: The 1994 aerial photograph showed no changes to the subject property or the adjoining properties as compared to the 1988 aerial photograph.

Date: **2003**
Source: **ERS**
Description: The 2003 aerial photograph showed no changes to the subject property or the adjoining properties as compared to the 1994 aerial photograph.

Date: **2014**
Source: **ERS**
Description: The 2014 aerial photograph showed no changes to the subject property or the adjoining properties as compared to the 2003 aerial photograph.

Date: **2018**
Source: **ERS**
Description: The 2018 aerial photograph showed no changes to the subject property or the adjoining properties as compared to the 2014 aerial photograph.

5.1.2.5 Fire Insurance Maps

Sanborn maps were originally created in the late 1800s and early 1900s for assessing fire insurance liability in urbanized areas of the United States. These maps include detailed town and building information.

The Phase One Group reviewed Sanborn Fire insurance maps available from ERS on May 22, 2019. Sanborn map coverage was not available for the subject property.

5.1.2.6 Historical City Directories

Historical city directories were researched by ERS and presented in their report dated May 23, 2019. The historical use of the subject property is summarized below:

1964	No address listing
1977-2008 (non-inclusive)	Los Alamitos High School

A copy of the city directory report is included in the appendix.

5.1.2.7 Historical Topographic Maps

Available historical topographic maps dated 1896, 1902, 1911, 1923, 1932, 1942, 1950, 1960, 1975, 1982 and 2015, from Environmental Record Search (ERS), were reviewed for this Phase 1 ESA. The photographs are discussed below.

Date: **1896**
Source: **USGS**
Description: The 1896 topographic map denotes the subject property as undeveloped. The adjacent property to the north is denoted as undeveloped. The adjacent property to the east is denoted as undeveloped. The adjacent property to the south is denoted as undeveloped. The adjacent property to the west is denoted as undeveloped.

Date: 1902
Source: USGS
Description: The 1902 topographic map showed no changes to the subject property or the adjoining properties as compared to the 1896 topographic map.

Date: 1911
Source: USGS
Description: The 1911 topographic map showed no changes to the subject property or the adjoining properties as compared to the 1902 topographic map.

Date: 1923
Source: USGS
Description: The 1923 topographic map showed no changes to the subject property or the adjoining properties as compared to the 1911 topographic map.

Date: 1932
Source: USGS
Description: The 1932 topographic map showed no changes to the subject property or the adjoining properties as compared to the 1923 topographic map.

Date: 1942
Source: USGS
Description: The 1942 topographic map showed no changes to the subject property or the adjoining properties as compared to the 1932 topographic map.

Date: 1950
Source: USGS
Description: The 1950 topographic map showed no changes to the subject property or the adjoining properties as compared to the 1942 topographic map.

Date: 1960
Source: USGS
Description: The 1960 topographic map showed no changes to the subject property or the adjoining properties as compared to the 1950 topographic map.

Date: 1975
Source: USGS
Description: The 1975 topographic map denotes the subject property as developed with the existing subject property building as part of the Los Alamitos High School campus. The adjacent property to the north is denoted as developed with the two buildings as part of the

Los Alamitos High School campus. The adjacent property to the east is developed with the building as part of the Los Alamitos High School campus. The adjacent property to the south is denoted as part of the Los Alamitos High School campus. The adjacent property to the west is denoted as developed with the two buildings as part of the Los Alamitos High School campus.

Date: **1982**
Source: **USGS**
Description: The 1982 topographic map showed no changes to the subject property or the adjoining properties as compared to the 1975 topographic map.

Date: **2015**
Source: **USGS**
Description: The 2015 topographic map denotes the subject property with no structures. The adjacent property to the north is denoted with no structures. The adjacent property to the east is denoted with no structures. The adjacent property to the south is denoted with no structures. The adjacent property to the west is denoted with no structures.

5.1.2.8 Building Permit Records

The Phase One Group visited the City of Los Alamitos Development Services Department, Building and Safety Division for information on the subject property. According to the building permit records reviewed, the subject property building was built in 1968.

5.1.2.9 Planning Records

The Phase One Group visited the City of Los Alamitos Development Services Department, Planning Division for information on the subject property in order to identify Activity Use Limitations (AULs) associated with the subject property. According to records reviewed, the subject property is zoned CF – Community Facilities – for school use.

5.1.2.10 Other Maps

The Phase One Group performed a review of the Flood Insurance Rate Map, published by the Federal Emergency Management Agency. According to Community Panel Number 06059C 01014J, dated December 3, 2009, the subject property appears to be located in Zone X (shaded), defined as an area with reduced flood risk due to levee.

The Phase One Group researched the State of California Department of Conservation, Division of Oil, Gas and Geothermal Resources (DOGGR), DOGGR Online Mapping System (http://maps.conservation.ca.gov/doms) for information regarding oil and gas development. According to the DOGGR

Online Mapping System, no oil or gas wells are located on or adjacent to the subject property.

5.1.3 Properties and Areas Surrounding the Property

5.1.3.1 Current Uses of Adjoining Properties

The subject property is located on the Los Alamitos High School campus. The current use of adjoining properties was observed from the subject property as follows:

North	A school building (3591 West Cerritos Avenue, Building 600) and a school building (3591 West Cerritos Avenue, Building PAC)
East	A school building (3591 West Cerritos Avenue, Building 300)
South	A school vehicle parking lot
West	A school building (3591 West Cerritos Avenue, Building 100) and a school building (3591 West Cerritos Avenue, Building 150)

5.1.3.2 Past Uses

Based on a review of the historical aerial photographs, the adjoining properties were historically undeveloped and developed for agricultural purposes prior to the development of the current improvements.

5.1.3.3 Current Use of Surrounding Areas

The subject property is located within the Los Alamitos High School campus. None of the adjoining properties are expected to have posed an environmental concern to the subject property.

5.2 ENVIRONMENTAL RECORDS REVIEWS

5.2.1 Mapped Database Records Search

Information from standard federal and state environmental record sources is provided through Envirosite Corporation (Envirosite). Data from governmental agency lists are updated and integrated into one database, which is updated as these data are released. This integrated database also contains postal service data in order to enhance address matching. Records from one government source are compared to records from another to clarify any address ambiguities. The demographic and geographic information available provides assistance in identifying and managing risk. The accuracy of the geocoded locations is approximately +/- 300 feet. Based on the review of the unmappable sites, none of these sites are within the prescribed search radii.

The subject property is located within the Los Alamitos High School campus. The subject property address, Los Alamitos High School, 3591 Cerritos Avenue, is listed as an AIR-DIST, CERS, CRSP, FRS, NPDES, and ENVIROSTOR site in the Environmental Record Search (ERS) environmental database report.

Federal NPL

The National Priorities List (NPL) is the Environmental Protection Agency (EPA) database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund Program.

No NPL sites are located within one mile of the subject property/

Federal CERCLIS List

The Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) list is a compilation of sites that the EPA has investigated or is currently investigating for a release or threatened release of hazardous substances.

No CERCLIS sites are listed within one-half mile of the subject property.

Federal CERCLIS NFRAP Sites List

The CERCLIS No Further Remedial Action Planned (NFRAP) List is a compilation of sites that the EPA has investigated, and has determined that the facility does not pose a threat to human health or the environment, under the CERCLA framework.

One CERCLIS NFRAP sites are listed within one-half mile of the subject property. However, based on the relative distance, regulatory status, and/or inferred direction of groundwater flow, the listed site is not expected to represent a significant environmental concern.

Federal Resource Conservation and Recovery Act (RCRA) CORRACTS TSD Facilities List

The EPA Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Treatment, Storage and Disposal (TSD) database is a compilation by the EPA of reporting facilities that treat, store or dispose of hazardous waste. The Corrective Action Sites (CORRACTS) database is the EPA's list of treatment storage or disposal facilities subject to corrective action under RCRA.

One RCRA CORRACTS TSD site is listed within one mile of the subject property. However, based on the relative distance, regulatory status, and/or inferred direction of groundwater flow, the listed site is not expected to represent a significant environmental concern.

Federal Resource Conservation and Recovery Act (RCRA) Non-CORRACTS TSD Facilities List

The RCRA TSD database is a compilation by the EPA of reporting facilities that treat, store or dispose of hazardous waste.

No RCRA TSD sites are listed within one-half mile of the subject property.

Federal RCRA Generator List

The RCRA program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Generators database is a compilation by the EPA of reporting facilities that generate hazardous waste.

No RCRA Generator facilities are listed on the subject property or on the adjacent properties.

Federal Institutional Controls/Engineering Controls (IC/EC)

The Federal IC/EC database is designed to assist the EPA in collecting, tracking, and updating information, as well as reporting on the major activities and accomplishments of the various Brownfield grant programs. The IC/EC sites are superfund sites that have either engineering or an institutional control in place. The data includes the control and the media contaminated.

No Federal IC/EC sites were found within one-half mile of the subject property.

Federal Emergency Response Notification System (ERNS)

The Emergency Response Notification System (ERNS) is a national database used to collect information or reported release of oil or hazardous substances.

No ERNS sites were listed on the subject property or on the adjacent properties.

Tribal Lands

The Tribal Lands database consists of areas with boundaries established by treaty, statute, and/or executive or court order, recognized by the Federal Government as territory in which American Indian tribes have primary governmental authority. The Indian Lands of the United States map layer shows areas of 640 acres or more, administered by the Bureau of Indian Affairs. Included are Federally-administered lands within a reservation which may or may not be considered part of the reservation.

No Tribal Land sites were found within one-mile of the subject property.

State/Tribal Sites

The State of California Environmental Protection Agency, Department Toxic Substances Control (DTSC) maintains a State Priority List (SPL) of sites considered to be

actually or potentially contaminated and a State CERCLIS-equivalent list (SCL) (ENVIROSTOR) of sites under investigation that could be actually or potentially contaminated and presenting a possible threat to human health and the environment.

No SPL sites and a total of one SCL (ENVIROSTOR) site are listed within one-mile of the subject property and are discussed below:

- Los Alamitos High School, at 3591 West Cerritos Avenue, is the school campus which the subject property building is part of. In order to obtain additional information regarding the ENVIROSTOR listing for the school campus, The Phase One Group researched the EnviroStor website https://www.envirostor.dtsc.ca.gov. A report entitled "Report of Preliminary Endangerment Assessment (PEA), Los Alamitos High School, 3951 Cerritos Avenue, Los Alamitos, California 90720, prepared for The Department of Toxic Substances Control (DTSC), prepared by EDR-Associates LLC, dated March 2005 was reviewed. According to the PEA, in 2004, an expansion project was underway on the western portion of the Los Alamitos High School Campus. The expansion project included the areas encompassing Building 700 and Building 750, located approximately 125 feet northwest of the subject property. The PEA site evaluation only included the expansion project area of the high school campus and did not include the subject property. According to the PEA, in August 2004, construction workers at the Los Alamitos High School expansion project noticed a gasoline-like odor during the installation of an elevator piston shaft. Although an underground storage tank (UST) had never been located on the high school campus property, a demolished gasoline station was located on the adjacent property to the southwest, identified as Unocal #4727, at 3501 Cerritos Avenue, located approximately 131 feet west-southwest of the subject property. Remedial activities addressing both soil and groundwater were in progress at this location. The possibility of petroleum fuel contaminants at the high school campus led the Los Alamitos School District (the District) to request guidance from the Department of Toxic Substances Control (DTSC) School Site Evaluation Unit. The DTSC required a Preliminary Endangerment Assessment (PEA) at the high school campus to evaluate the existence of petroleum fuel and other contaminants at the high school campus, and (if such contaminants exist) to evaluate the health risk that they might pose. EDFA was retained by the District to conduct the PEA. This work was conducted, in general accordance with the guidelines of the California Environmental Protection Agency (Cal/EPA), DTSC, PEA Guidance Manual (January 1994, second printing June 1999). The PEA site evaluation included the collection of soil vapor samples from nine locations, groundwater samples from three locations, soil samples for pesticide analyses from eight locations, soil sample analyses from four locations and soil samples for background metal analyses from four off-site locations. The soil vapor samples, groundwater samples and soil samples were all collected in the expansion area. The four background soil samples were all collected on the northern portion of the high school campus. None of the soil samples were collected in the subject property area. Results from these analyses are summarized below:

    - Soil vapor analyses by EPA Method 8260B- non-detect for all samples;

- Duplicate vapor analyses by EPA Method 8260B and modified EPA Method 8015 – non-detect for this sample;

- Groundwater analyses by EPA Method 8260B – non-detect for all samples;

- Duplicate groundwater analyses (2) by EPA Method 8260B – non-detect for all samples;

- Soil analyses for organochlorine pesticides by EPA Method 80801A - no detections above preliminary remediation goals for residential soils;

- Duplicate soil analyses (2) for organochlorine pesticides by EPA Method 80801A - no detections above preliminary remediation goals for residential soils;

- Soil analyses for metals by EPA Method 7000 - metal concentrations of potential regulatory concern were not detected in any soil sample (including the background samples); and

- Duplicate soil analyses (2) for metals by EPA Method 7000 - Metal concentrations of potential regulatory concern were not detected in any soil sample (including the background samples).

Based on these data, a Health Risk Screening Assessment was not required, and EDFA concluded that the probability of contracting cancer and/or experiencing non-carcinogenic adverse health effects when exposed to any residual chemicals remaining at the high school campus was negligible. Therefore, it was recommended that the high school campus be granted a full closure with no further action required.

A copy of the PEA report is included in the appendix.

Solid Waste/Landfill Facilities (SWLF)

A database of Solid Waste/Landfill Facilities (SWLF) is prepared by California Integrated Waste Management Board.

No SWLF facilities are listed within one-half mile of the subject property.

State/Tribal Leaking Underground Storage Tank List (LUST)

The California Regional Water Quality Control Board compiles lists of all leaks of hazardous substances from underground storage tanks, identified as Leaking Underground Storage Tank (LUST) facilities.

A total of 19 LUST facilities are identified within one-half mile of the subject property and are discussed below:

- Unocal #4727, at 3501 Cerritos Avenue, is located approximately 131 feet west-southwest of the subject property. This gasoline station site is currently a vacant,

graded lot. According to the environmental database report, an unauthorized release of gasoline impacting soil and groundwater occurred at this gasoline station site. According to environmental documentation posted on the State Water Resources Control Board, GeoTracker website (http://geotracker.swrcb.ca.gov), the cleanup status is reported as "open – site assessment as of June 7, 2010" under Case No. 083002155T. According to the most recent Quarterly Status Report, First Quarter 2019, Chevron Site No. 306600 (Former Unocal No. 4727), 3501 Cerritos Avenue, Los Alamitos, California, prepared by Arcadis, prepared for the Orange County Health Care Agency, Blaine Tech Services, Inc. (BTS) conducted quarterly groundwater monitoring activities on February 4 and 5, 2019. A total of 31 groundwater monitoring wells (MW-1, MW-2, MW-5, MW-6, MW-7, MW-13 through MW20, MW-14D though MW-18D, MW-21S, MW-21D, MW-22, MW-23S, MW-23M, MW-23D, MW-24S, MW24M, MW-24D, RMC-5, RMC-6, RMC-7, VEW-1) were reportedly gauged and sampled by BTS representatives. Groundwater samples were submitted to Eurofins/Calscience, a California-certified laboratory under standard chain-of-custody protocols. According to Arcadis, the estimated groundwater flow directions and hydraulic gradients in the shallow and deep zones were generally consistent with previous monitoring events (south and southeast). The groundwater analytical results were also reportedly generally consistent with previous events except for groundwater monitoring wells MW-11, MW-16, MW-16D, MW-19 and MW-20. The highest TPH-g and benzene, toluene, ethylbenzene, and xylenes (BTEX) concentrations continue to be detected in groundwater monitoring wells MW-14, MW-19, and MW-20 which were in/near the area of former underground storage tanks (USTs). Only low concentrations of petroleum hydrocarbons were detected in the deep zone, with concentrations below Low-Threat Closure Policy (LTCP) criteria; however, groundwater monitoring well MW-16D, located over 300 feet west of the subject property, did show increased concentrations of TPH-g, TPH-Jet A, and benzene. Detected chemical concentrations during the first quarter 2019 sampling event continued to be below site historical maximum concentrations except for TPH-Jet A, which was detected highest in groundwater monitoring well MW-20 (5,700 micrograms per liter [ug/L]). Sampling for TPH-Jet A began in second quarter 2018 and groundwater monitoring wells MW-2, MW-14D, MW-16D, MW-20, MW-21S, MW-24S, RMC-7 and VEW-1 all exhibited increased concentrations for TPHJet A during the first quarter 2019 monitoring event. TPH-g concentrations also increased in groundwater monitoring wells MW-14, MW14D, MW-16D, MW-18D, MW-19, MW-24S, RMC-5, RMC-6 and RMC-7. TPH-d also increased in groundwater monitoring wells MW-2, MW-16D, MW-19, VEW-1, MW-24M and MW-24D. During first quarter 2019, the duplicate sample collected from groundwater monitoring well MW-14 showed significant difference in TPH-g and TPH-d w/Si gel concentrations from the parent sample. Monitoring well MW-19 showed a significant increase in TPH-g concentration (43,000 ug/L) for the first quarter 2019 event, this had been a previous trend observed for this monitoring well. Groundwater monitoring well MW-16 showed a historical minimum concentration for TPH-g, TPH-d, TPH-Jet A and BTEX. Groundwater monitoring well MW-16D showed an increase in concentration for TPH-g, TPH-d, TPH-Jet A, BTEX and TBA. MW-20 showed an increase in concentration of TPH-Jet A, Benzene, Toluene and TBA. TPH-d and TPH-Jet A data for the gasoline station site was routinely reported by Eurofins/Calscience as

inconsistent with the reference fuel standard. In the Orange County Health Care Agency (OCHCA) letter dated September 7, 2018 (OCHCA 2018), TPH with carbon chain identification analysis was recommended to be run on groundwater samples; and was performed for the current event. Based on the results from the carbon chain analysis, most of the reported TPH was from C4-C14. TPH-g is typically associated with C4-C12, TPH-Jet A is typically associated with C7-C17, and TPH-d is typically associated with C10-C28. Based on a review of the first quarter 2019 carbon chain data, results appear to indicate weathered gasoline; however, there are carbon chain detections above the typical gasoline standard. Arcadis recommended continued monitoring of TPH with carbon chain identification to further substantiate TPH ranges at the gasoline station site. Furthermore, between fourth quarter 2017 and first quarter 2018 the laboratory was changed from Eurofins Lancaster to Eurofins/Calscience. In fourth quarter 2017 (and presumably earlier) TPH-d was reported as C13-C22. In first quarter 2018 to present, TPH-d was reported as C6-C28. The increase in TPH-d concentrations subsequent to 4Q17 were likely caused by a switch in laboratories performing analyses with a corresponding change in the reported carbon range for TPH-d. Based on the second round of sampling at the recently installed triple-nested groundwater monitoring wells MW-23 and MW-24, the extent of benzene in groundwater appears to be adequately delineated to the north/northeast of the gasoline station site. Arcadis recommended that groundwater monitoring wells MW-23 and MW-24 be sampled quarterly for at least one year to further evaluate data trends and confirm adequate delineation. In a meeting between OCHCA, CEMC, and Arcadis on November 15, 2018, it was discussed that the State Water Resources Control Board (SWRCB) was investigating potential off-site sources of petroleum hydrocarbons at cases in the immediate gasoline station site area due to the presence of numerous petroleum pipelines beneath Cerritos Avenue and data from the nearby Chevron No. 202685 case (located at the northwest corner of Los Alamitos Boulevard and Cerritos Avenue). Findings from the SWRCB off-site source investigation were still forthcoming. In the first quarter 2019, chemical concentrations at the respective sites were adequately delineated by gasoline station site monitoring wells and migration of contaminants across the two sites did not appear to be occurring. Arcadis recommended continued quarterly monitoring to further evaluate groundwater quality and concentration trends. Based on the information above, along with the findings presented in the previous PEA report issued for the Los Alamitos High School campus (please refer to State/Tribal Sites listing above), this gasoline station site is considered an REC in connection with the subject property.

A copy of the Arcadis report is included in the appendix.

Based on the relative distance, regulatory status, and/or inferred direction of groundwater flow, the remaining listed sites are not expected to represent a significant environmental concern.

State/Tribal Underground Storage Tank/Aboveground Storage Tank List (UST/AST)

The California Regional Water Quality Control Board compiles a list of underground storage tank (UST) and aboveground storage tank (AST) locations.

No UST or AST facilities are listed on the subject property or on the adjacent properties.

State/Tribal VCP Sites

The California Department of Toxic Substances Control compiles a list of Voluntary Cleanup Program (VCP) sites. This list contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

No State/Tribal VCP sites were found within one-half mile of the subject property.

State/Tribal Brownfields Sites

The California Department of Toxic Substances Control has developed an electronic database system with information about sites that are known to be contaminated with hazardous substances as well as information on uncharacterized properties where further studies may reveal problems. The Site Mitigation and Brownfields Reuse Program Database (SMBRPD), also known as CalSites, is used primarily by DTSC's staff as an informational tool to evaluate and track activities at properties that may have been affected by the release of hazardous substances.

No State/Tribal Brownfields sites were found within one-half mile of the subject property.

SLIC Sites

The Spills, Leaks, Investigations and Cleanup (SLIC) program, managed by the California Regional Water Quality Control Board, is designed to protect and restore water quality from spills, leaks and similar discharges. This list includes sites that have recorded spills, leaks, investigations, and cleanups.

A total of three SLIC sites were listed within one-half mile of the subject property. However, based on the relative distance, regulatory status, and/or inferred direction of groundwater flow, the listed sites are not expected to represent a significant environmental concern.

DRYCLEANERS Sites

The California EPA maintains a list of registered dry cleaning facilities.

No DRYCLEANERS sites are listed within one-fourth mile of the subject property.

AIR-DIST Sites

This database contains air permitted facilities as reported by various Air Quality and Air Pollution Control Districts in California.

The Los Alamitos High School campus, which includes the subject property, is listed as an AIR-DIST site and is discussed below:

- Los Alamitos Unified School District, at 3591 West Cerritos Avenue, is the high school campus which includes the subject property. According to the environmental database report, the high school campus has an active facility status. According to the South Coast Air Quality Management District (SCAQMD) Facility Information Detail (FINDS) database, the high school campus is equipped with a natural gas emergency power generator. Based on the current regulatory status, the natural gas emergency power generator is not expected to represent a significant environmental concern to the subject property.

CERS Sites

The California Environmental Reporting System (CERS) is a statewide web-based system to support California Unified Program Agencies (CUPAs) and Participating Agencies (PAs) in electronically collecting and reporting various hazardous materials-related data as mandated by the California Health and Safety Code and new 2008 legislation (AB 2286). Under oversight by Cal/EPA, CUPAs implement Unified Program mandates that streamline and provide consistent regulatory activities.

The Los Alamitos High School campus, which includes the subject property, is listed as a CERS site and is discussed below:

- Los Alamitos High School, at 3591 West Cerritos Avenue, is the high school campus which includes the subject property. According to the environmental database report, the subject property is not listed as a Small Quantity Generator Facility. Based on the current regulatory status, this listing is not indicative of a potential environmental concern to the subject property.

CRSP Sites

The CRSP portal is a website that combines data about environmentally regulated sites and facilities in California into a single, searchable database and interactive map.

The subject property is listed as a CRSP site and is discussed below:

- Los Alamitos High School, at 3591 West Cerritos Avenue, is the high school campus which includes the subject property. According to the environmental database report, no violations are reported for the subject property. Based on the current regulatory status, this listing is not indicative of a potential environmental concern to the subject property.

NPDES Sites

The National Pollutant Discharge Elimination System (NPDES) permit program controls water pollution by regulating point sources that discharge pollutants into waters of the United States. This database contains a listing of permit holders.

The subject property is listed as an NPDES site and is discussed below:

- Los Alamitos High School, at 3591 West Cerritos Avenue, is the high school campus which includes the subject property. According to the environmental database report, the NPDES listing was for development of a new two-story classroom building in 2004/2005. Based on the current regulatory status, this listing is not indicative of a potential environmental concern to the subject property.

Unmappable Listings

No unmappable listings are identified in the environmental database report.

5.2.2 Local Regulatory Review

5.2.2.1 Fire Department

The subject property is under the jurisdiction of the Orange County Fire Authority (OCFA). The Phase One Group requested records from the OCFA on June 3, 2019 for the subject property. These records may contain evidence indicating current and/or historical hazardous materials usage, storage or releases, as well as the presence of USTs.

As of the date of this report, The Phase One Group has not received a response from the OCFA for inclusion in this report.

5.2.2.2 Health Department

The Phase One Group requested records from the Orange County Health Care Agency (OCHCA) on June 3, 2019 for the subject property. These records may contain evidence indicating current and/or historical hazardous materials usage, storage or releases, as well as the presence of USTs.

As of the date of this report, The Phase One Group has not received a response from the OCHCA for inclusion in this report.

5.2.2.3 Air Quality Management District

The Phase One Group researched the South Coast Air Quality Management District (SCAQMD) Facility Information Detail (FINDS) database for information regarding any Permits to Operate (PTO), Notices of Violation (NOV), or Notices to Comply (NTC) records for the subject property related to air emission equipment, which may include dry cleaning machines and underground storage tanks.

According to the SCAQMD, one PTO was issued to Los Alamitos Unified School District on September 1, 1993 for a natural gas emergency power generator. No NOVs, NTCs or the presence of AULs were on file for the subject property with the AQMD.

5.2.2.4 California Regional Water Quality Control Board

The Phase One Group researched the California Regional Water Quality Control Board (CRWQCB) online database (GeoTracker) on June 3, 2019 for information regarding any releases to the subsurface which may have impacted or threatened a body of water.

No records regarding a release or the presence of AULs on the subject property were on-file with the CRWQCB.

One nearby site, Unocal #4727, at 3501 Cerritos Avenue, is located approximately 131 feet west-southwest of the subject property. This gasoline station site is currently a vacant, graded lot. According to environmental documentation posted on the State Water Resources Control Board, GeoTracker website (http://geotracker.swrcb.ca.gov), the cleanup status is reported as "open – site assessment as of June 7, 2010" under Case No. 083002155T. According to the most recent Quarterly Status Report, First Quarter 2019, Chevron Site No. 306600 (Former Unocal No. 4727), 3501 Cerritos Avenue, Los Alamitos, California, prepared by Arcadis, prepared for the Orange County Health Care Agency, Blaine Tech Services, Inc. (BTS) conducted quarterly groundwater monitoring activities on February 4 and 5, 2019. A total of 31 groundwater monitoring wells (MW-1, MW-2, MW-5, MW-6, MW-7, MW-13 through MW20, MW-14D though MW-18D, MW-21S, MW-21D, MW-22, MW-23S, MW-23M, MW-23D, MW-24S, MW24M, MW-24D, RMC-5, RMC-6, RMC-7, VEW-1) were reportedly gauged and sampled by BTS representatives. Groundwater samples were submitted to Eurofins/Calscience, a California-certified laboratory under standard chain-of-custody protocols. According to Arcadis, the estimated groundwater flow directions and hydraulic gradients in the shallow and deep zones were generally consistent with previous monitoring events (south and southeast). The groundwater analytical results were also reportedly generally consistent with previous events except for groundwater monitoring wells MW-11, MW-16, MW-16D, MW-19 and MW-20. The highest TPH-g and benzene, toluene, ethylbenzene, and xylenes (BTEX) concentrations continue to be detected in groundwater monitoring wells MW-14, MW-19, and MW-20 which were in/near the area of former underground storage tanks (USTs). Only low concentrations of petroleum hydrocarbons were detected in the deep zone, with concentrations below Low-Threat Closure Policy (LTCP) criteria; however, groundwater monitoring well MW-16D, located over 300 feet west of the subject property, did show increased concentrations of TPH-g, TPH-Jet A, and benzene. Detected chemical concentrations during the first quarter 2019 sampling event continued to be below site historical maximum concentrations except for TPH-Jet A, which was detected highest in

groundwater monitoring well MW-20 (5,700 micrograms per liter [ug/L]). Sampling for TPH-Jet A began in second quarter 2018 and groundwater monitoring wells MW-2, MW-14D, MW-16D, MW-20, MW-21S, MW-24S, RMC-7 and VEW-1 all exhibited increased concentrations for TPHJet A during the first quarter 2019 monitoring event. TPH-g concentrations also increased in groundwater monitoring wells MW-14, MW14D, MW-16D, MW-18D, MW-19, MW-24S, RMC-5, RMC-6 and RMC-7. TPH-d also increased in groundwater monitoring wells MW-2, MW-16D, MW-19, VEW-1, MW-24M and MW-24D. During first quarter 2019, the duplicate sample collected from groundwater monitoring well MW-14 showed significant difference in TPH-g and TPH-d w/Si gel concentrations from the parent sample. Monitoring well MW-19 showed a significant increase in TPH-g concentration (43,000 ug/L) for the first quarter 2019 event, this had been a previous trend observed for this monitoring well. Groundwater monitoring well MW-16 showed a historical minimum concentration for TPH-g, TPH-d, TPH-Jet A and BTEX. Groundwater monitoring well MW-16D showed an increase in concentration for TPH-g, TPH-d, TPH-Jet A, BTEX and TBA. MW-20 showed an increase in concentration of TPH-Jet A, Benzene, Toluene and TBA. TPH-d and TPH-Jet A data for the gasoline station site was routinely reported by Eurofins/Calscience as inconsistent with the reference fuel standard. In the Orange County Health Care Agency (OCHCA) letter dated September 7, 2018 (OCHCA 2018), TPH with carbon chain identification analysis was recommended to be run on groundwater samples; and was performed for the current event. Based on the results from the carbon chain analysis, most of the reported TPH was from C4-C14. TPH-g is typically associated with C4-C12, TPH-Jet A is typically associated with C7-C17, and TPH-d is typically associated with C10-C28. Based on a review of the first quarter 2019 carbon chain data, results appear to indicate weathered gasoline; however, there are carbon chain detections above the typical gasoline standard. Arcadis recommended continued monitoring of TPH with carbon chain identification to further substantiate TPH ranges at the gasoline station site. Furthermore, between fourth quarter 2017 and first quarter 2018 the laboratory was changed from Eurofins Lancaster to Eurofins/Calscience. In fourth quarter 2017 (and presumably earlier) TPH-d was reported as C13-C22. In first quarter 2018 to present, TPH-d was reported as C6-C28. The increase in TPH-d concentrations subsequent to 4Q17 were likely caused by a switch in laboratories performing analyses with a corresponding change in the reported carbon range for TPH-d. Based on the second round of sampling at the recently installed triple-nested groundwater monitoring wells MW-23 and MW-24, the extent of benzene in groundwater appears to be adequately delineated to the north/northeast of the gasoline station site. Arcadis recommended that groundwater monitoring wells MW-23 and MW-24 be sampled quarterly for at least one year to further evaluate data trends and confirm adequate delineation. In a meeting between OCHCA, CEMC, and Arcadis on November 15, 2018, it was discussed that the State Water Resources Control Board (SWRCB) was investigating potential off-site sources of petroleum hydrocarbons at cases in the immediate gasoline station site area due to the presence of numerous petroleum pipelines beneath Cerritos Avenue and data from the nearby Chevron No. 202685 case (located at the northwest corner of Los Alamitos

Boulevard and Cerritos Avenue). Findings from the SWRCB off-site source investigation were still forthcoming. In the first quarter 2019, chemical concentrations at the respective sites were adequately delineated by gasoline station site monitoring wells and migration of contaminants across the two sites did not appear to be occurring. Arcadis recommended continued quarterly monitoring to further evaluate groundwater quality and concentration trends. Based on the information above, along with the findings presented in the previous PEA report issued for the Los Alamitos High School campus (please refer to State/Tribal Sites listing above), this gasoline station site is considered an REC in connection with the subject property.

A copy of the Arcadis report is included in the appendix.

5.2.2.5 Department of Toxic Substances Control

The Phase One Group researched the Department of Toxic Substances Control (DTSC) online database (EnviroStor) on June 3, 2019 for the subject property. These records may contain evidence indicating current and/or historical hazardous materials usage, storage or releases.

According to the EnviroStor website, Los Alamitos High School, which includes the subject property, is listed as an EnviroStor site and is discussed below:

Los Alamitos High School, at 3591 West Cerritos Avenue, is the school campus which the subject property building is part of. In order to obtain additional information regarding the ENVIROSTOR listing for the school campus, The Phase One Group researched the EnviroStor website https://www.envirostor.dtsc.ca.gov. A report entitled "Report of Preliminary Endangerment Assessment (PEA), Los Alamitos High School, 3951 Cerritos Avenue, Los Alamitos, California 90720, prepared for The Department of Toxic Substances Control (DTSC), prepared by EDR-Associates LLC, dated March 2005 was reviewed. According to the PEA, in 2004, an expansion project was underway on the western portion of the Los Alamitos High School Campus. The expansion project included the areas encompassing Building 700 and Building 750, located approximately 125 feet northwest of the subject property. The PEA site evaluation only included the expansion project area of the high school campus and did not include the subject property. According to the PEA, in August 2004, construction workers at the Los Alamitos High School expansion project noticed a gasoline-like odor during the installation of an elevator piston shaft. Although an underground storage tank (UST) had never been located on the high school campus property, a demolished gasoline station was located on the adjacent property to the southwest. Remedial activities addressing both soil and groundwater were in progress at this location. The possibility of petroleum fuel contaminants at the high school campus led the Los Alamitos School District (the District) to request guidance from the Department of Toxic Substances Control (DTSC) School Site Evaluation Unit. The DTSC required a Preliminary Endangerment Assessment (PEA) at the high school campus to evaluate the existence of petroleum fuel

and other contaminants at the high school campus, and (if such contaminants exist) to evaluate the health risk that they might pose. EDFA was retained by the District to conduct the PEA. This work was conducted, in general accordance with the guidelines of the California Environmental Protection Agency (Cal/EPA), DTSC, PEA Guidance Manual (January 1994, second printing June 1999). The PEA site evaluation included the collection of soil vapor samples from nine locations, groundwater samples from three locations, soil samples for pesticide analyses from eight locations, soil sample analyses from four locations and soil samples for background metal analyses from four off-site locations. The soil vapor samples, groundwater samples and soil samples were all collected in the expansion area. The four background soil samples were all collected on the northern portion of the high school campus. None of the soil samples were collected in the subject property area. Results from these analyses are summarized below:

- Soil vapor analyses by EPA Method 8260B- non-detect for all samples;
- Duplicate vapor analyses by EPA Method 8260B and modified EPA Method 8015 – non-detect for this sample;
- Groundwater analyses by EPA Method 8260B – non-detect for all samples;
- Duplicate groundwater analyses (2) by EPA Method 8260B – non-detect for all samples;
- Soil analyses for organochlorine pesticides by EPA Method 80801A - no detections above preliminary remediation goals for residential soils;
- Duplicate soil analyses (2) for organochlorine pesticides by EPA Method 80801A - no detections above preliminary remediation goals for residential soils;
- Soil analyses for metals by EPA Method 7000 - metal concentrations of potential regulatory concern were not detected in any soil sample (including the background samples); and
- Duplicate soil analyses (2) for metals by EPA Method 7000 - Metal concentrations of potential regulatory concern were not detected in any soil sample (including the background samples).

Based on these data, a Health Risk Screening Assessment was not required, and EDFA concluded that the probability of contracting cancer and/or experiencing non-carcinogenic adverse health effects when exposed to any residual chemicals remaining at the high school campus was negligible. Therefore, it was recommended that the high school campus be granted a full closure with no further action required.

A copy of the PEA report is included in the appendix.

5.2.2.6 Assessor's Office

The Phase One Group visited the Orange County Assessor for information on the subject property. According to the Orange County Assessor, the current subject property owner is identified as Los Alamitos Unified School District, who has owned the subject property since 1985. The subject property is situated on two parcels of land identified by the Orange County Assessor as Assessor's Parcel Number (APN) 242-262-02 and 242-262-07.

A copy of the reviewed records is included in the appendix.

6.0 RECONNAISSANCE AND INTERVIEWS

The subject property was inspected by Mark E. Smith, Environmental Professional, a representative of The Phase One Group, on June 3, 2019. The weather at the time of the site visit was overcast and approximately 70 degrees Fahrenheit. Mr. Garrett Miller, Construction Manager, Rachlin Partners, was interviewed and provided property specific information.

6.1 PROPERTY CHARACTERISTICS

6.1.1 Topography

The United States Geological Survey (USGS), Los Alamitos, California Quadrangle 7.5 minute series topographic map was reviewed for this ESA. This map was published by the Geological Survey in 1981. According to the contour lines on the topographic map, the subject property is located approximately 26 feet above Mean Sea Level (msl). The contour lines in the area of the subject property slopes gently to the west. The subject property is depicted on the map as developed with the existing subject property building.

6.1.2 Potable Water Supply

According to available information, a public water system operated by Golden State Water serves the subject property vicinity. According to a representative of Golden State Water, shallow groundwater directly beneath the subject property is not utilized for domestic purposes. The source of public water for Golden State Water is a blend of groundwater pumped from the Orange County Groundwater Basin and imported water from the Colorado River Aqueduct and the State Water Project. According to the Golden State Water, 2019 Consumer Confidence Report on Water Quality for 2018, water supplied to the subject property is in compliance with all State and Federal regulations pertaining to drinking water standards, including lead and copper. Water sampling was not conducted to verify water quality.

6.1.3 Solid Waste Disposal

Solid waste on the subject property is collected in trash disposal bins located at the Los Alamitos High School campus. The solid waste is collected once a week by Republic Services. No indication of potentially hazardous material disposal was noted during the reconnaissance.

6.1.4 Sewage Discharge and Disposal

The subject property area is serviced by Rossmoor/Los Alamitos Sewer District. No evidence of on-site septic tanks or septic systems was noted.

6.1.5 Surface Water Drainage

Surface water drainage from the subject property is via sheet flow throughout the subject property and directed to curb and gutter systems along the surrounding streets and alleyway.

6.1.6 Source of Heating and Cooling

The subject property building is heated and cooled by roof-mounted HVAC units. Southern California Edison (SCE) provides electricity to the subject property and Southern California Gas Company provides natural gas to the subject property. Hot water is provided by an individual natural gas hot water heater.

6.1.7 Wells and Cisterns

No evidence of wells or cisterns was observed on the subject property.

6.1.8 Current Occupants

At the time of The Phase One Group's site visit, the subject property building was unoccupied. No evidence of the use of reportable quantities of hazardous materials and petroleum products or the generation of hazardous waste was observed on the subject property during the site visit.

6.2 POTENTIAL ENVIRONMENTAL HAZARDS

6.2.1 Hazardous Materials and Petroleum Products

The on-site reconnaissance addressed hazardous materials and petroleum products utilized on the subject property. Typical household cleaning chemicals used for general maintenance purposes were observed stored on-site. No evidence of the use of reportable quantities of hazardous materials and petroleum products or the generation of hazardous waste was observed on the subject property during the site visit.

6.2.2 Labeled Drums and Containers

The on-site reconnaissance addressed labeled drums and containers located on the subject property. No evidence of drums and containers of hazardous materials or hazardous waste were observed at the subject property.

6.2.3 Unlabeled Containers and Drums

The on-site reconnaissance addressed unlabeled containers located on the subject property. No evidence of unlabeled containers or drums was observed at the subject property.

6.2.4 Disposal Locations

No evidence of hazardous waste disposal locations was observed or reported at the subject property.

6.2.5 Evidence of Releases

No evidence of a release or spill was observed at the subject property.

6.2.6 Stressed Vegetation/Stained Soils

No evidence of stressed vegetation or stained soils was observed at the subject property.

6.2.7 Strong, Pungent or Noxious Odors

No evidence of strong, pungent or noxious odors was identified at the subject property.

6.2.8 Polychlorinated Biphenyl's (PCBs)

Older transformers and other electrical equipment could contain PCBs at a level that subjects them to regulation by the U.S. EPA. PCBs in electrical equipment are controlled by United States Environmental Protection Agency regulations 40 CFR, Part 761. Under the regulations, there are three categories into which electrical equipment can be classified: 1) Less than 50 parts per million (ppm) of PCBs – "Non-PCB;" 2) 50 ppm-500 ppm – "PCB-Contaminated;" and, 3) Greater than 500 ppm – "PCB-Containing." The manufacture, process, or distribution in commerce or use of any PCB in any manner other than in a totally enclosed manner was prohibited after January 1, 1977.

The on-site reconnaissance addressed indoor and outdoor transformers that may contain PCBs. No evidence of on-site transformers was observed at the subject property.

No additional potential PCB-containing equipment (oil-filled switches, hoists, lifts, dock levelers, hydraulic elevators, etc.) was observed on the subject property.

6.2.9 Sumps, Drywells, Catchbasins or Clarifiers

No evidence of sumps, drywells, catchbasins or clarifiers was found on the subject property.

6.2.10 Pits, Ponds or Lagoons

No evidence of pits, ponds or lagoons was observed at the subject property.

6.2.11 Groundwater Wells

No evidence of groundwater wells was observed or reported at the subject property.

6.2.12 Oil Wells/Pipelines

No evidence of oil wells or pipelines was observed or reported at the subject property.

6.2.13 Imported Fill

No information related to the use of imported fill material was identified in records for the subject property.

6.2.14 On-Site ASTs and USTs

No evidence of aboveground storage tanks (ASTs) or underground storage tanks (USTs) was identified on-site during the site visit.

6.2.15 Radiological Hazards

No evidence of radiological substances or equipment was stored on the subject property.

6.2.16 Additional Hazard Observations

No additional hazards were observed on the subject property.

6.2.17 Asbestos

Asbestos is the name given to a number of naturally occurring, fibrous silicate minerals mined for their useful properties such as thermal insulation, chemical and thermal stability, and high tensile strength. The Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 requires certain construction materials to be presumed to contain asbestos, for purposes of this regulation. All thermal system insulation (TSI), surfacing material, and asphalt/vinyl flooring that are present in a building constructed prior to 1981 and have not been appropriately tested are "presumed asbestos-containing material" (PACM).

The subject property building was reportedly built in 1968. The Phase One Group has conducted a limited, visual evaluation of accessible areas for the presence of suspect asbestos-containing materials (ACMs) at the subject property. The objective of this visual survey was to note the presence and condition of suspect ACMs observed. Suspect ACMs observed at the subject property buildings included wallboard/drywall, vinyl floor tile and suspended ceiling time. The suspect ACMs observed appeared to be in undamaged condition.

The limited visual survey consisted of noting observable materials (materials which were readily accessible and visible during the course of the site visit) that are commonly known to potentially contain asbestos. This activity was not designed to discover all sources of suspect ACM, PACM, or asbestos at the subject property; or to comply with any regulations and/or laws relative to planned disturbance of building materials such as renovation or demolition, or any other regulatory purpose. Rather, it is intended to give the User an indication if significant (significant due to quantity, accessibility, or condition)

potential sources of ACM or PACM are present at the subject property. Additional sampling, inspection, and evaluation will be warranted for any other use.

The Phase One Group was not provided building plans or specifications for review, which may have been useful in determining areas likely to have used ACM.

According to the US EPA, ACM and PACM that is intact and in good condition can, in general, be managed safely in-place under an Operations and Maintenance (O&M) Program until removal is dictated by renovation, demolition, or deteriorating material condition. Prior to any disturbance of the construction materials within this facility, a comprehensive ACM survey is recommended.

6.2.18 Lead-Based Paint

Lead is a highly toxic metal that affects virtually every system of the body. LBP is defined as any paint, varnish, stain, or other applied coating that has 1 mg/cm2 (or 5,000 ug/g or 0.5% by weight) or more of lead. Congress passed the Residential Lead-Based Paint Hazard Reduction Act of 1992, also known as "Title X", to protect families from exposure to lead from paint, dust, and soil. Under Section 1017 of Title X, intact LBP on most walls and ceilings is not considered a "hazard," although the condition of the paint should be monitored and maintained to ensure that it does not become deteriorated. Further, Section 1018 of this law directed the Housing and Urban Development (HUD) and the US EPA to require the disclosure of known information on LBP and LBP hazards before the sale or lease of most housing built before 1978.

The subject property building was reportedly constructed in 1968. Based on the age of the subject property building (pre-1978), there is a potential that lead-based paint (LBP) is present. Interior and exterior painted surfaces were observed in undamaged condition.

Based on the construction date of the subject property building (1968), a comprehensive lead-based paint (LBP) survey of painted surfaces at the subject property is recommended prior to any renovation or demolition activities to confirm the presence or absence of LBP to prevent potential exposure to workers and/or building occupants.

6.2.19 Radon

Radon is a colorless, odorless, naturally occurring, radioactive, inert and gaseous element formed by radioactive decay of radium (Ra) atoms. The USEPA has prepared a map to assist National, State, and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three Radon Zones; Zone 1 being those areas with the average predicted indoor radon concentration in residential dwellings exceeding the US EPA Action Limit of 4.0 picoCuries per Liter (pCi/L). It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the US EPA recommends site-specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures.

Radon sampling was not conducted as part of this assessment. Review of the US EPA Map of Radon Zones places the subject property in Zone 3, where average predicted radon levels are below 2.0 pCi/L.

Based upon the radon zone classification, radon is not considered to be a significant environmental concern.

6.2.20 Water Intrusion and Mold Growth

The Phase One Group performed a limited visual inspection for the conspicuous presence of mold in the subject property building. The Phase One Group inspected the accessible interior areas of the subject property building, including walls and ceilings, common mechanical/electrical closets, areas under sinks and around windows and exterior doors for the presence of conspicuous mold or observed water intrusion or accumulation. The Phase One Group did not note conspicuous visual or olfactory indications of the presence of mold, nor did The Phase One Group observe obvious indications of significant water damage at the time of the inspection (in the areas inspected). No sampling was conducted as part of this assessment.

This activity was not designed to discover all areas, which may be affected by mold growth on the subject property. Rather, it is intended to give the client an indication as to whether or not conspicuous (based on observed areas) mold growth is present at the subject property. This evaluation did not include a review of pipe chases, HVAC systems (if present), areas behind enclosed walls, attics, crawl spaces, ceilings or other areas that were difficult to access.

6.3 INTERVIEWS

Interviews were conducted with the following individuals. Findings from these interviews are discussed in the appropriate sections in this report.

6.3.1 Property

- Mr. Garrett Miller, Construction Manager, Rachlin Partners, 310.204.3400

6.3.2 Surrounding Area

- N/A

6.3.3 Regulatory Agency Officials

- City of Los Alamitos Development Services Department, Building and Safety Division
- City of Los Alamitos Development Services Department, Planning Division
- Orange County Fire Authority (OCFA)
- Orange County Health Care Agency, Environmental Health Division

- Orange County Assessor
- Department of Toxic Substances Control (DTSC)
- California Regional Water Quality Control Board, Lahontan Region (RWQCB)
- South Coast Air Quality Management District (SCAQMD)
- State of California Department of Conservation, Division of Oil, Gas and Geothermal Resources (DOGGR), DOGGR Online Mapping System

6.4 ADDITIONAL SERVICES

No additional services were performed with this scope of work.

7.0 CONCLUSIONS AND RECOMMENDATIONS

7.1 CONCLUSIONS

The Phase One Group has performed a Phase 1 Environmental Site Assessment in conformance with the scope and limitations of ASTM Standard E1527-13 of the Los Alamitos High School property located at 3591 West Cerritos Avenue, Building 300, in Los Alamitos, Orange County, California 90720 (the "subject property"). Any exceptions to or deletions from this practice are described in Section 2.0 of this report. This assessment has revealed no evidence of recognized environmental conditions (RECs), historical recognized environmental conditions (HRECs) or controlled recognized environmental conditions (CRECs) in connection with the subject property, except for the following:

- Los Alamitos High School, at 3591 West Cerritos Avenue, is the school campus which the subject property is part of. In order to obtain additional information regarding the ENVIROSTOR listing for the school campus, The Phase One Group researched the EnviroStor website https://www.envirostor.dtsc.ca.gov. A report entitled "Report of Preliminary Endangerment Assessment (PEA), Los Alamitos High School, 3951 Cerritos Avenue, Los Alamitos, California 90720, prepared for The Department of Toxic Substances Control (DTSC), prepared by EDR-Associates LLC, dated March 2005 was reviewed. According to the PEA, in 2004, an expansion project was underway on the western portion of the Los Alamitos High School Campus. The expansion project included the areas encompassing Building 700 and Building 750, located approximately 125 feet northwest of the subject property. The PEA site evaluation only included the expansion project area of the high school campus and did not include the subject property. According to the PEA, in August 2004, construction workers at the Los Alamitos High School expansion project noticed a gasoline-like odor during the installation of an elevator piston shaft. Although an underground storage tank (UST) had never been located on the high school campus property, a demolished gasoline station was located on the adjacent property to the southwest, identified as Unocal #4727, at 3501 Cerritos Avenue, located approximately 131 feet west-southwest of the subject property (please refer to Section 5.2). Remedial activities addressing both soil and groundwater were in progress at this location. The possibility of petroleum fuel contaminants at the high school campus led the Los Alamitos School District (the District) to request guidance from the Department of Toxic Substances Control (DTSC) School Site Evaluation Unit. The DTSC required a Preliminary Endangerment Assessment (PEA) at the high school campus to evaluate the existence of petroleum fuel and other contaminants at the high school campus, and (if such contaminants exist) to evaluate the health risk that they might pose. EDFA was retained by the District to conduct the PEA. This work was conducted, in general accordance with the guidelines of the California Environmental Protection Agency (Cal/EPA), DTSC, PEA Guidance Manual (January 1994, second printing June 1999). The PEA site evaluation included the collection of soil vapor samples from nine locations, groundwater samples from three locations, soil samples for pesticide analyses from eight locations, soil sample analyses from four locations and

soil samples for background metal analyses from four off-site locations. The soil vapor samples, groundwater samples and soil samples were all collected in the expansion area. The four background soil samples were all collected on the northern portion of the high school campus. None of the soil samples were collected in the subject property area. Results from these analyses are summarized below:

- Soil vapor analyses by EPA Method 8260B- non-detect for all samples;
- Duplicate vapor analyses by EPA Method 8260B and modified EPA Method 8015 – non-detect for this sample;
- Groundwater analyses by EPA Method 8260B – non-detect for all samples;
- Duplicate groundwater analyses (2) by EPA Method 8260B – non-detect for all samples;
- Soil analyses for organochlorine pesticides by EPA Method 80801A - no detections above preliminary remediation goals for residential soils;
- Duplicate soil analyses (2) for organochlorine pesticides by EPA Method 80801A - no detections above preliminary remediation goals for residential soils;
- Soil analyses for metals by EPA Method 7000 - metal concentrations of potential regulatory concern were not detected in any soil sample (including the background samples); and
- Duplicate soil analyses (2) for metals by EPA Method 7000 - Metal concentrations of potential regulatory concern were not detected in any soil sample (including the background samples).

Based on these data, a Health Risk Screening Assessment was not required, and EDFA concluded that the probability of contracting cancer and/or experiencing non-carcinogenic adverse health effects when exposed to any residual chemicals remaining at the high school campus was negligible. Therefore, it was recommended that the high school campus be granted a full closure with no further action required. Although the PEA concluded that no further action was required at the expansion project, which did not include the subject property, the potential exists that the subject property has been adversely impacted by the former Unocal gasoline station to the west-southwest. Based on the above, the former off-site Unocal gasoline station is considered an REC in connection with the subject property.

- According to historical sources reviewed, the subject property appeared to be developed for agricultural purposes prior to the development of the existing school campus. There is a potential that agricultural related chemicals such as organochlorine pesticides, herbicides, fertilizers and arsenic may have been used and stored onsite. Based on the above, this is considered an REC in connection with the subject property.

An environmental issue refers to environmental concerns identified by The Phase One Group which do not qualify as RECs; however warrant further discussion. The following environmental issues were identified during the course of this assessment:

- The subject property building was reportedly built in 1968. The Phase One Group has conducted a limited, visual evaluation of accessible areas for the presence of suspect asbestos-containing materials (ACMs) at the subject property. The objective of this visual survey was to note the presence and condition of suspect ACMs observed. Suspect ACMs observed at the subject property buildings included wallboard/drywall, vinyl floor tile and suspended ceiling time. The suspect ACMs observed appeared to be in undamaged condition.

- The subject property building was reportedly constructed in 1968. Based on the age of the subject property building (pre-1978), there is a potential that lead-based paint (LBP) is present. Interior and exterior painted surfaces were observed in undamaged condition.

7.2 RECOMMENDATIONS

As a result of this assessment, The Phase One Group recommends the following:

- A limited subsurface investigation should be conducted at the subject property in order to determine the presence or absence of soil and/or groundwater contamination due to potential that agricultural related chemicals such as organochlorine pesticides, herbicides, fertilizers and arsenic may have been used and stored onsite, and the former off-site Unocal gasoline service station.

- Based on the construction date of the subject property building (1968), a comprehensive asbestos survey of suspect asbestos-containing material (ACM) of construction materials at the subject property is recommended prior to any renovation or demolition activities to confirm the presence or absence of asbestos to prevent potential exposure to workers and/or building occupants.

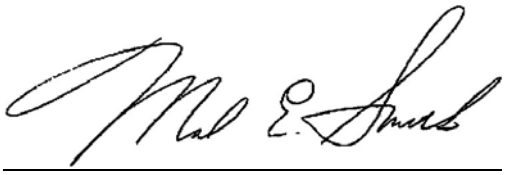
- Based on the construction date of the subject property building (1968), a comprehensive lead-based paint (LBP) survey of painted surfaces at the subject property is recommended prior to any renovation or demolition activities to confirm the presence or absence of LBP to prevent potential exposure to workers and/or building occupants.

This summary is not to be used alone. This report must be read in its entirety.

8.0 CONSULTANT INFORMATION

8.1 SIGNATURE PAGE

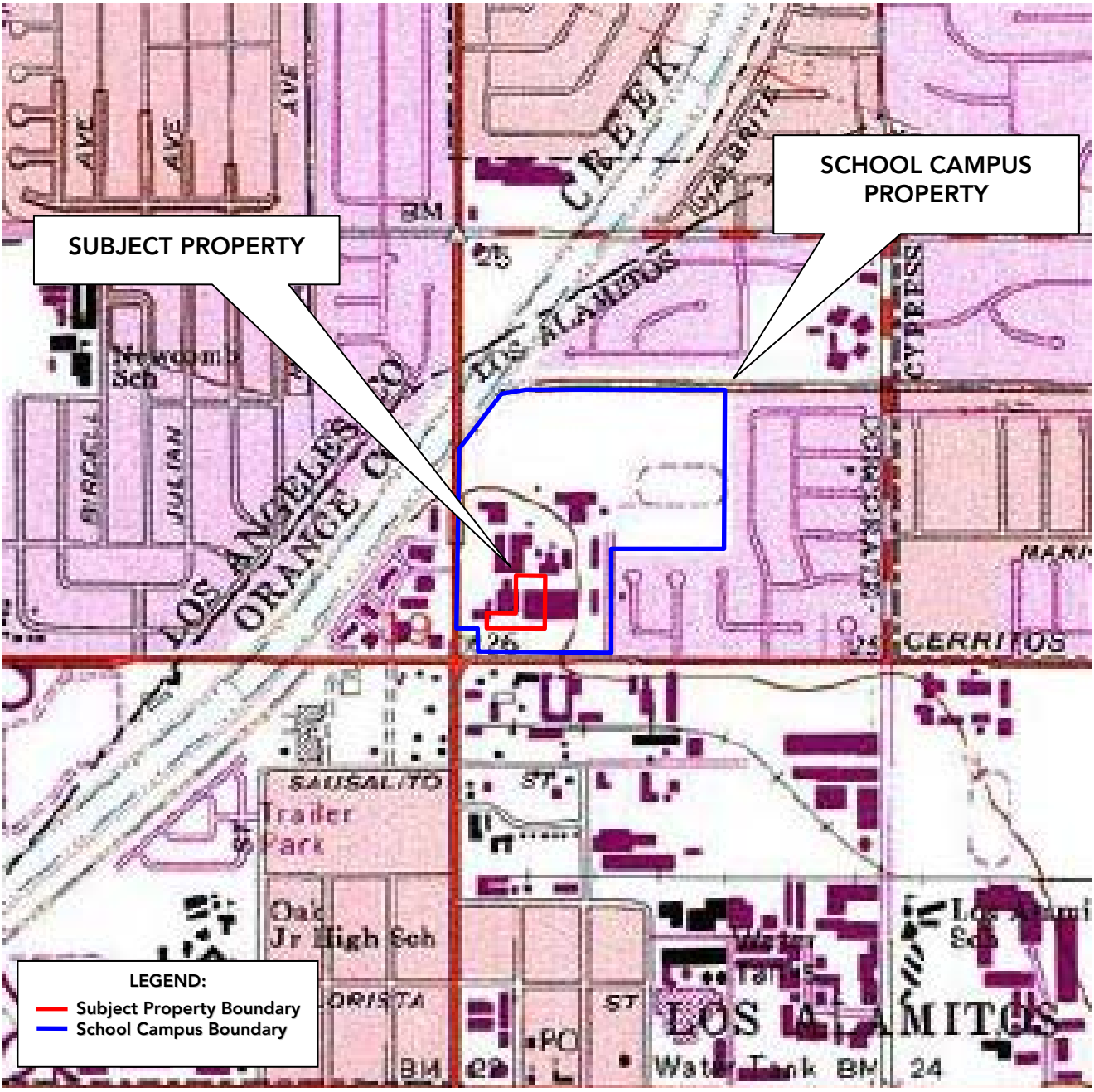
By signing below, The Phase One Group declares that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR §312. The Phase One Group has the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. The Phase One Group has developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Mark E. Smith, Environmental Professional
President
The Phase One Group LLC

FIGURES

Site Topographic Map
Site Location Map
Site Plan
2005 PEA Site Area



SITE TOPOGRAPHIC MAP

SCALE: 1" = 950'

Source: USGS 7.5 Minute Topographic Map, Los Alamitos, CA Quadrangle 1981

N↑

The Phase One Group

Site: Los Alamitos High School
3591 West Cerritos Avenue, Building 300
Los Alamitos, California 90720

Project No.: 19-018



SITE LOCATION MAP

SCALE: 1" = 715'

Source: Google Maps

N↑

The Phase One Group

Site: Los Alamitos High School
3591 West Cerritos Avenue, Building 300
Los Alamitos, California 90720

Project No.: 19-018



SITE PLAN

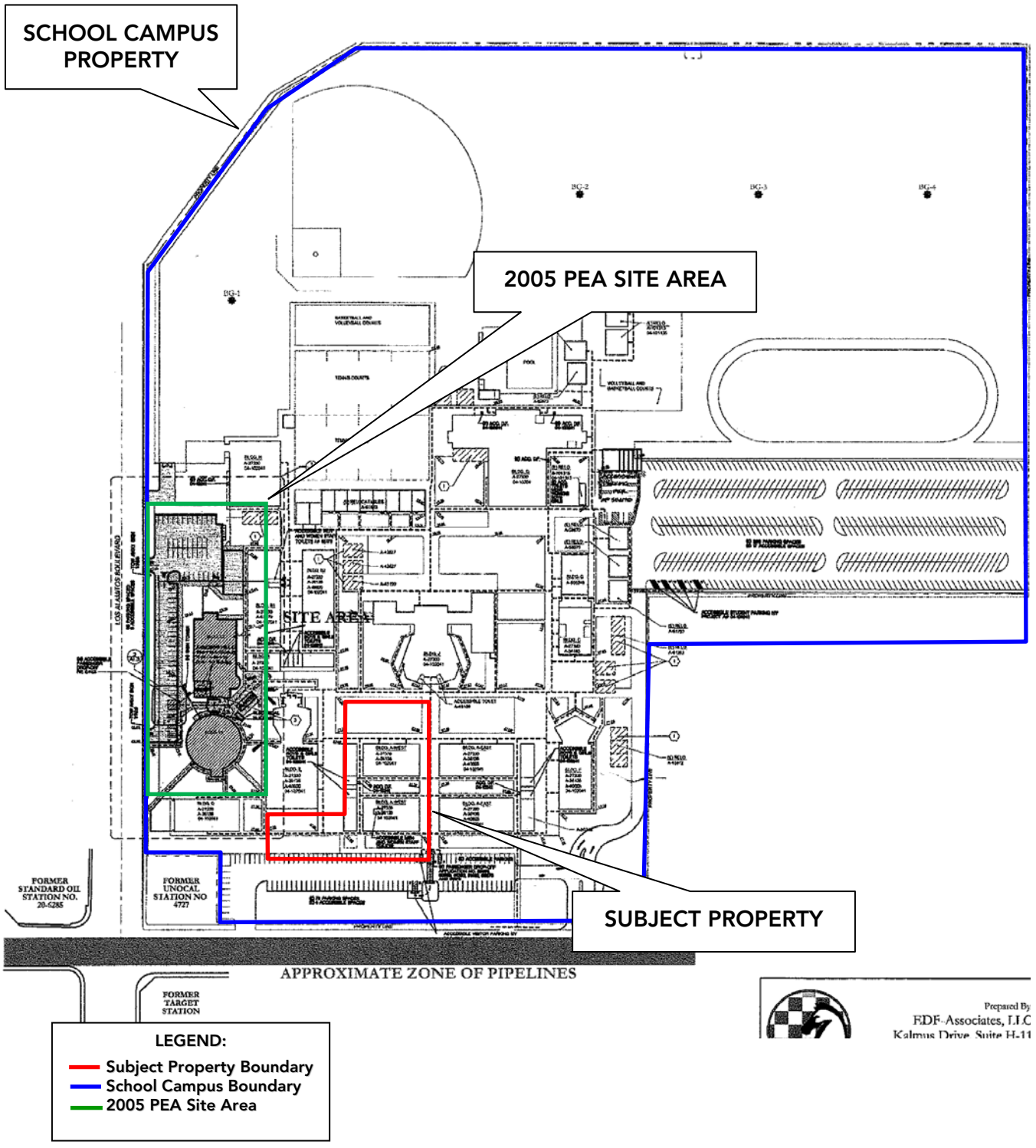
SCALE: 1" = 465'

Source: Google Earth

N↑

The Phase One Group

Site:	Los Alamitos High School 3591 West Cerritos Avenue, Building 300 Los Alamitos, California 90720
Project No.:	19-018



2005 PEA SITE AREA

SCALE: 1" = 270'

Source: EDF-Associates LLC

N↑

The Phase One Group

Site: Los Alamitos High School
3591 West Cerritos Avenue, Building 300
Los Alamitos, California 90720

Project No.: 19-018

APPENDIX A

Site Photographs



Photograph Number 1: View of south side of subject property, facing north-northwest.



Photograph Number 2: View of south side of subject property, facing north-northwest.



Photograph Number 3: View of south side of subject property, facing northeast.



Photograph Number 4: View of south side of subject property, facing north.



Photograph Number 5: View of southwest corner of subject property, facing northeast.


Photograph Number 6: View of north side of subject property, facing southwest.



Photograph Number 7: View of north side of subject property, facing south.



Photograph Number 8: View of south entrance of subject property, facing north.



Photograph Number 9: View of south entrance of subject property and east side of subject property, facing southwest.



Photograph Number 10: View of east side of subject property, facing west.



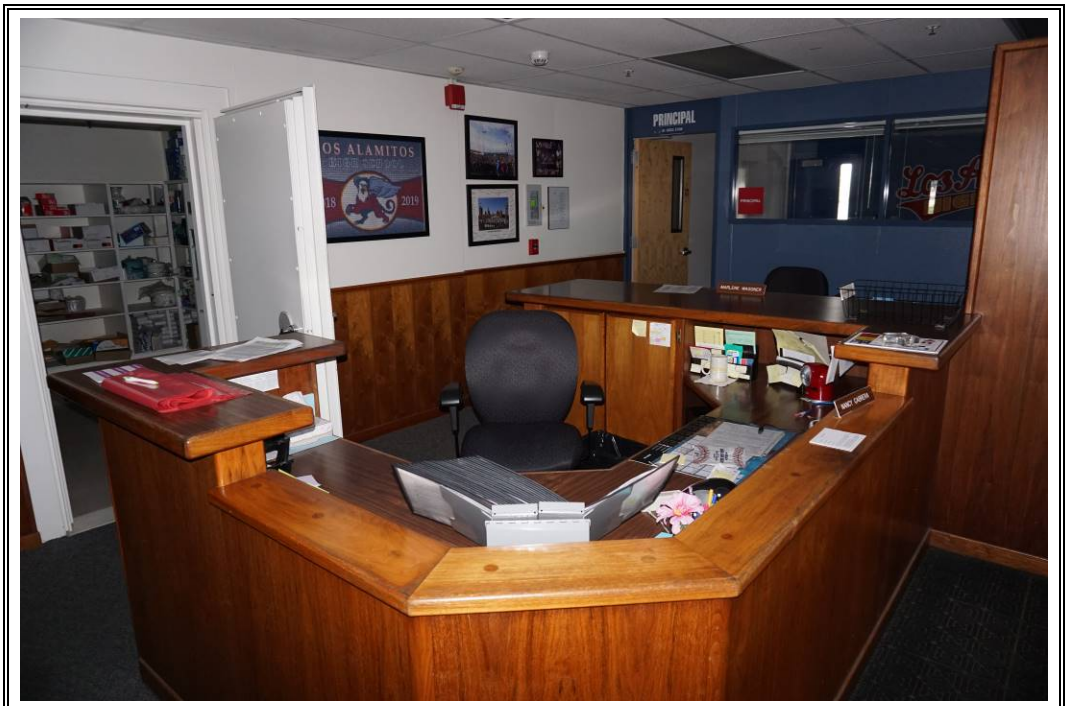
Photograph Number 11: View of east side of subject property, facing northwest.



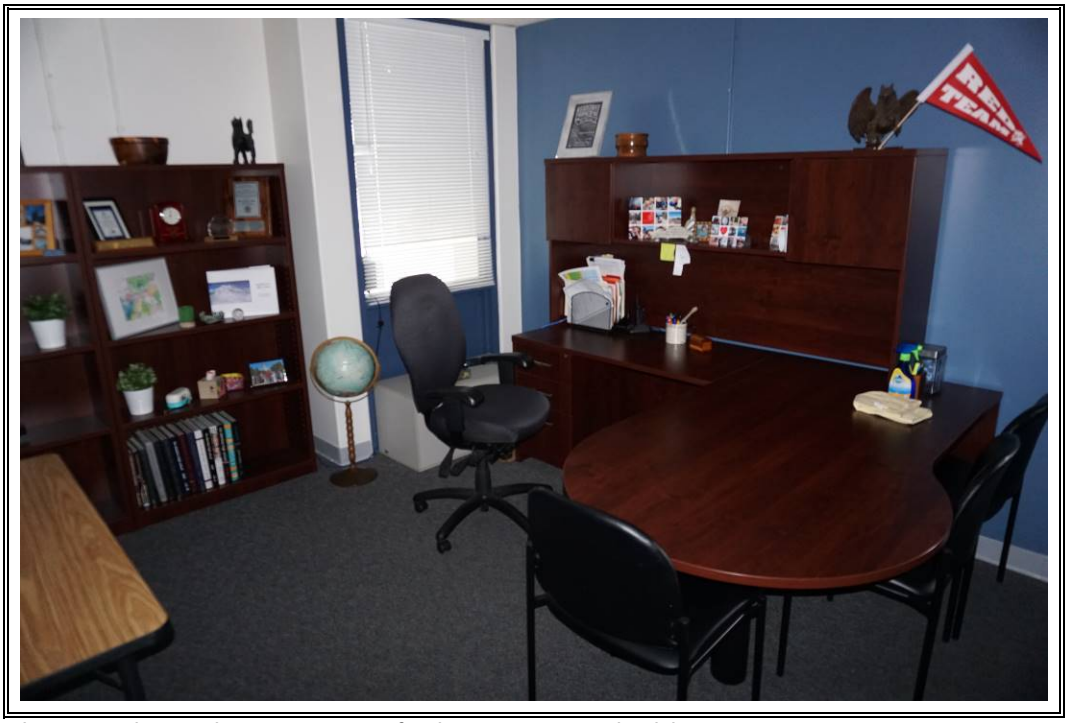
Photograph Number 12: View of subject property building interior.



Photograph Number 13: View of subject property building interior.



Photograph Number 14: View of subject property building interior.



Photograph Number 15: View of subject property building interior.



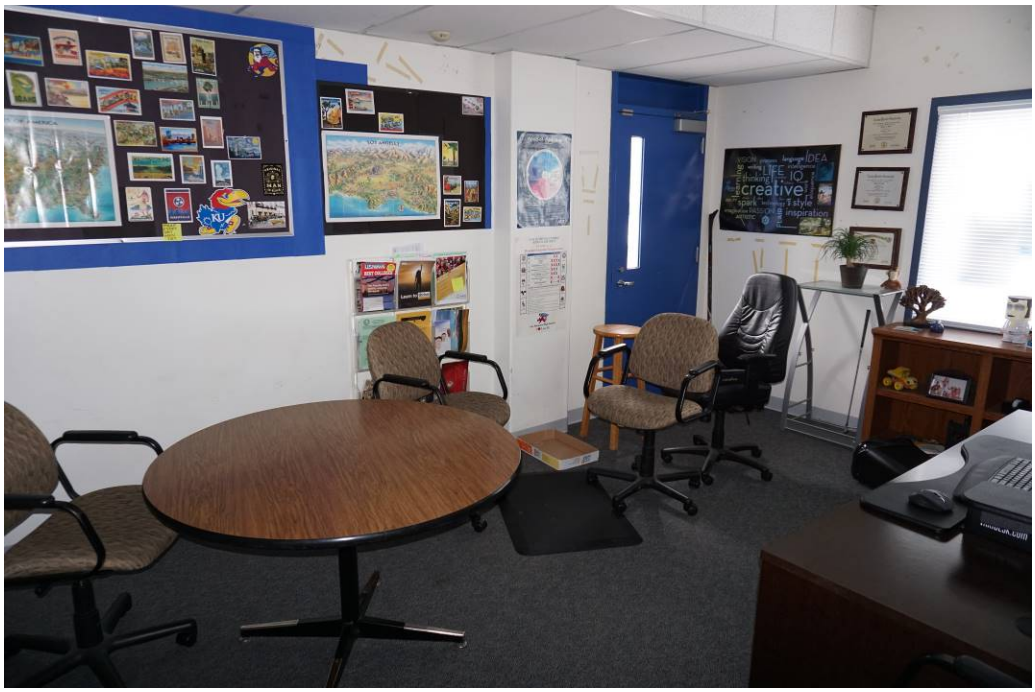
Photograph Number 16: View of subject property building interior.



Photograph Number 17: View of subject property building interior.



Photograph Number 18: View of subject property building interior.



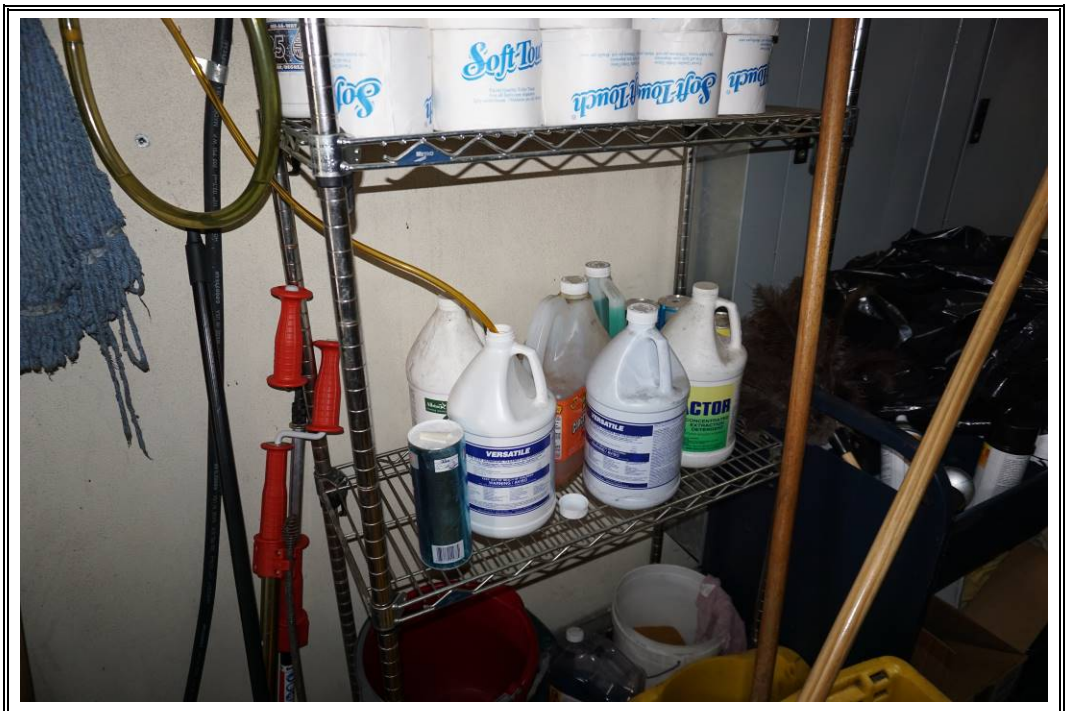
Photograph Number 19: View of subject property building interior.



Photograph Number 20: View of subject property building interior.



Photograph Number 21: View of natural gas hot water heater within subject property building.



Photograph Number 22: View of general maintenance items stored within subject property building.



Photograph Number 23: View of adjacent property to the north, facing northwest.



Photograph Number 24: View of adjacent property to the north, facing north.



Photograph Number 25: View of adjacent property to the east, facing southeast.



Photograph Number 26: View of adjacent property to the east, facing northeast.



Photograph Number 27: View of adjacent property to the south, facing west.



Photograph Number 28: View of adjacent property to the west, facing northwest.



Photograph Number 29: View of adjacent property to the west, facing southwest.



Photograph Number 30: View of adjacent property to the west, facing west.

APPENDIX B

Aerial Photographs



ENVIRONMENTAL RECORD SEARCH

Historical Aerial Photo
Year 2018

3591 West Cerritos Avenue
Los Alamitos, CA

N
W E
S

Target Site: 33.811220, -118.070105 Job #: 2104707859



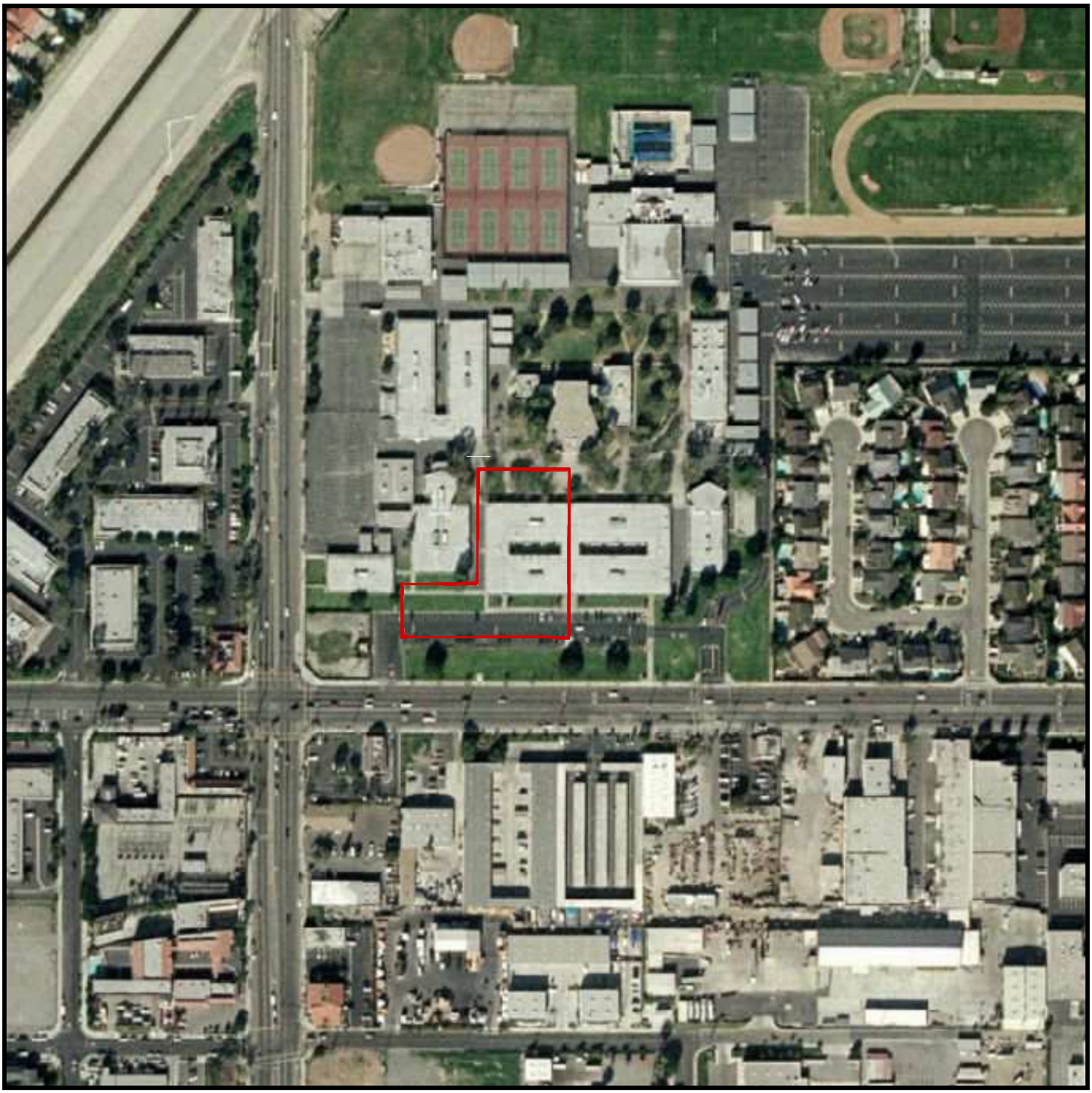
ERS
ENVIRONMENTAL RECORD SEARCH

Historical Aerial Photo
Year 2014

3591 West Cerritos Avenue
Los Alamitos, CA

N
W E
S

Target Site: 33.811220, -118.070105 Job #: 2104707859



ENVIRONMENTAL RECORD SEARCH

Historical Aerial Photo
Year 2003

3591 West Cerritos Avenue
Los Alamitos, CA

N
W E
S

Target Site: 33.811220, -118.070105 Job #: 2104707859



ENVIRONMENTAL RECORD SEARCH

Historical Aerial Photo
Year 1994

3591 West Cerritos Avenue
Los Alamitos, CA

N
W E
S

Target Site: 33.811220, -118.070105 Job #: 2104707859



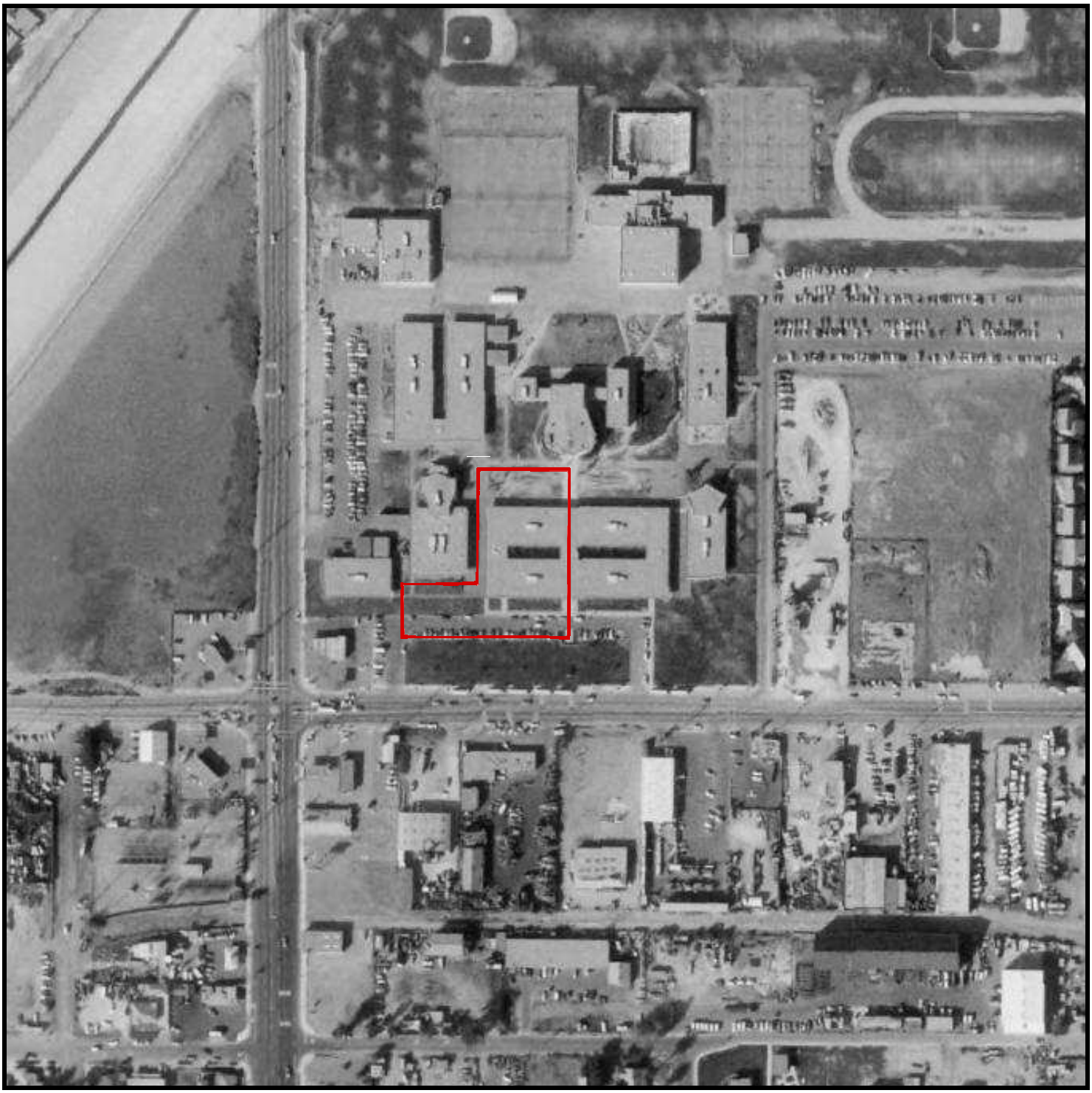
ENVIRONMENTAL RECORD SEARCH

Historical Aerial Photo
Year 1988

3591 West Cerritos Avenue
Los Alamitos, CA

N
W E
S

Target Site: 33.811220, -118.070105 Job #: 2104707859



ENVIRONMENTAL RECORD SEARCH

Historical Aerial Photo
Year 1972

3591 West Cerritos Avenue
Los Alamitos, CA

N
W E
S

Target Site: 33.811220, -118.070105 Job #: 2104707859



ENVIRONMENTAL RECORD SEARCH

Historical Aerial Photo
Year 1963

3591 West Cerritos Avenue
Los Alamitos, CA

N
W E
S

Target Site: 33.811220, -118.070105 Job #: 2104707859



ENVIRONMENTAL RECORD SEARCH

Historical Aerial Photo
Year 1952

3591 West Cerritos Avenue
Los Alamitos, CA

N
W E
S

Target Site: 33.811220, -118.070105 Job #: 2104707859

APPENDIX C

Historical Topographic Maps



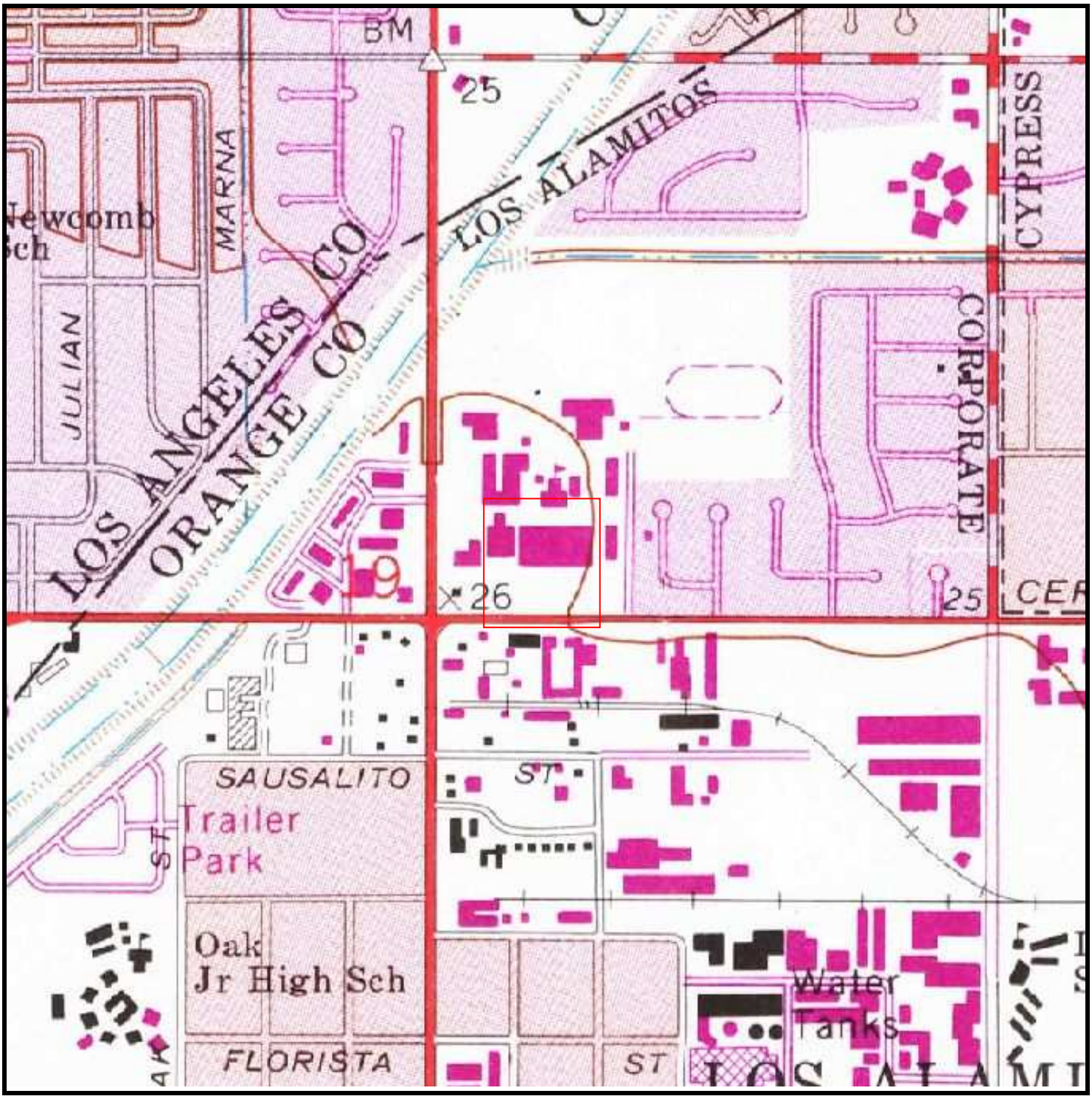
ENVIRONMENTAL RECORD SEARCH

Historical Topographic Map
Year 2015

3591 West Cerritos Avenue
Los Alamitos, CA

N
W E
S

Target Site: 33.811220, -118.070105 Job #: 2104707859



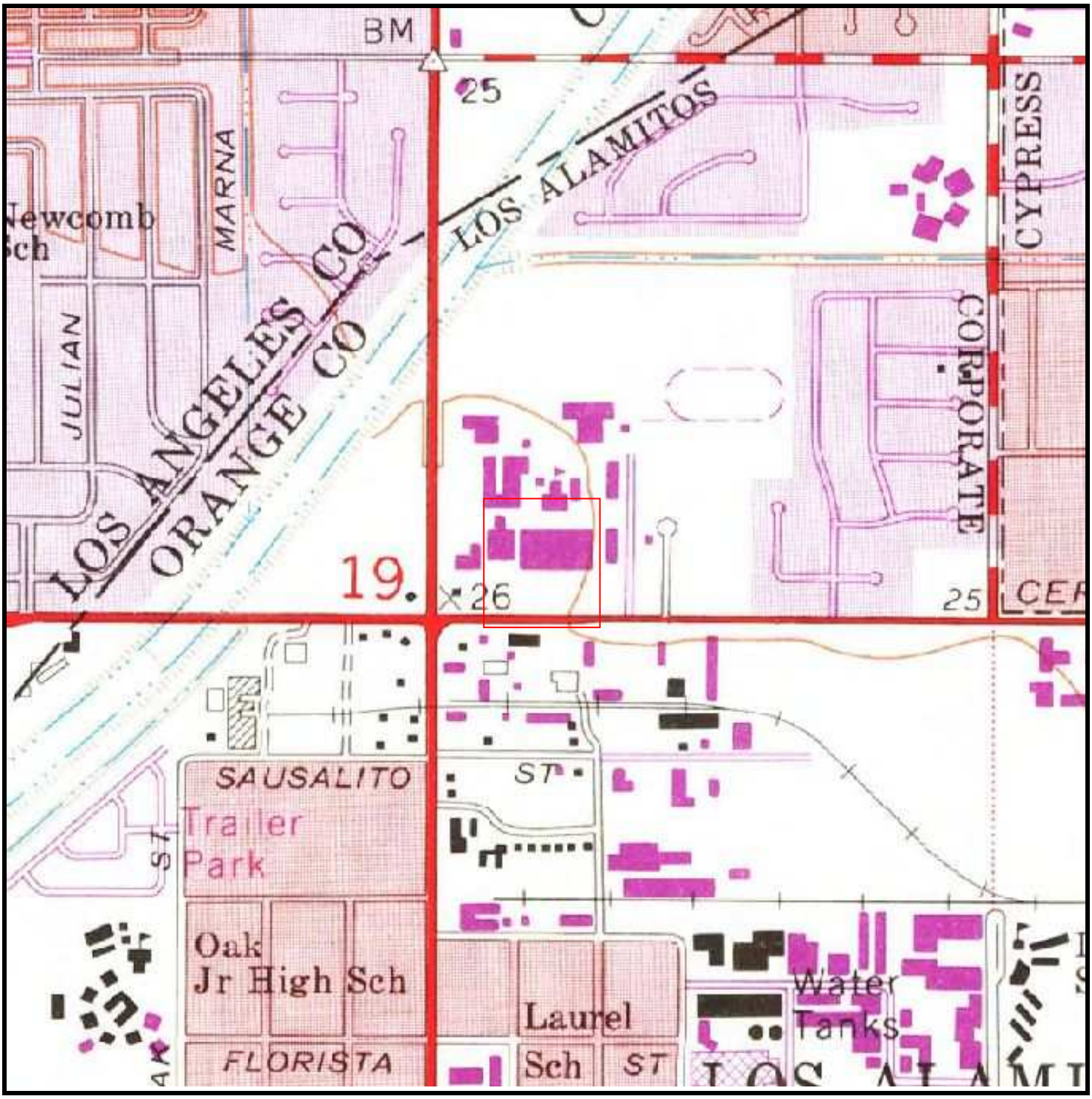
ERS
ENVIRONMENTAL RECORD SEARCH

Historical Topographic Map
Year 1982

3591 West Cerritos Avenue
Los Alamitos, CA

N
W E
S

Target Site: 33.811220, -118.070105 Job #: 2104707859



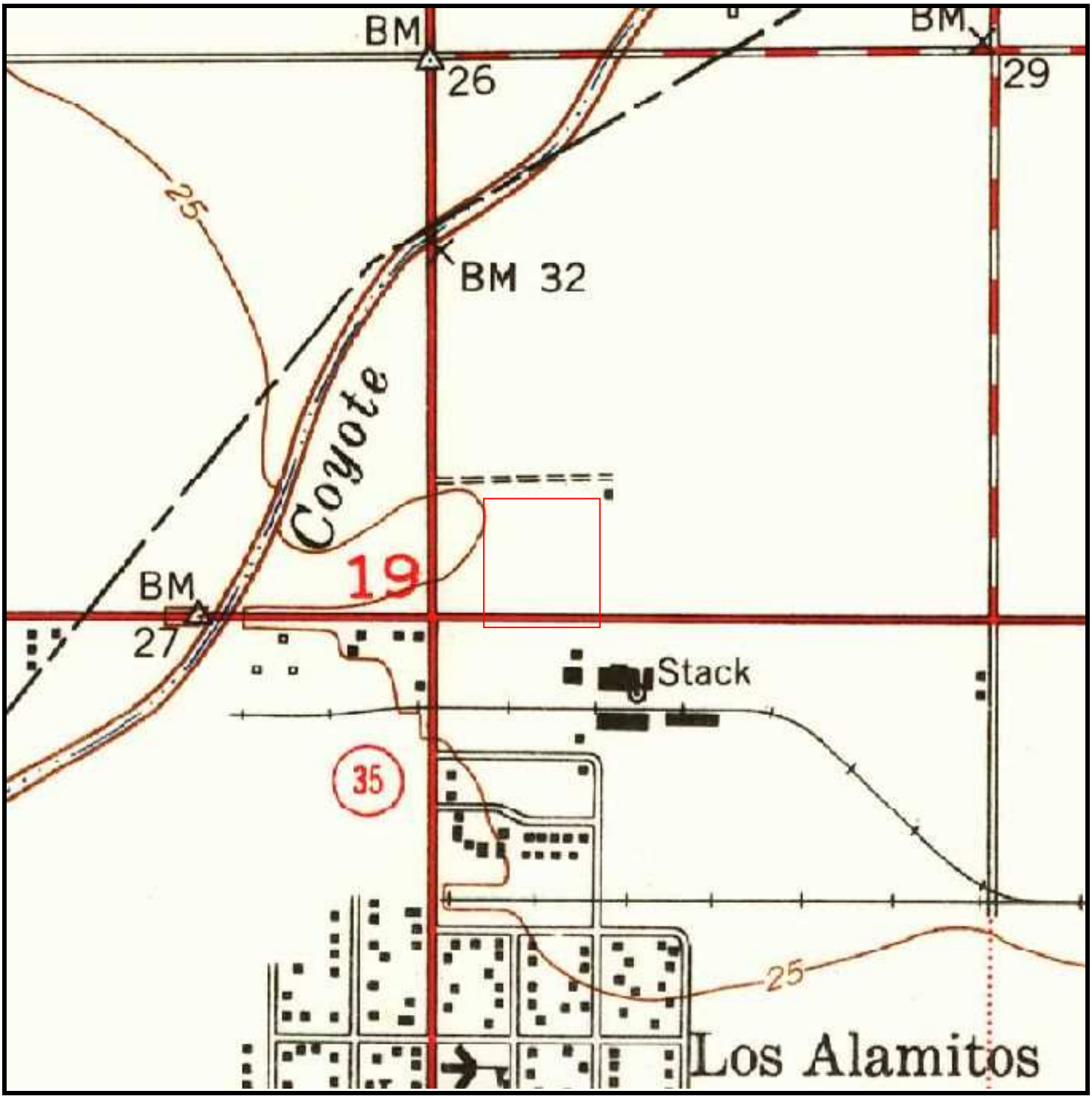
ENVIRONMENTAL RECORD SEARCH

Historical Topographic Map
Year 1975

3591 West Cerritos Avenue
Los Alamitos, CA

N
W E
S

Target Site: 33.811220, -118.070105 Job #: 2104707859



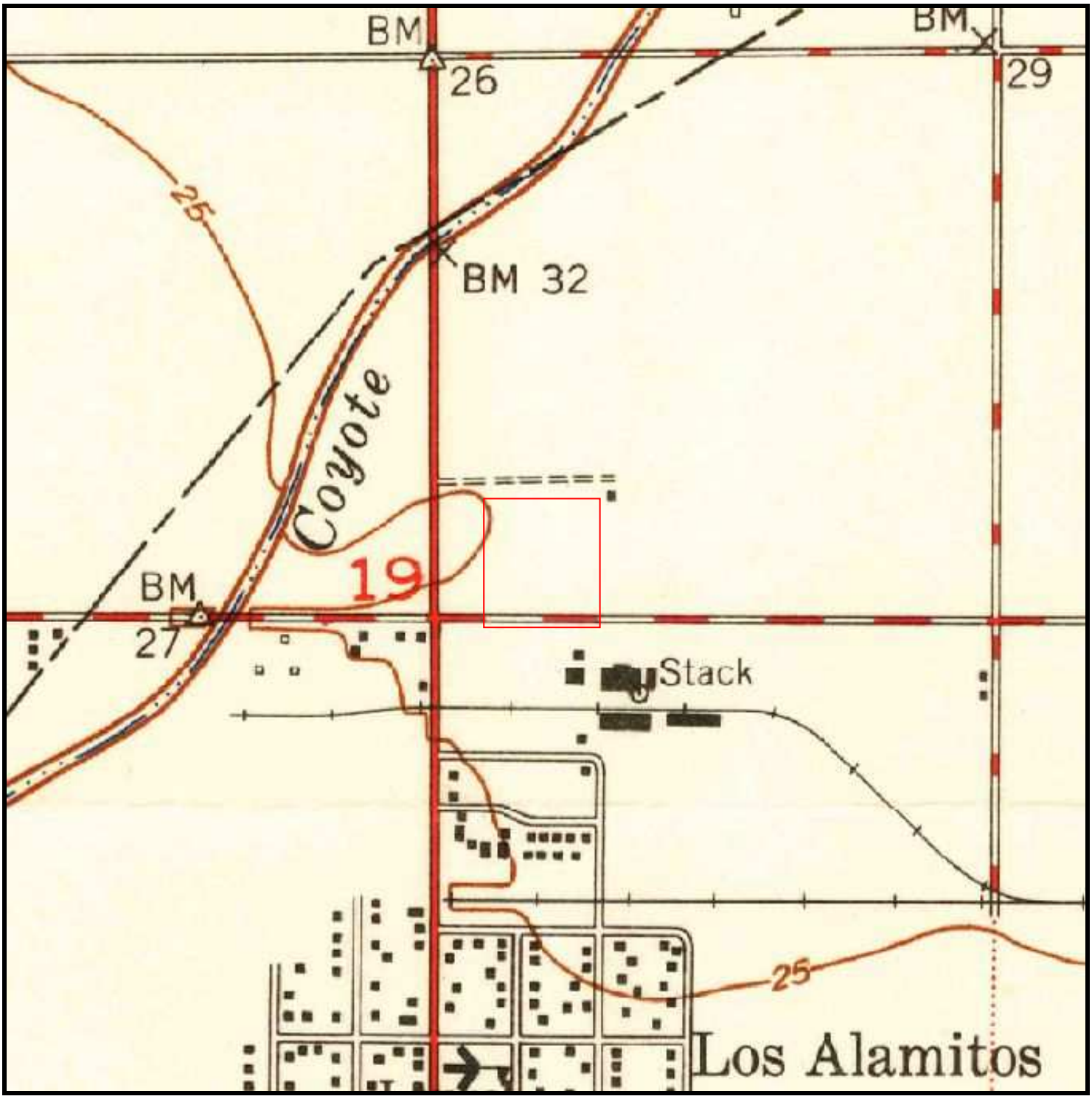
ERS
ENVIRONMENTAL RECORD SEARCH

Historical Topographic Map
Year 1960

N
W E
S

3591 West Cerritos Avenue
Los Alamitos, CA

Target Site: 33.811220, -118.070105 Job #: 2104707859



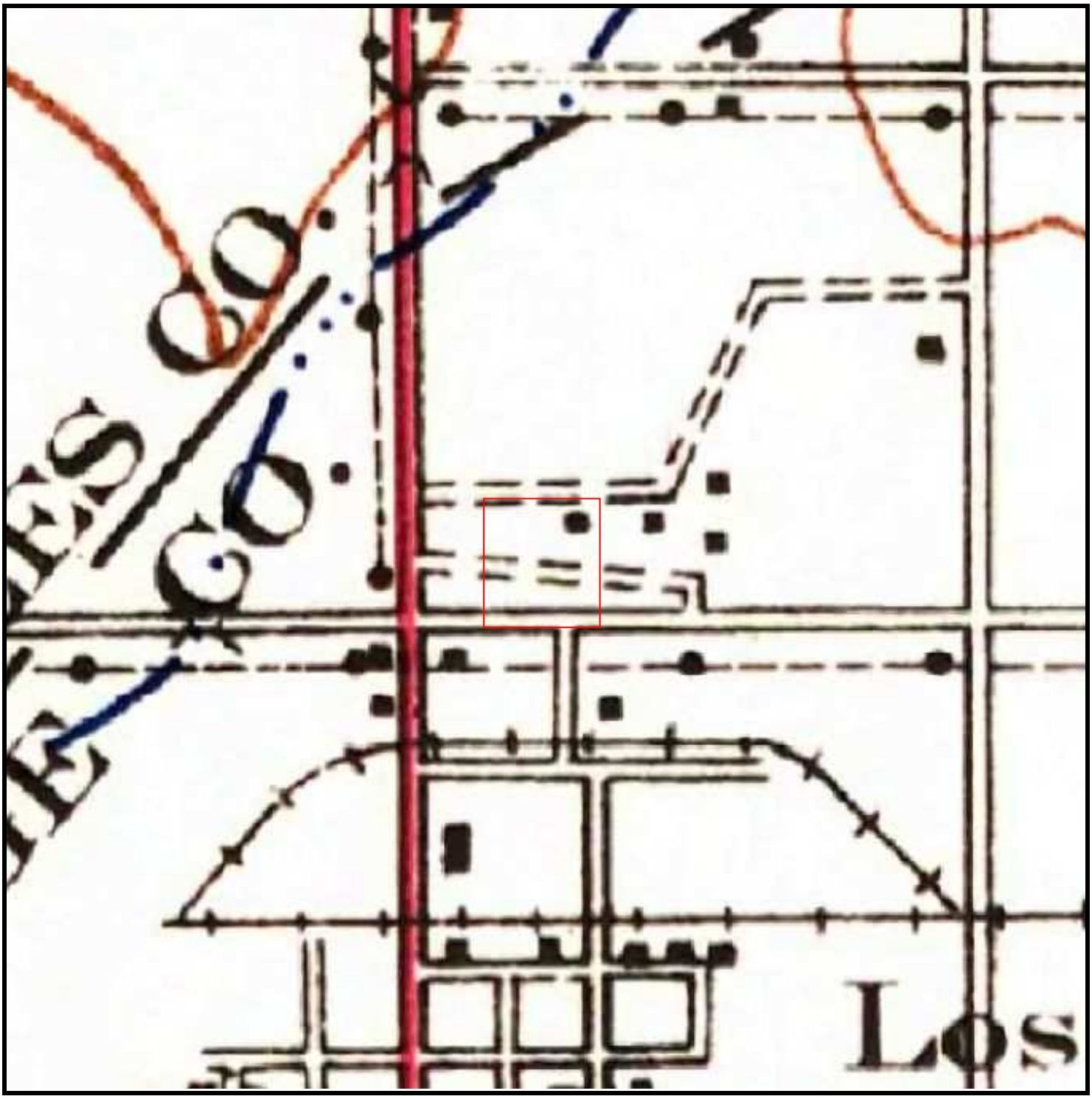
ERS
ENVIRONMENTAL RECORD SEARCH

Historical Topographic Map
Year 1950

3591 West Cerritos Avenue
Los Alamitos, CA

N
W E
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Target Site: 33.811220, -118.070105 Job #: 2104707859



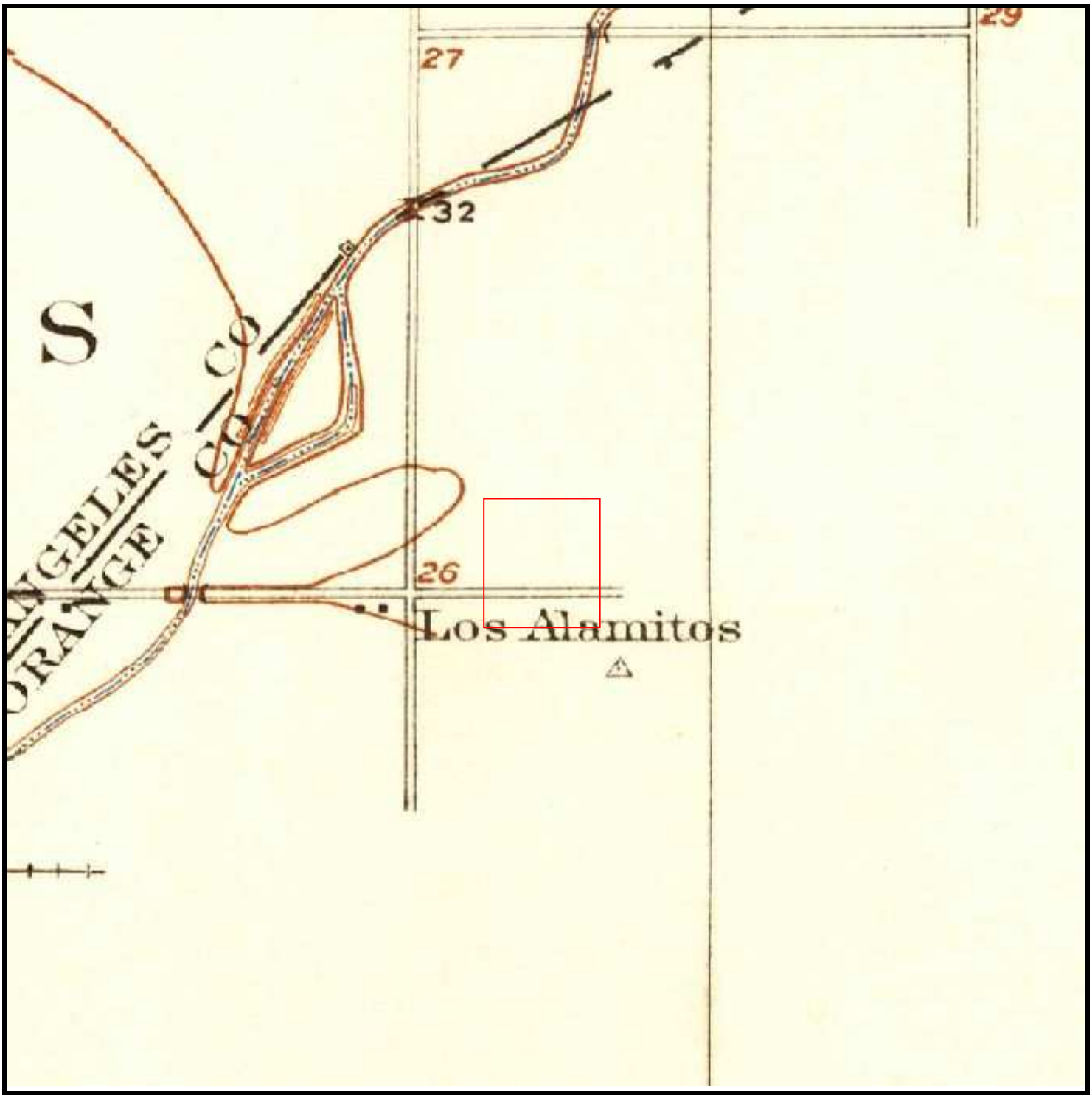
ERS
ENVIRONMENTAL RECORD SEARCH

Historical Topographic Map
Year 1942

3591 West Cerritos Avenue
Los Alamitos, CA

N
W E
S

Target Site: 33.811220, -118.070105 Job #: 2104707859



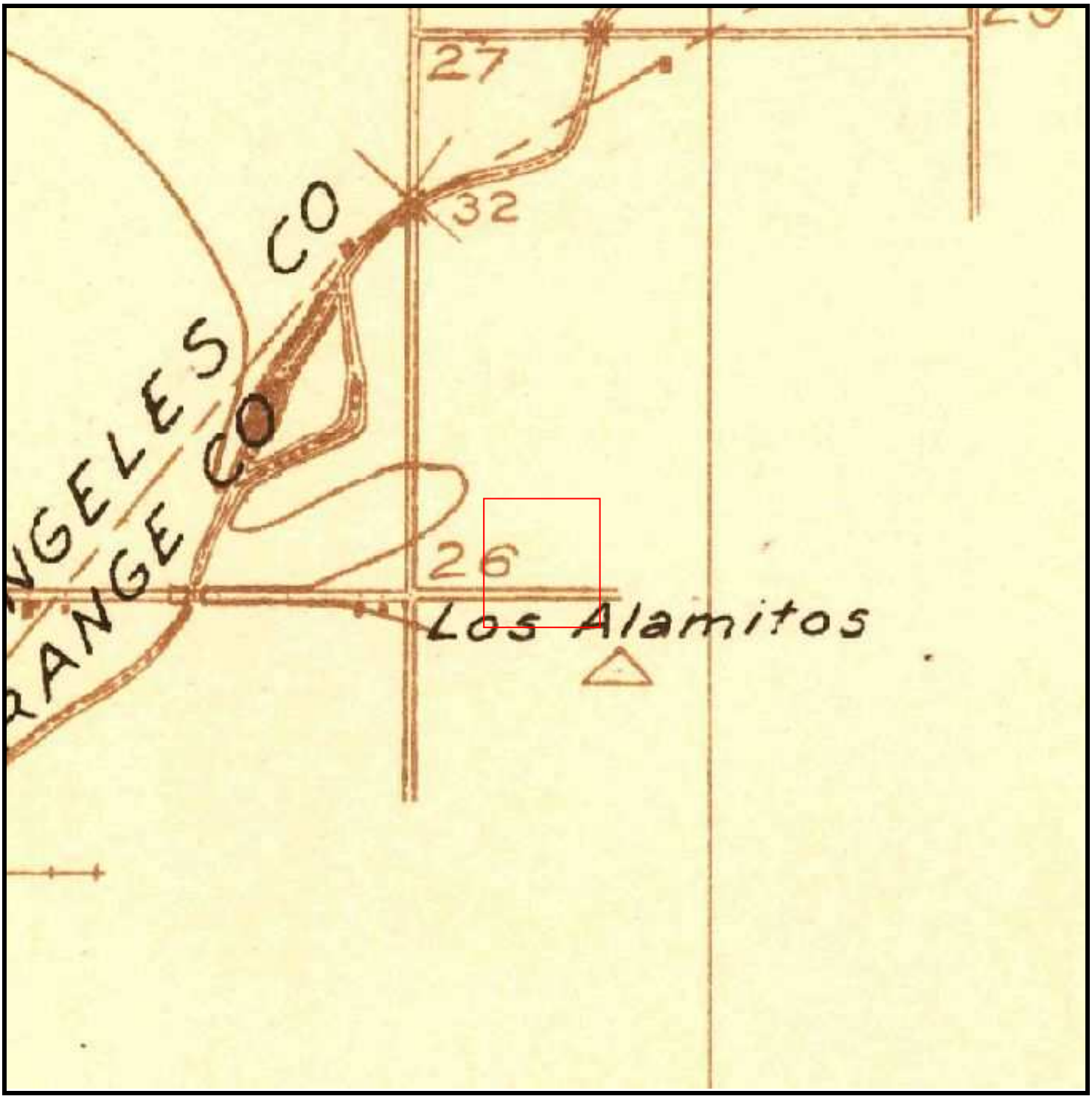
ENVIRONMENTAL RECORD SEARCH

Historical Topographic Map
Year 1932

3591 West Cerritos Avenue
Los Alamitos, CA

N
W E
S

Target Site: 33.811220, -118.070105 Job #: 2104707859



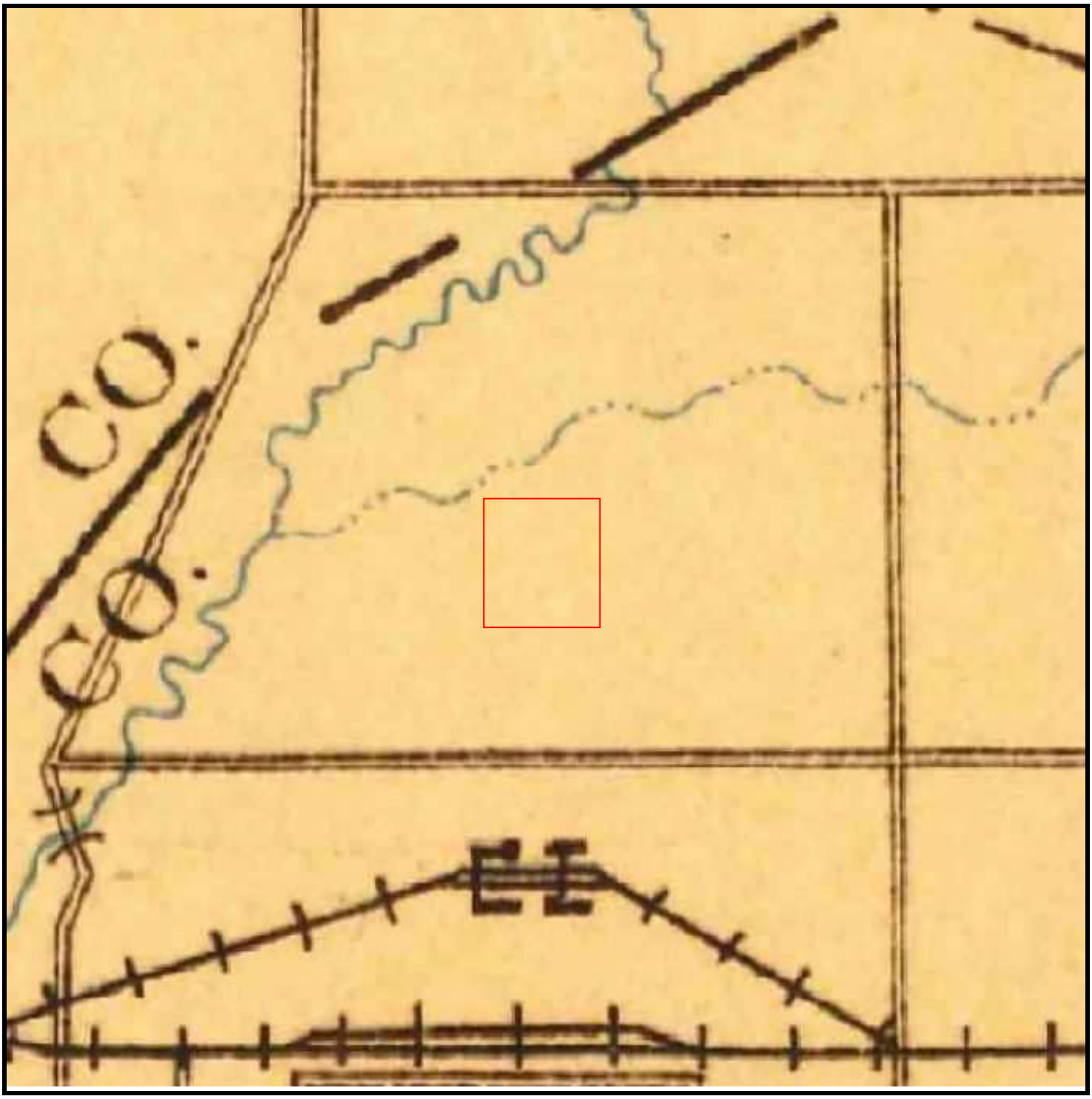
ENVIRONMENTAL RECORD SEARCH

Historical Topographic Map
Year 1923

3591 West Cerritos Avenue
Los Alamitos, CA

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Target Site: 33.811220, -118.070105 Job #: 2104707859



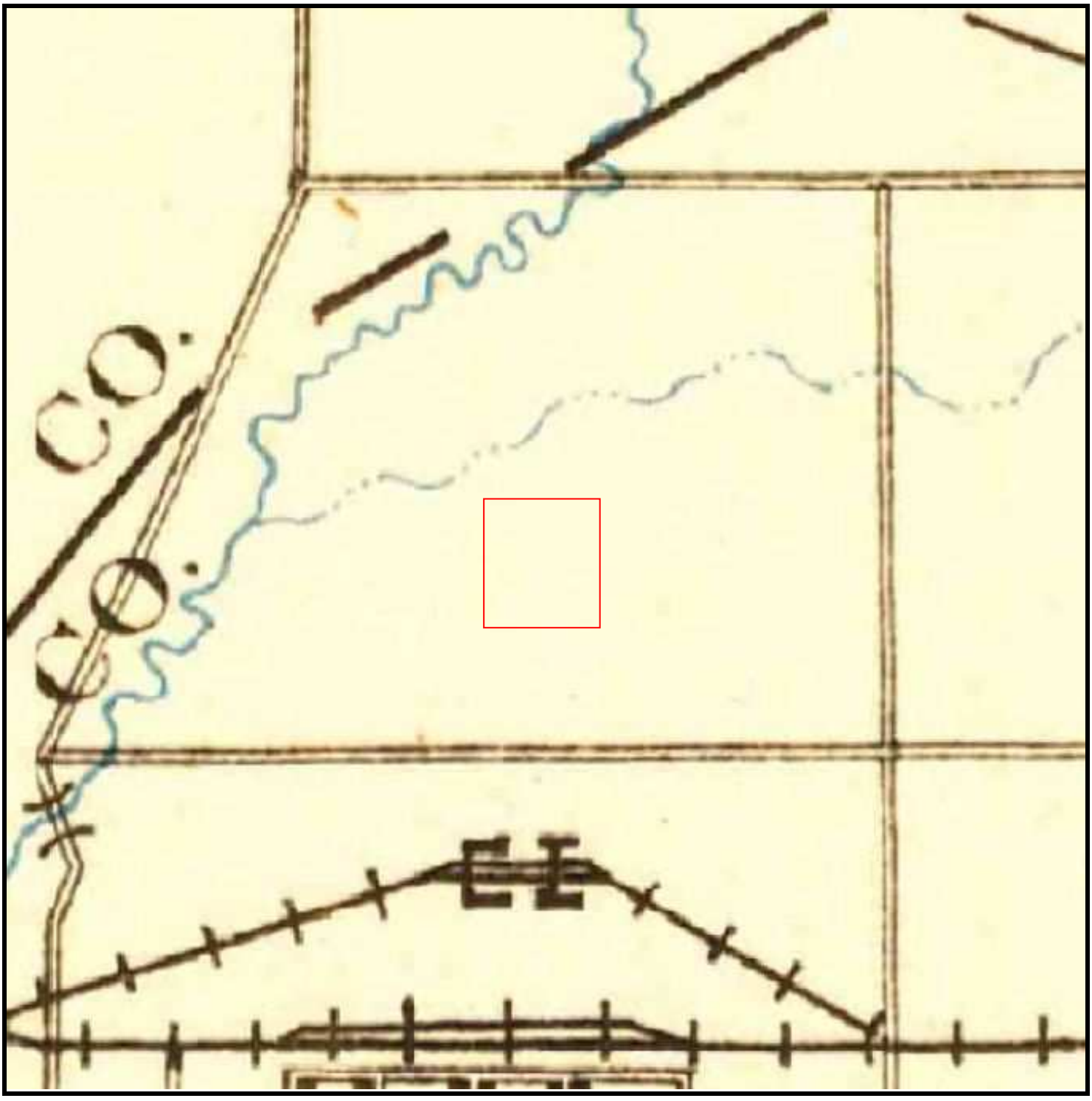
ENVIRONMENTAL RECORD SEARCH

Historical Topographic Map
Year 1911

3591 West Cerritos Avenue
Los Alamitos, CA

N
W E
S

Target Site: 33.811220, -118.070105 Job #: 2104707859



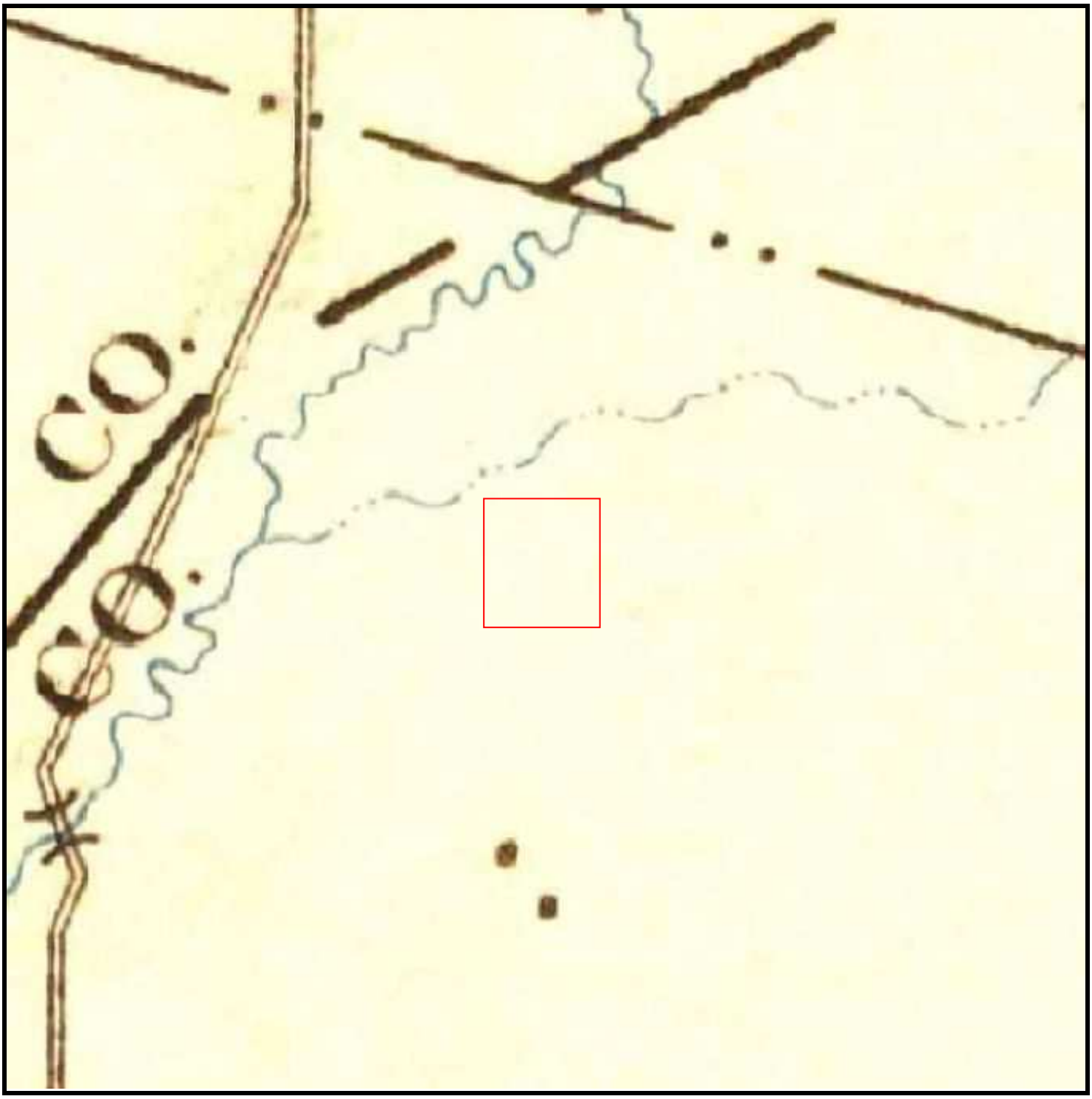
ENVIRONMENTAL RECORD SEARCH

Historical Topographic Map
Year 1902

3591 West Cerritos Avenue
Los Alamitos, CA

N
W E
S

Target Site: 33.811220, -118.070105 Job #: 2104707859



ENVIRONMENTAL RECORD SEARCH

Historical Topographic Map
Year 1896

3591 West Cerritos Avenue
Los Alamitos, CA

N
W E
S

Target Site: 33.811220, -118.070105 Job #: 2104707859

APPENDIX D

Environmental Database Report

ERS
ENVIRONMENTAL RECORD SEARCH
"The Intelligent Choice"

RecCheck

Report Results

The Standard for ASTM/AAI Radius Searches
(One Mile Environmental Records Search, Exceeds ASTM 1527/1528 and EPA All Appropriate Inquiry)

REPORT RESULTS



Site Location:

3591 West Cerritos Avenue
Los Alamitos, CA 90720
(N 33-48-40, W 118-4-12) NAD83

Client:

UltraSystems Environmental

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EXECUTIVE SUMMARY

INFORMATION ON THE REQUESTED LOCATION

Site Address:	3591 West Cerritos Avenue Los Alamitos, CA 90720
Client Project Name/Number:	Los Alamitos STEM Building 7018
Coordinates:	N 33-48-40, W 118-4-12 (NAD 83) 33.81122, -118.070105
Date of Report	May 17, 2019
ERS Project Number:	2104707859
Subject Site Listed on the following lists:	Multiple Agency Lists
Subject Site Listed as Map ID#:	1 (Click here for details)
USGS 7.5 Minute Quad Map:	Los Alamitos (2015-03-23)
Subject Site Located within a Potential Area of Concern:	No
Township, Section and Range:	Township: 04S Range: 11W Section: 19 Baseline: San Bernardino
Site Elevation: (feet above or below (-) mean sea level)	29
Flood Zone: (FEMA Q3 Digital Data)	Panel: 06059C0112J, Effective Date: 12/3/2009 Zone X - Area of minimal flood hazard, usually depicted on FIRMs as above the 500-year flood level.
Fire Insurance Map Coverage:	Coverage May Exist in Los Alamitos. Years: 1898, 1907, 1922, 1929. Sources: ERS; California State Univ., Northridge ; Formerly US Census Bureau, Jeffersonville, IN
Radon Information:	EPA Radon Zone: 3 (Predicted avg for county: < 2 pCi/L)For zip code 90720: Number of tests per zip code: 6 Number of tests where radon is > 4 pCi/L: 0 Percentage of test where radon is > 4 pCi/L: 0.00% Other Information: Not Reported
Search Radius Expansion Size: (In Miles)	0

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Soil Type: **(USDA Soil Survey Geographic Database) (SSURGO)**	Urban land-Metz-Pico complex, 0 to 2 percent slopes Map Unit Type: Complex Hydric: No Drainage Class: Somewhat excessively drained General Information: Mixed, thermic Typic Xeropsamments
Zip Codes Searched for "Un-Mappable" Sites:	Not Researched
Occurrence Count:	205

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SUMMARY OF OCCURRENCES

MAP ID	ID/SITE NAME	ADDRESS	DATABASE	STATUS	DISTANCE (MILES)	ELEV DIFF (FEET)
1 Maps: 1, 2, 3, 4	95002-SC LOS ALAMITOS UNIFIED SCHOOL DISTRICT	3591 CERRITOS AVE LOS ALAMITOS	AIR-DIST-CA	Listed	Subject Site	N/A
1 Maps: 1, 2, 3, 4	10538188 LOS ALAMITOS HIGH SCHOOL	3591 CERRITOS AVE LOS ALAMITOS	CERS-CA	Listed	Subject Site	N/A
1 Maps: 1, 2, 3, 4	339459 LOS ALAMITOS HIGH SC	3591 CERRITOS AVENUE LOS ALAMITOS	CRSP-CA	Listed	Subject Site	N/A
1 Maps: 1, 2, 3, 4	415271 LOS ALAMITOS HIGH SCHOOL	3591 CERRITOS AVE LOS ALAMITOS	CRSP-CA	Listed	Subject Site	N/A
1 Maps: 1, 2, 3, 4	110022057389 LOS ALAMITOS HIGH	3591 CERRITOS AVE. LOS ALAMITOS	FRS-US	Listed	Subject Site	N/A
1 Maps: 1, 2, 3, 4	B65C6614-30820024 LOS ALAMITOS HIGH SCHOOL	3591 Cerritos Avenue Los Alamitos	Hist-CA	No Longer Listed	Subject Site	N/A
1 Maps: 1, 2, 3, 4	CAD982312118 LOS ALAMITOS USD - LOS ALAMITOS HIGH SCHOOL	3591 CERRITOS AVE LOS ALAMITOS	Hist-CA	Name Changed	Subject Site	N/A
1 Maps: 1, 2, 3, 4	208027 Los Alamitos HS New 2 Story Classroom	3591 Cerritos Ave Los Alamitos	NPDES-SW-CA	Listed	Subject Site	N/A
1 Maps: 1, 2, 3, 4	437097 Los Alamitos High School	3591 Cerritos Avenue Los Alamitos	NPDES-SW-CA	Listed	Subject Site	N/A

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MAP ID	ID/SITE NAME	ADDRESS	DATABASE	STATUS	DISTANCE (MILES)	ELEV DIFF (FEET)
1 Maps: 1, 2, 3, 4	30820024 LOS ALAMITOS HIGH SCHOOL	3591 Cerritos Avenue Los Alamitos	School-NFA-CA	No Further Action	Subject Site	N/A
2 Maps: 1, 2, 4	119352-SC UNOCAL /ALTON GEOSCIENCE	3501 CERRITOS AVE LOS ALAMITOS	AIR-DIST-CA	Listed	0.09 SW	-3
2 Maps: 1, 2, 4	98421-SC UNOCAL CORP	3501 CERRITOS AVE LOS ALAMITOS	AIR-DIST-CA	Listed	0.09 SW	-3
2 Maps: 1, 2, 4	RO0002790-ORG UNOCAL #4727	3501 CERRITOS AVE LOS ALAMITOS	County-LUST-Open-CA	Open	0.09 SW	-3
2 Maps: 1, 2, 4	440191 UNOCAL SERVICE STATION #4727	3501 CERRITOS AVENUE LOS ALAMITOS	Hist-LUSTIS-CA	Listed	0.09 SW	-3
2 Maps: 1, 2, 4	3779672 UNOCAL #4727	3501 CERRITOS AVE LOS ALAMITOS	Hist-Regional-Other-CA	Listed	0.09 SW	-3
2 Maps: 1, 2, 4	440191 UNOCAL SERVICE STATION #4727	3501 CERRITOS AVENUE LOS ALAMITOS	Hist-Regional-UST-CA	Listed	0.09 SW	-3
3 Maps: 1, 2, 4	RO0001373-ORG LOS ALAMITOS AFRC	BLDG 57 LOS ALAMITOS	County-LUST-Closed-CA	Closed	0.1 SE	0
3 Maps: 1, 2, 4	RO0001743-ORG AFRC LOS ALAMITOS	BLDG 57 LOS ALAMITOS	County-LUST-Closed-CA	Closed	0.1 SE	0
4 Maps: 1, 2, 4	CAD077956746 CAL-PACIFIC INSULATION INC	10447 LOS ALAMITOS BLVD LOS ALAMITOS	RCRA-SQG-US	Listed	0.1 W	-3
5 Maps: 1, 2, 4	4259 Alamitos Auto Parts	10453 Los Alamitos Blvd Los Alamitos	Hist-Auto Repair	Listed	0.1 W	-3
6 Maps: 1, 2, 4	243001 CHEVRON #20-6285	10471 LOS ALAMITOS LOS ALAMITOS	CRSP-CA	Listed	0.1 W	-3
6 Maps: 1, 2, 4	T0605901948 CHEVRON #20-6285	10471 LOS ALAMITOS LOS ALAMITOS	ENF-CA	Listed	0.1 W	-3

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MAP ID	ID/SITE NAME	ADDRESS	DATABASE	STATUS	DISTANCE (MILES)	ELEV DIFF (FEET)
6 Maps: 1, 2, 4	T0605901948 CHEVRON #20-6285	10471 LOS ALAMITOS LOS ALAMITOS	LUST-Open-CA	Open - Site Assessment	0.1 W	-3
7 Maps: 1, 2, 4	203237 ACE EQUIPMENT RENTAL	3686 CERRITOS LOS ALAMITOS	CRSP-CA	Listed	0.1 SE	-1
7 Maps: 1, 2, 4	T0605901757 ACE EQUIPMENT RENTAL	3686 CERRITOS LOS ALAMITOS	ENF-CA	Listed	0.1 SE	-1
7 Maps: 1, 2, 4	211909 ACE EQUIPMENT RENTALS	3686 CERRITOS LOS ALAMITOS	Hist-UST-CA	Listed	0.1 SE	-1
7 Maps: 1, 2, 4	T0605901757 ACE EQUIPMENT RENTAL	3686 CERRITOS LOS ALAMITOS	LUST-Closed-CA	Completed - Case Closed	0.1 SE	-1
8 Maps: 1, 2, 4	91486-SC INDEPENDENT CAR SPECS	10385 LOS ALAMITOS BLVD LOS ALAMITOS	AIR-DIST-CA	Listed	0.11 W	-3
8 Maps: 1, 2, 4	464224-PD INDEP HONDA & ACURA PARTS SVC	10385 LOS ALAMITOS BLVD LOS ALAMITOS	Hist-Auto Repair	Listed	0.11 W	-3
8 Maps: 1, 2, 4	1283885 INDEPENDENT CAR SPECIALIST	10385 LOS ALAMITOS LOS ALAMITOS	Hist-CalFID-CA	Listed	0.11 W	-3
8 Maps: 1, 2, 4	CAD981653405 HONDA AUTO PARTS SERVICE	10385 LOS ALAMITOS BLVD LOS ALAMITOS	RCRA-SQG-US	Listed	0.11 W	-3
9 Maps: 1, 2, 4	464286-PD INDEPENDENT CAR SPECIALIST	10383 LOS ALAMITOS BLVD LOS ALAMITOS	Hist-Auto Repair	Listed	0.11 W	-3
10 Maps: 1, 2, 4	54293-SC PRECISION CARBURETION & FUEL	10353 LOS ALAMITOS BLVD LOS ALAMITOS	AIR-DIST-CA	Listed	0.11 W	-3
11 Maps: 1, 2, 4	257459 BIXBY LAND CO	3502 CERRITOS LOS ALAMITOS	CRSP-CA	Listed	0.11 SW	-2
11 Maps: 1, 2, 4	350988 GW Cleanup-Los Alamitos-El Pol	3502 CERRITOS LOS ALAMITOS	CRSP-CA	Listed	0.11 SW	-2

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MAP ID	ID/SITE NAME	ADDRESS	DATABASE	STATUS	DISTANCE (MILES)	ELEV DIFF (FEET)
11 Maps: 1, 2, 4	T0605900912 BIXBY LAND CO	3502 CERRITOS LOS ALAMITOS	ENF-CA	Listed	0.11 SW	-2
11 Maps: 1, 2, 4	1176143 BIXBY LAND COMPANY	3502 CERRIOTS LOS ALAMITOS	Hist-HWS-CA	Listed	0.11 SW	-2
11 Maps: 1, 2, 4	T0605900912 BIXBY LAND CO	3502 CERRITOS LOS ALAMITOS	LUST-Closed-CA	Completed - Case Closed	0.11 SW	-2
12 Maps: 1, 2, 4	63561-SC BIXBY LAND COMPANY	10351 LOS ALAMITOS BLVD LOS ALAMITOS	AIR-DIST-CA	Listed	0.11 W	-3
12 Maps: 1, 2, 4	54297-SC BIXBY LAND COMPANY	10351 LOS ALAMITOS BLVD LOS ALAMITOS	AIR-DIST-CA	Listed	0.11 W	-3
12 Maps: 1, 2, 4	54294-SC GRAPHIC EXPRESS	10349 LOS ALAMITOS BLVD LOS ALAMITOS	AIR-DIST-CA	Listed	0.11 W	-3
13 Maps: 1, 2, 4	154910-SC EL POLLO LOCO #3322	3502 CERRITOS AVE LOS ALAMITOS	AIR-DIST-CA	Listed	0.11 SW	-1
13 Maps: 1, 2, 4	RO0001259-ORG BIXBY LAND CO	3502 CERRITOS AVE LOS ALAMITOS	County-LUST-Closed-CA	Closed	0.11 SW	-1
13 Maps: 1, 2, 4	1176143 BIXBY LAND COMPANY	3502 CERRITOS AVENUE LOS ALAMITOS	Hist-LUSTIS-CA	Listed	0.11 SW	-1
13 Maps: 1, 2, 4	1176143 BIXBY LAND CO	3502 CERRITOS AVE LOS ALAMITOS	Hist-Regional-Other-CA	Listed	0.11 SW	-1
13 Maps: 1, 2, 4	1176143 BIXBY LAND COMPANY	3502 CERRITOS AVENUE LOS ALAMITOS	Hist-Regional-UST-CA	Listed	0.11 SW	-1
13 Maps: 1, 2, 4	267552 STATION 105	3502 CERRITOS AVE LOS ALAMITOS	Hist-UST-CA	Listed	0.11 SW	-1
14 Maps: 1, 2, 4	42125-SC UNION DLR, THOMAS C. LEWIS 031509	10492 LOS ALAMITOS BLVD LOS ALAMITOS	AIR-DIST-CA	Listed	0.11 SW	-2

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MAP ID	ID/SITE NAME	ADDRESS	DATABASE	STATUS	DISTANCE (MILES)	ELEV DIFF (FEET)
14 Maps: 1, 2, 4	7815891 LEWIS UNOCAL	10492 LOS ALAMITOS BLVD LOS ALAMITOS	Hist-CalFID-CA	Listed	0.11 SW	-2
14 Maps: 1, 2, 4	264755 SERVICE STATION 4727	10492 LOS ALAMITOS LOS ALAMITOS	Hist-UST-CA	Listed	0.11 SW	-2
14 Maps: 1, 2, 4	273184 UNION OIL SERVICE STATION LEAS	10492 LOS ALAMITOS LOS ALAMITOS	Hist-UST-CA	Listed	0.11 SW	-2
15 Maps: 1, 2, 4	208320 UNOCAL #4727	3501 CERRITOS LOS ALAMITOS	CRSP-CA	Listed	0.11 SW	-2
15 Maps: 1, 2, 4	T0605901594 UNOCAL #4727	3501 CERRITOS LOS ALAMITOS	ENF-CA	Listed	0.11 SW	-2
15 Maps: 1, 2, 4	440191 UNOCAL SERVICE STATION #4	3501 CERRITOS LOS ALAMITOS	Hist-HWS-CA	Listed	0.11 SW	-2
15 Maps: 1, 2, 4	T0605901594 UNOCAL #4727	3501 CERRITOS LOS ALAMITOS	LUST-Open-CA	Open - Site Assessment	0.11 SW	-2
16 Maps: 1, 2, 4	11608-SC LEWIS BILT INC	3562 CERRITOS AVE LOS ALAMITOS	AIR-DIST-CA	Listed	0.11 SW	-2
17 Maps: 1, 2, 4	5521394 EMERGENCY POWER SERVICE	10331 LOS ALAMITOS BLVD LOS ALAMITOS	Hist-RCRIS-US	Listed	0.11 W	-3
17 Maps: 1, 2, 4	CAR000001073 EMERGENCY POWER SERVICE	10331 LOS ALAMITOS BLVD LOS ALAMITOS	RCRA-NON-US	Listed	0.11 W	-3
18 Maps: 1, 2, 4	CAD981632128 PRESISION CABURETION	10350 LOS ALOMITOS BLVD LOS ALAMITOS	RCRA-SQG-US	Listed	0.12 NW	-2
19 Maps: 1, 2, 4	66029-SC SIZZLER RESTAURANT	10471 LOS ALAMITOS BLVD LOS ALAMITOS	AIR-DIST-CA	Listed	0.13 W	-2
19 Maps: 1, 2, 4	RO0001344-ORG CHEVRON #20-6285	10471 LOS ALAMITOS BLVD LOS ALAMITOS	County-LUST-Open-CA	Open	0.13 W	-2

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MAP ID	ID/SITE NAME	ADDRESS	DATABASE	STATUS	DISTANCE (MILES)	ELEV DIFF (FEET)
19 Maps: 1, 2, 4	6522157 STANDARD OIL, FORMER	10471 LOS ALAMITOS BOULEVARD LOS ALAMITOS	Hist-LUSTIS-CA	Listed	0.13 W	-2
19 Maps: 1, 2, 4	6522157 FORMER STANDARD OIL	10471 LOS ALAMITOS BLVD LOS ALAMITOS	Hist-Regional-Other-CA	Listed	0.13 W	-2
19 Maps: 1, 2, 4	6522157 STANDARD OIL FORMER	10471 LOS ALAMITOS BOULEVARD LOS ALAMITOS	Hist-Regional-UST-CA	Listed	0.13 W	-2
19 Maps: 1, 2, 4	T0605901948 CHEVRON #20-6285	10471 LOS ALAMITOS BLVD LOS ALAMITOS	UST-Priority-CA	Listed	0.13 W	-2
20 Maps: 1, 2, 4	RO0001634-ORG ACE EQUIPMENT RENTAL	3686 CERRITOS AVE LOS ALAMITOS	County-LUST-Closed-CA	Closed	0.14 SE	0
20 Maps: 1, 2, 4	4222 ACE EQUIPMENT RENTALS	3686 CERRITOS AVENUE LOS ALAMITOS	Hist-LUSTIS-CA	Listed	0.14 SE	0
20 Maps: 1, 2, 4	4222 ACE EQUIPMENT RENTALS	3686 CERRITOS AVENUE LOS ALAMITOS	Hist-Regional-UST-CA	Listed	0.14 SE	0
20 Maps: 1, 2, 4	CAD981677263 SANTA ANA EQUIPMENT RENTALS	3686 CERRITOS AVE LOS ALAMITOS	RCRA-NON-US	Listed	0.14 SE	0
21 Maps: 1, 2, 4	142135-SC BONDAZE ENTERPRISES INC	3626 CERRITOS AVE LOS ALAMITOS	AIR-DIST-CA	Listed	0.15 S	0
22 Maps: 1, 2, 4	CAD982312118 LOS ALAMITOS HIGH SCHL	3591 CERITOS AVE LOS ALAMITOS	RCRA-SQG-US	Listed	0.15 NE	1
23 Maps: 1, 2, 4	RO0001149-ORG TEXACO TRADING & TRANS	3422 CERRITOS AVE LOS ALAMITOS	County-LUST-Closed-CA	Closed	0.15 SW	-2
23 Maps: 1, 2, 4	222320 TEXACO TRADING & TRANS	3422 CERRITOS LOS ALAMITOS	CRSP-CA	Listed	0.15 SW	-2
23 Maps: 1, 2, 4	T0605900324 TEXACO TRADING & TRANS	3422 CERRITOS LOS ALAMITOS	ENF-CA	Listed	0.15 SW	-2

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MAP ID	ID/SITE NAME	ADDRESS	DATABASE	STATUS	DISTANCE (MILES)	ELEV DIFF (FEET)
23 Maps: 1, 2, 4	933523 TEXACO SERVICE STATION	3422 CERRITOS AVENUE LOS ALAMITOS	Hist-LUSTIS-CA	Listed	0.15 SW	-2
23 Maps: 1, 2, 4	933523 TEXACO TRADING & TRANS	3422 CERRITOS AVE LOS ALAMITOS	Hist-Regional-Other-CA	Listed	0.15 SW	-2
23 Maps: 1, 2, 4	246166 LOS ALAMITOS TANK FARM HEADQUA	3422 CERRITOS LOS ALAMITOS	Hist-UST-CA	Listed	0.15 SW	-2
23 Maps: 1, 2, 4	T0605900324 TEXACO TRADING & TRANS	3422 CERRITOS LOS ALAMITOS	LUST-Closed-CA	Completed - Case Closed	0.15 SW	-2
24 Maps: 1, 2, 4	RO0003530-ORG AMERICAN HARDWOOD FLOORS	3712 CERRITOS AVE LOS ALAMITOS	County-Others-CA	Listed	0.16 SE	0
24 Maps: 1, 2, 4	CAR000180133 AMERICAN HARDWOOD FLOORS	3712 CERRITOS AVE LOS ALAMITOS	RCRA-SQG-US	Listed	0.16 SE	0
25 Maps: 1, 2, 4	10174023 SCE Cypress Substation	10551 Los Alamitos Blvd Los Alamitos	CERS-CA	Listed	0.16 SW	-2
25 Maps: 1, 2, 4	10624813 T-MOBILE WEST CORPORATION LA02873F	10551 Los Alamitos Blvd Los Alamitos	CERS-CA	Listed	0.16 SW	-2
25 Maps: 1, 2, 4	69383 SCE Cypress Substation	10551 LOS ALAMITOS BLVD LOS ALAMITOS	CRSP-CA	Listed	0.16 SW	-2
26 Maps: 1, 2, 4	57703 BRIGGEMAN DISPOSAL SERVIC	3551 SAUSALITO LOS ALMITOS	Hist-HWS-CA	Listed	0.16 S	-1
27 Maps: 1, 2, 4	38024-SC BRIGGEMAN DISPOSAL SERVICES INC	3551 SAUSALITO ST LOS ALAMITOS	AIR-DIST-CA	Listed	0.16 S	-1
27 Maps: 1, 2, 4	RO0002185-ORG BRIGGEMAN DISPOSAL SERVICES	3551 SAUSALITO ST LOS ALAMITOS	County-LUST-Closed-CA	Closed	0.16 S	-1

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27 Maps: 1, 2, 4	57703 BRIGGEMAN DISPOSAL SERVICE	3551 SAUSALITO STREET LOS ALAMITOS	Hist-LUSTIS-CA	Listed	0.16 S	-1
27 Maps: 1, 2, 4	57703 BRIGGEMAN DISPOSAL SERVICE	3551 SAUSALITO STREET LOS ALAMITOS	Hist-Regional-UST-CA	Listed	0.16 S	-1
27 Maps: 1, 2, 4	CAL000365771 GEMINI FOREST PRODUCTS	3551 SAUSALITO ST LOS ALAMITOS	RCRA-NON-US	Listed	0.16 S	-1
28 Maps: 1, 2, 4	159489 FRED GUYS AUTO BODY INC	3732 CERRITOS LOS ALAMITOS	Hist-CalFID-CA	Listed	0.16 E	-1
29 Maps: 1, 2, 4	CAL000434749 C & S MATERIAL SPECIALIST INC	10311 LOS ALAMITOS BLVD LOS ALAMITOS	RCRA-NON-US	Listed	0.17 W	-2
30 Maps: 1, 2, 4	106785-SC SWINGLE ENTERPRISES INC, G T AUTOMOTIVE	3400 CERRITOS AVE LOS ALAMITOS	AIR-DIST-CA	Listed	0.17 SW	-1
30 Maps: 1, 2, 4	10559131 COASTLINE AUTO CARE	3400 CERRITOS AVE LOS ALAMITOS	CERS-CA	Listed	0.17 SW	-1
30 Maps: 1, 2, 4	FA0049177-ORG COASTLINE AUTO CARE	3400 CERRITOS AVE LOS ALAMITOS	County-Others-CA	Listed	0.17 SW	-1
30 Maps: 1, 2, 4	411002 COASTLINE AUTO CARE	3400 CERRITOS AVE LOS ALAMITOS	CRSP-CA	Listed	0.17 SW	-1
30 Maps: 1, 2, 4	75439 COASTLINE AUTO CARE	3400 CERRITOS AVE LOS ALAMITOS	Hist-Auto Repair	Listed	0.17 SW	-1
30 Maps: 1, 2, 4	442848-PD G T AUTOMOTIVE	3400 CERRITOS AVE LOS ALAMITOS	Hist-Auto Repair	Listed	0.17 SW	-1
30 Maps: 1, 2, 4	CAL000317934 M & N COASTLINE AUTO & TIRE SERVICE	3400 CERRITOS AVE LOS ALAMITOS	RCRA-NON-US	Listed	0.17 SW	-1

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MAP ID	ID/SITE NAME	ADDRESS	DATABASE	STATUS	DISTANCE (MILES)	ELEV DIFF (FEET)
31 Maps: 1, 2, 4	100272-SC OLYMPIC ORNAMENTAL IRON WORKS,J LAMBROU	3732 CERRITOS AVE LOS ALAMITOS	AIR-DIST-CA	Listed	0.18 SE	0
31 Maps: 1, 2, 4	363831-PD A & E AUTOMOTIVE	3732 CERRITOS AVE LOS ALAMITOS	Hist-Auto Repair	Listed	0.18 SE	0
31 Maps: 1, 2, 4	462563-PD HUMPHREY & COOPER AUTOMOTIVE	3732 CERRITOS AVE LOS ALAMITOS	Hist-Auto Repair	Listed	0.18 SE	0
32 Maps: 1, 2, 4	311256 ORANGE COUNTY ERECTORS	3651 SAUSILITO LOS ALAMITOS	Hist-CalFID-CA	Listed	0.18 S	-3
32 Maps: 1, 2, 4	1188855 DART ROLLFORMERS INC	3651 SAUSILITO LOS ALAMITOS	Hist-CalFID-CA	Listed	0.18 S	-3
32 Maps: 1, 2, 4	CAD981442817 DART ROLLFORMERS INC	3651 SAUSILITO LOS ALAMITOS	RCRA-NON-US	Listed	0.18 S	-3
33 Maps: 1, 2, 4	9060596174 Duval	3609 Sausalito Los Alamitos	ALLFACS-IL	Listed	0.18 S	-3
34 Maps: 1, 2, 4	96160-SC GRATING PACIFIC INC	3651 SAUSALITO ST LOS ALAMITOS	AIR-DIST-CA	Listed	0.19 SE	0
34 Maps: 1, 2, 4	10539691 GRATING PACIFIC INC	3651 SAUSALITO ST LOS ALAMITOS	CERS-CA	Listed	0.19 SE	0
34 Maps: 1, 2, 4	1188855 DART ROLLFORMERS INC	3651 SAUSALITO ST BLDG 101 LOS ANGELES	Hist-RCRIS-US	Listed	0.19 SE	0
34 Maps: 1, 2, 4	224818 DART ROLLFORMERS INC	3651 SAUSALITO ST LOS ALAMITOS	Hist-UST-CA	Listed	0.19 SE	0
34 Maps: 1, 2, 4	CAD983604851 DART ROLLFORMERS INC	3651 SAUSALITO ST BLDG 101 LOS ALAMITOS	RCRA-NON-US	Listed	0.19 SE	0

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MAP ID	ID/SITE NAME	ADDRESS	DATABASE	STATUS	DISTANCE (MILES)	ELEV DIFF (FEET)
35 Maps: 1, 2, 4	10522006 GEMINI FOREST PRODUCTS	3551 BRIGGEMAN ST LOS ALAMITOS	CERS-CA	Listed	0.19 S	-4
35 Maps: 1, 2, 4	FA0038462-ORG GEMINI FOREST PRODUCTS	3551 BRIGGEMAN ST LOS ALAMITOS	County-Others-CA	Listed	0.19 S	-4
35 Maps: 1, 2, 4	231984 BRIGGEMAN DISPOSAL SERVICES	3551 SAUSALITO LOS ALAMITOS	CRSP-CA	Listed	0.19 S	-4
35 Maps: 1, 2, 4	415202 GEMINI FOREST PRODUCTS	3551 BRIGGEMAN ST LOS ALAMITOS	CRSP-CA	Listed	0.19 S	-4
35 Maps: 1, 2, 4	5740139 LOS ALAMITOS & CYPRESS DISPOSAL	3551 SAUSALITO LOS ALAMITOS	Hist-SWIS-CA	Listed	0.19 S	-4
35 Maps: 1, 2, 4	1188862 LOS ALAMITOS & CYPRESS DISPOSA	3551 SAUSALITO LOS ALAMITOS	Hist-WMUDS-CA	Listed	0.19 S	-4
35 Maps: 1, 2, 4	T0605901688 BRIGGEMAN DISPOSAL SERVICES	3551 SAUSALITO LOS ALAMITOS	LUST-Closed-CA	Completed - Case Closed	0.19 S	-4
35 Maps: 1, 2, 4	LF3668 Los Alamitos & Cypress Disposal	3551 E SAUSALITO ST LOS ALAMITOS	NEI-LF-CA	Listed	0.19 S	-4
35 Maps: 1, 2, 4	CAD981677594 BRIGGEMAN DISPOSAL SERVICE INC	3551 SAUALITO LOS ALAMITOS	RCRA-SQG-US	Listed	0.19 S	-4
36 Maps: 1, 2, 4	1846 LOS ALAMITOS/CYPRESS DISPOSAL CO.	10608 LOS ALAMITOS BLVD. LOS ALAMITOS	HWT-CA	Listed	0.2 SW	-3
37 Maps: 1, 2, 4	CAC002986207 PUBLIC STORAGE 20184	3752 CERRITOS AVE LOS ALAMITOS	RCRA-NON-US	Listed	0.2 SE	1
38 Maps: 1, 2, 4	CAL000375052 TRI-ZONE INC	3380 CERRITOS AVE LOS ALAMITOS	RCRA-NON-US	Listed	0.2 W	-3

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39 Maps: 1, 2, 4	2862 ENVIRONMENTAL ENHANCEMENT CORPORATION	3355 CERRITOS AVENUE LOS ALAMITOS	HWT-CA	Listed	0.21 W	-2
39 Maps: 1, 2, 4	CAD982491904 ENVIRONMENTAL ENHANCEMENT CORP	3355 CERRITOS AVE LOS ALAMITOS	RCRA-NON-US	Listed	0.21 W	-2
40 Maps: 1, 2, 4	16969 Magic Cleaners	3451 Sausalito St Los Alamitos	Cleaners-CA	Listed	0.21 SW	-2
41 Maps: 1, 2, 4	RO0001484-ORG AEROMOTORS	10650 LOS ALAMITOS BLVD LOS ALAMITOS	County-LUST-Closed-CA	Closed	0.21 S	-3
41 Maps: 1, 2, 4	RO0003372-ORG AEROMOTORS	10650 LOS ALAMITOS BLVD LOS ALAMITOS	County-Others-CA	Listed	0.21 S	-3
41 Maps: 1, 2, 4	RO0003605-ORG AEROMOTORS	10650 LOS ALAMITOS BLVD LOS ALAMITOS	County-Others-CA	Listed	0.21 S	-3
41 Maps: 1, 2, 4	1585965 AERO MOTORS	10650 LOS ALAMITOS BOULEVARD LOS ALAMITOS	Hist-LUSTIS-CA	Listed	0.21 S	-3
41 Maps: 1, 2, 4	1585965 AERO MOTORS	10650 LOS ALAMITOS BOULEVARD LOS ALAMITOS	Hist-Regional-UST-CA	Listed	0.21 S	-3
41 Maps: 1, 2, 4	212119 AERO MOTORS/BARGAIN RENT-A-CAR	10650 LOS ALAMITOS BLVD LOS ALAMITOS	Hist-UST-CA	Listed	0.21 S	-3
42 Maps: 1, 2, 4	70905-SC CONSOLIDATED FREIGHTWAYS	10651 REAGAN ST LOS ALAMITOS	AIR-DIST-CA	Listed	0.22 S	-3
42 Maps: 1, 2, 4	RO0002667-ORG CONSOLIDATED FREIGHTWAYS INC	10651 REAGAN ST LOS ALAMITOS	County-LUST-Closed-CA	Closed	0.22 S	-3
42 Maps: 1, 2, 4	8 30I006410-ORG Consolidated Freightways	10651 Reagan St Los Alamitos	County-Others-CA	Listed	0.22 S	-3

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42 Maps: 1, 2, 4	260301 CONSOLIDATED FREIGHTWAYS INC	10651 REAGAN LOS ALAMITOS	CRSP-CA	Listed	0.22 S	-3
42 Maps: 1, 2, 4	T0605901595 CONSOLIDATED FREIGHTWAYS INC	10651 REAGAN LOS ALAMITOS	ENF-CA	Listed	0.22 S	-3
42 Maps: 1, 2, 4	489864-PD LAND N SEA MOBILE MECHANIC SVC	10651 REAGAN ST LOS ALAMITOS	Hist-Auto Repair	Listed	0.22 S	-3
42 Maps: 1, 2, 4	4988866 CONSOLIDATED FREIGHTWAYS INC	10651 REAGAN ST LOS ALIMITOS	Hist-CalFID-CA	Listed	0.22 S	-3
42 Maps: 1, 2, 4	4988866 CONSOLIDATED FREIGHTWAYS	10651 REAGAN LOS ALAMITOS	Hist-HWS-CA	Listed	0.22 S	-3
42 Maps: 1, 2, 4	4988866 CONSOLIDATED FREIGHTWAYS, INC.	10651 REAGAN STREET LOS ALAMITOS	Hist-LUSTIS-CA	Listed	0.22 S	-3
42 Maps: 1, 2, 4	4988866 CONSOLIDATED FREIGHTWAYS INC	10651 REAGAN ST LOS ALAMITOS	Hist-Regional-Other-CA	Listed	0.22 S	-3
42 Maps: 1, 2, 4	223119 COMSOLIDATED FREIGHTWAYS	10651 REAGAN STREET LOS ALAMITOS	Hist-UST-CA	Listed	0.22 S	-3
42 Maps: 1, 2, 4	T0605901595 CONSOLIDATED FREIGHTWAYS INC	10651 REAGAN LOS ALAMITOS	LUST-Closed-CA	Completed - Case Closed	0.22 S	-3
43 Maps: 1, 2, 4	103342-SC L.A. CELLULAR TELEPHONE CO., (SITE #85)	10652 REAGAN 1/2 ST LOS ALAMITOS	AIR-DIST-CA	Listed	0.22 S	-3
43 Maps: 1, 2, 4	143575-SC NEW CINGULAR WIRELESS PCS, AT&T MOBILITY	10652 REAGAN 1/2 ST LOS ALAMITOS	AIR-DIST-CA	Listed	0.22 S	-3
43 Maps: 1, 2, 4	204720 LOS ALAMITOS UNIFIED SCHOOL DISTRICT	10652 REAGAN LOS ALAMITOS	CRSP-CA	Listed	0.22 S	-3

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43 Maps: 1, 2, 4	7434043 LOS ALAMITOS USD MAINT. Y	10652 REAGAN LOS ALAMITOS	Hist-HWS-CA	Listed	0.22 S	-3
43 Maps: 1, 2, 4	T0605901728 LOS ALAMITOS UNIFIED SCHOOL DISTRICT	10652 REAGAN LOS ALAMITOS	LUST-Closed-CA	Completed - Case Closed	0.22 S	-3
43 Maps: 1, 2, 4	10447039 AT&T Mobility - LOS ALAMITOS OVLY 11995	10652 1/2 Reagan St Los Alamitos	CERS-CA	Listed	0.22 S	-3
43 Maps: 1, 2, 4	95093 AT&T Mobility - LOS ALAMITOS OVLY USID11995	10652 1/2 REAGAN ST LOS ALAMITOS	CRSP-CA	Listed	0.22 S	-3
43 Maps: 1, 2, 4	CAL000425190 AT&T MOBILITY	10652 1/2 REAGAN ST LOS ALAMITOS	RCRA-NON-US	Listed	0.22 S	-3
44 Maps: 1, 2, 4	10538746 NORMS AUTOMOTIVE CENTER INC A	3441 SAUSALITO ST LOS ALAMITOS	CERS-CA	Listed	0.23 SW	-3
44 Maps: 1, 2, 4	FA0026666-ORG NORMS AUTOMOTIVE CENTER INC A	3441 SAUSALITO ST LOS ALAMITOS	County-Others-CA	Listed	0.23 SW	-3
44 Maps: 1, 2, 4	415315 NORMS AUTOMOTIVE CENTER, INC.	3441 SAUSALITO ST LOS ALAMITOS	CRSP-CA	Listed	0.23 SW	-3
45 Maps: 1, 2, 4	60786-SC MORGANS CLEANERS	3335 CERRITOS LOS ALAMITOS	AIR-DIST-CA	Listed	0.23 W	0
46 Maps: 1, 2, 4	29875-SC MONTE COLLINS BACKHOE & EQUIP INC	3342 CERRITOS LOS ALAMITOS	AIR-DIST-CA	Listed	0.23 W	0
46 Maps: 1, 2, 4	226077 MONTE COLLINS BACKHOE	3342 CERRITOS LOS ALAMITOS	CRSP-CA	Listed	0.23 W	0
46 Maps: 1, 2, 4	T0605902252 MONTE COLLINS BACKHOE	3342 CERRITOS LOS ALAMITOS	LUST-Closed-CA	Completed - Case Closed	0.23 W	0

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47 Maps: 1, 2, 4	223730 AEROMOTORS	10650 LOS ALAMITOS LOS ALAMITOS	CRSP-CA	Listed	0.24 SW	-3
47 Maps: 1, 2, 4	T0605900972 AEROMOTORS	10650 LOS ALAMITOS LOS ALAMITOS	ENF-CA	Listed	0.24 SW	-3
47 Maps: 1, 2, 4	1585965 AERO MOTORS	10650 LOS ALAMITOS LOS ALAMITOS	Hist-HWS-CA	Listed	0.24 SW	-3
47 Maps: 1, 2, 4	1281128 AEROMOTORS	10650 LOS ALAMITOS LOS ALAMITOS	Hist-Regional-Other-CA	Listed	0.24 SW	-3
47 Maps: 1, 2, 4	T0605900972 AEROMOTORS	10650 LOS ALAMITOS LOS ALAMITOS	LUST-Closed-CA	Completed - Case Closed	0.24 SW	-3
47 Maps: 1, 2, 4	CAD981434889 LEW WEBBS AERO MOTORS	10650 LOS ALAMITOS LOS ALAMITOS	RCRA-SQG-US	Listed	0.24 SW	-3
48 Maps: 1, 2, 4	10565506 SIR SPEEDY	3627 SERPENTINE DR LOS ALAMITOS	CERS-CA	Listed	0.24 S	-1
49 Maps: 1, 2, 4	496090-PD LOS ALAMITOS MOWER & SAW	3325 CERRITOS AVE LOS ALAMITOS	Hist-Auto Repair	Listed	0.24 W	0
49 Maps: 1, 2, 4	249856 LOS ALAMITOS MOWER & SAW	3325 CERRITOS AVE LOS ALAMITOS	Hist-CalFID-CA	Listed	0.24 W	0
50 Maps: 1, 2, 4	10671535 Norm's Automotive Center, Inc.	3432 Sausalito St Los Alamitos	CERS-CA	Listed	0.24 SW	-4
50 Maps: 1, 2, 4	FA0068162-ORG NORMS AUTOMOTIVE CENTER	3432 SAUSALITO ST LOS ALAMITOS	County-Others-CA	Listed	0.24 SW	-4
50 Maps: 1, 2, 4	432207 Norm's Automotive Center, Inc.	3432 SAUSALITO ST LOS ALAMITOS	CRSP-CA	Listed	0.24 SW	-4
50 Maps: 1, 2, 4	525280-PD NORMS AUTOMOTIVE SVC	3432 SAUSALITO ST LOS ALAMITOS	Hist-Auto Repair	Listed	0.24 SW	-4

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MAP ID	ID/SITE NAME	ADDRESS	DATABASE	STATUS	DISTANCE (MILES)	ELEV DIFF (FEET)
50 Maps: 1, 2, 4	CAD981682834 NORMS AUTOMOTIVE SVC	3432 SAUSALITO ST LOS ALAMITOS	RCRA-SQG-US	Listed	0.24 SW	-4
51 Maps: 1, 2, 4	CAD982359523 VELSICOL CHEMICAL CO	3342 CERRITOS AVE LOS ALAMITOS	CERCLIS-Archived-US	NFRAP-Site does not qualify for the NPL based on existing information	0.24 W	-3
51 Maps: 1, 2, 4	RO0002828-ORG MONTE COLLINS BACKHOE	3342 CERRITOS AVE LOS ALAMITOS	County-LUST-Closed-CA	Closed	0.24 W	-3
51 Maps: 1, 2, 4	420294 Monte Collins Property	3342 CERRITOS AVENUE LOS ALAMITOS	CRSP-CA	Listed	0.24 W	-3
51 Maps: 1, 2, 4	T10000010252 Monte Collins Property	3342 Cerritos Avenue Los Alamitos	ENF-CA	Listed	0.24 W	-3
51 Maps: 1, 2, 4	30280378 VELSICOL CHEMICAL COMPANY	3342 CERRITOS AVENUE LOS ALAMITOS	Eval-Hist-Other-CA	Refer: Other Agency	0.24 W	-3
51 Maps: 1, 2, 4	30280378 VELSICOL CHEMICAL COMPANY	3342 CERRITOS AVENUE LOS ALAMITOS	Historical-CA	Listed	0.24 W	-3
51 Maps: 1, 2, 4	T10000010252 Monte Collins Property	3342 Cerritos Avenue Los Alamitos	SLIC-Open-CA	Open - Site Assessment	0.24 W	-3
52 Maps: 1, 2, 4	CAC002977733 GRETCHEN ELY	10321 HUMBOLT ST LOS ALAMITOS	RCRA-NON-US	Listed	0.25 E	-1
53 Maps: 1, 2, 4	3203401 1X MILLIE AND SEVERSON INCORPORATED	3601 SERPENTINE DR LOS ALAMITOS	Hist-CalFID-CA	Listed	0.25 S	-4
53 Maps: 1, 2, 4	249473 MILLIE AND SEVERSON INCORPORA	3601 SERPENTINE DRIVE LOS ALAMITOS	Hist-UST-CA	Listed	0.25 S	-4
53 Maps: 1, 2, 4	3203401 MILLIE & SEVERSON INC	3601 SERPENTINE LOS ALAMITOS	Hist-USTReg-CA	Listed	0.25 S	-4

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MAP ID	ID/SITE NAME	ADDRESS	DATABASE	STATUS	DISTANCE (MILES)	ELEV DIFF (FEET)
54 Maps: 1, 4	RO0002973-ORG LOS ALAMITOS UNIFIED SCHOOL DISTRICT	10652 REAGAN ST LOS ALAMITOS	County-LUST-Closed-CA	Closed	0.25 SE	-1
55 Maps: 1, 4	T10000008413 Cottonwood Church	3311 Sausalito Street Los Alamitos	SLIC-Open-CA	Open - Assessment & Interim Remedial Action	0.29 SW	-3
56 Maps: 1, 4	RO0002519-ORG BARR LUMBER	10742 LOS ALAMITOS BLVD LOS ALAMITOS	County-LUST-Closed-CA	Closed	0.31 S	-2
57 Maps: 1, 4	RO0001269-ORG SOUTHERN CALIFORNIA TRANSPORT	10722 REAGAN ST LOS ALAMITOS	County-LUST-Closed-CA	Closed	0.32 S	-2
57 Maps: 1, 4	T0605901767 B AND F BOX AND LUMBER SITE	10722 REAGAN ST LOS ALAMITOS	LUST-Closed-CA	Completed - Case Closed	0.32 S	-2
58 Maps: 1, 4	9060596175 Dexter Permag	10631 Humbolt St Los Alamitos	ALLFACS-IL	Listed	0.33 SE	-3
59 Maps: 1, 4	T0605901117 BARR LUMBER	10742 LOS ALAMITOS LOS ALAMITOS	LUST-Closed-CA	Completed - Case Closed	0.34 S	-4
60 Maps: 1, 4	RO0002571-ORG L & S PROPERTY MANAGEMENT	10621 BLOOMFIELD ST LOS ALAMITOS	County-LUST-Closed-CA	Closed	0.37 SE	-1
61 Maps: 1, 4	RO0002119-ORG MOBIL #18-GQ0	3971 CERRITOS AVE LOS ALAMITOS	County-LUST-Closed-CA	Closed	0.38 E	0
62 Maps: 1, 4	T060593213 MOBIL #18-GQ0	3971 CERRITOS LOS ALAMITOS	LUST-Closed-CA	Completed - Case Closed	0.39 E	-2
63 Maps: 1, 4	T0603701893 VOL ARCO/ BIXBY LAND COMPANY	3398 NORWALK BLVD LONG BEACH	LUST-Closed-CA	Completed - Case Closed	0.43 N	-1
64 Maps: 1, 4	9060596969 Trend Offset Printing	3791 Catalina St Los Alamitos	ALLFACS-IL	Listed	0.43 SE	-5
65 Maps: 1, 4	T0605900167 L & S PROPERTY MANAGEMENT	10621 BLOOMFIELD LOS ALAMITOS	LUST-Closed-CA	Completed - Case Closed	0.43 SE	-3

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MAP ID	ID/SITE NAME	ADDRESS	DATABASE	STATUS	DISTANCE (MILES)	ELEV DIFF (FEET)
66 Maps: 1, 4	SL204BF1760 EL DORADO CLEANER	8171 WARDLOW LONG BEACH	SLIC-Open-CA	Open - Remediation	0.44 N	-13
67 Maps: 1, 4	T0603701880 MOBIL #11-GN1	8090 WARDLOW RD E LONG BEACH	LUST-Closed-CA	Completed - Case Closed	0.45 N	0
67 Maps: 1, 4	T0603715443 CIRCLE K STORE #2211134 (FORMER MOBIL #18-GN1)	8090 WARDLOW RD. E. LONG BEACH	LUST-Open-CA	Open - Eligible for Closure	0.45 N	0
68 Maps: 1, 4	T0603701887 TEXACO (FORMER)	3401 NORWALK BLVD LONG BEACH	LUST-Closed-CA	Completed - Case Closed	0.46 N	-1
69 Maps: 1, 4	RO0002030-ORG OROWHEAT	10751 BLOOMFIELD ST LOS ALAMITOS	County-LUST-Closed-CA	Closed	0.47 SE	-2
70 Maps: 1, 4	T0605957462 OROWHEAT	10751 BLOOMFIELD LOS ALAMITOS	LUST-Closed-CA	Completed - Case Closed	0.48 SE	-3
71 Maps: 1, 4	CAD066177783 SAFETY KLEEN CORP 7 088 05	3876 FLORISTA ST LOS ALAMITOS	RCRA-COR-US	Listed	0.6 SE	-4
A1 Maps: 7	97 AFRC Los Alamitos	Not Reported by Agency	Military-Bases-US	Listed	0.88 S	N/A
A2 Maps: 7	124 Long Beach Regional Med Ctr	Not Reported by Agency	Military-Bases-US	Listed	0.96 NW	N/A

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POTENTIAL AREAS OF CONCERN/CONTAMINATION SUMMARY

DATABASE SEARCHED	SUBJECT SITE WITHIN POTENTIAL AREA OF CONCERN	AREAS FOUND WITHIN 1-MILE RADIUS
NPL-R9-US	No	0
MethaneLF-CA	No	0
LA-LF-CA	No	0
Military-Bases-US	No	2
SGV-Deep-Plumes-CA	No	0
SGV-Shallow-Plumes-Puente-Valley-CA	No	0
SGV-Shallow-Plumes-CA	No	0

DATABASE OCCURRENCE SUMMARY

HIGH RISK* OCCURRENCES IDENTIFIED IN REQUESTED SEARCH RADIUS		
DATABASE SEARCHED	DISTANCE SEARCHED (MILES)	HIGH RISK OCCURRENCES FOUND
CERCLIS-US	0.5	0
CorAct-Open-CA	0.5	0
County-LUST-Open-CA	0.5	2
County-SLIC-Open-CA	0.5	0
Eval-Hist-Active-CA	0.5	0
Hist-UST-Cleanup-CA	0.5	0
LUST-Open-CA	0.5	3
Military-Active-CA	1	0
NPL-US	1	0
Proposed-NPL-US	1	0
Response-CA	1	0
SAA-Agreements-US	1	0
School-Active-CA	0.5	0
SLIC-Open-CA	0.5	3
State-Response-Active-CA	1	0
Superfund-Active-CA	1	0
Tribal-LUST-Open-Reg9	0.5	0
VCP-Active-CA	0.5	0

* For the purposes of this report, “high risk” occurrences are those that have known contamination and have not received a “case closed” or “no further action” status from the agency that maintains the records.

ASTM/AAI STANDARD RECORD SOURCES SUMMARY				
STANDARD ENVIRONMENTAL RECORD SOURCES	ASTM MIN. SEARCH DIST. / ERS SEARCH DIST. (MILES)	ERS DATABASE NAME	TOTAL LISTINGS	MAP ID #’S
Federal NPL site list	1.0 / 1.0	NPL-US	0	None Listed
		Proposed-NPL-US	0	None Listed

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Federal Delisted NPL site list	0.5 / 1.0	Delisted-NPL-US	0	None Listed
Federal CERCLIS list	0.5 / 0.5	CERCLIS-US	0	None Listed
Federal CERCLIS NFRAP site list	0.5 / 0.5	CERCLIS-Archived-US	1	51
Federal RCRA CORRACTS facilities list	1.0 / 1.0	RCRA-COR-US	1	71
Federal RCRA non-CORRACTS TSD facilities list	0.5 / 0.5	RCRA-TSDF-US	0	None Listed
Federal RCRA generators list	Property and adjoining properties / 0.25	RCRA-CESQG-US	0	None Listed
		RCRA-LQG-US	0	None Listed
		RCRA-NON-US	12	17, 20, 27, 29, 30, 32, 34, 37, 38, 39, 43, 52
		RCRA-SQG-US	8	4, 8, 18, 22, 24, 35, 47, 50
Federal Inst/Eng control registries	Property Only / 0.25	Controls-RCRA-US	0	None Listed
		Controls-US	0	None Listed
		Hist-US-EC	0	None Listed
		Hist-US-IC	0	None Listed
		LIENS-US	0	None Listed
Federal ERNS list	Property Only / 0.0625	ERNS-US	0	None Listed
State and Tribal-Equivalent NPL	1.0 / 1.0	Response-CA	0	None Listed
		State-Response-Active-CA	0	None Listed
		State-Response-NFA-CA	0	None Listed
		State-Response-Other-CA	0	None Listed
State and Tribal-Equivalent CERCLIS	0.5 / 0.5	Superfund-Active-CA	0	None Listed
		Superfund-NFA-CA	0	None Listed
		Superfund-Other-CA	0	None Listed
State and Tribal landfill and/or solid waste disposal sites	0.5 / 0.5	County-SWF-CA	0	None Listed
		Debris-US	0	None Listed
		Hist-Dumps-US	0	None Listed
		Land-Disposal-CA	0	None Listed
		SWIS-CA	0	None Listed
		SWLF-US	0	None Listed
		Tribal-ODI-US	0	None Listed
State and Tribal Leaking Storage Tank Lists	0.5 / 0.5	County-LUST-CA	0	None Listed
		County-LUST-Closed-CA	15	3, 3, 13, 20, 23, 27, 41, 42, 51, 54, 56, 57, 60, 61, 69

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		County-LUST-Open-CA	2	2, 19
		Hist-UST-Cleanup-CA	0	None Listed
		LUST-Closed-CA	16	7, 11, 23, 35, 42, 43, 46, 47, 57, 59, 62, 63, 65, 67, 68, 70
		LUST-Open-CA	3	6, 15, 67
		Tribal-LUST-Closed-Reg9	0	None Listed
		Tribal-LUST-Open-Reg9	0	None Listed
State and Tribal Registered Storage Tank Lists	Property and adjoining properties / 0.25	AST-CA	0	None Listed
		AST-CRSP-CA	0	None Listed
		City-AST-CA	0	None Listed
		City-UST-CA	0	None Listed
		County-AST-CA	0	None Listed
		County-UST-CA	0	None Listed
		FEMA-UST-US	0	None Listed
		Hist-UST-CA	9	7, 13, 14, 14, 23, 34, 41, 42, 53
		Tribal-UST-Reg9	0	None Listed
		UST-Abandoned-CA	0	None Listed
		UST-CA	0	None Listed
		UST-Closed-CA	0	None Listed
		USTComp-CA	0	None Listed
		UST-CRSP-CA	0	None Listed
		UST-Priority-CA	1	19
		UST-Proposed-CA	0	None Listed
State and Tribal Inst/Eng Control Registries	Property Only / 0.5	Controls-CA	0	None Listed
		Deed-CA	0	None Listed
		Hist-Controls-CA	0	None Listed
		HWMP-Controls-CA	0	None Listed
		Liens-CA	0	None Listed
State and Tribal Voluntary Cleanup Sites	0.5 / 0.5	Military-Active-CA	0	None Listed
		Military-NFA-CA	0	None Listed
		Military-Other-CA	0	None Listed
		School-Active-CA	0	None Listed
		School-NFA-CA	1	1
		School-Other-CA	0	None Listed
		Tribal-VCP-US	0	None Listed
		VCP-Active-CA	0	None Listed
		VCP-NFA-CA	0	None Listed
		VCP-Other-CA	0	None Listed
State and Tribal Brownfield Sites	0.5 / 0.5	BF-MOA-CA	0	None Listed
		BF-Tribal-US	0	None Listed

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FEDERAL ASTM/AAI DATABASES							
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
BF-Tribal-US	0.5	0	0	0	0	-	0
BF-US	0.5	0	0	0	0	-	0
CERCLIS-Archived-US	0.5	0	0	1	0	-	1
CERCLIS-US	0.5	0	0	0	0	-	0
Controls-RCRA-US	0.5	0	0	0	0	-	0
Controls-US	0.5	0	0	0	0	-	0
Debris-US	0.5	0	0	0	0	-	0
Delisted-NPL-US	1	0	0	0	0	0	0
ERNS-US	0.0625	0	0	-	-	-	0
FEMA-UST-US	0.25	0	0	0	-	-	0
FTTS-ENF-US	0.25	0	0	0	-	-	0
Hist-Dumps-US	0.5	0	0	0	0	-	0
Hist-US-EC	0.5	0	0	0	0	-	0
Hist-US-IC	0.5	0	0	0	0	-	0
HMIS-US	0.0625	0	0	-	-	-	0
LIENS-US	0.0625	0	0	-	-	-	0
NPL-US	1	0	0	0	0	0	0
PADS-US	0.0625	0	0	-	-	-	0
PCB-US	0.25	0	0	0	-	-	0
Proposed-NPL-US	1	0	0	0	0	0	0
RCRA-CESQG-US	0.25	0	0	0	-	-	0
RCRA-COR-US	1	0	0	0	0	1	1
RCRA-LQG-US	0.25	0	0	0	-	-	0
RCRA-NON-US	0.25	0	2	10	-	-	12
RCRA-SQG-US	0.25	0	4	4	-	-	8
RCRA-TSDF-US	0.5	0	0	0	0	-	0
SAA-Agreements-US	1	0	0	0	0	0	0
SWLF-US	0.5	0	0	0	0	-	0
Tribal-LUST-Closed-Reg9	0.5	0	0	0	0	-	0
Tribal-LUST-Open-Reg9	0.5	0	0	0	0	-	0
Tribal-ODI-US	0.5	0	0	0	0	-	0
Tribal-UST-Reg9	0.25	0	0	0	-	-	0
Tribal-VCP-US	0.5	0	0	0	0	-	0

STATE ASTM/AAI DATABASES							
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
AST-CA	0.25	0	0	0	-	-	0
AST-CRSP-CA	0.25	0	0	0	-	-	0
BF-MOA-CA	0.5	0	0	0	0	-	0
BZ-HazWaste-CA	0.5	0	0	0	0	-	0
CERS-CA	0.25	1	0	9	-	-	10
CHMIRS-CA	0.0625	0	0	-	-	-	0
City-AST-CA	0.25	0	0	0	-	-	0
City-CUPA-CA	0.25	0	0	0	-	-	0
City-Others-CA	0.25	0	0	0	-	-	0
City-UST-CA	0.25	0	0	0	-	-	0
Controls-CA	0.5	0	0	0	0	-	0
CorAct-Closed-CA	0.5	0	0	0	0	-	0
CorAct-Open-CA	0.5	0	0	0	0	-	0

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STATE ASTM/AAI DATABASES

DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
CorAct-Other-CA	0.5	0	0	0	0	-	0
CORTESE-CA	0.25	0	0	0	-	-	0
County-AST-CA	0.25	0	0	0	-	-	0
County-Hist-CA	0.25	0	0	0	-	-	0
County-LUST-CA	0.5	0	0	0	0	-	0
County-LUST-Closed-CA	0.5	0	5	5	5	-	15
County-LUST-Open-CA	0.5	0	2	0	0	-	2
County-Others-CA	0.25	0	0	8	-	-	8
County-SLIC-Closed-CA	0.25	0	0	0	-	-	0
County-SLIC-Open-CA	0.5	0	0	0	0	-	0
County-SML-CA	0.5	0	0	0	0	-	0
County-SWF-CA	0.5	0	0	0	0	-	0
County-UST-CA	0.25	0	0	0	-	-	0
CRSP-CA	0.25	2	6	12	-	-	20
CUPA-CA	0.25	0	0	0	-	-	0
Deed-CA	0.5	0	0	0	0	-	0
ENF-CA	0.25	0	5	3	-	-	8
ENF-SMARTS-CA	0.25	0	0	0	-	-	0
ENF-Wastewater-CA	0.25	0	0	0	-	-	0
Eval-Hist-Active-CA	0.5	0	0	0	0	-	0
Eval-Hist-NFA-CA	0.5	0	0	0	0	-	0
Eval-Hist-Other-CA	0.5	0	0	1	0	-	1
HazWaste-CA	0.25	0	0	0	-	-	0
Hist-Controls-CA	0.5	0	0	0	0	-	0
Hist-Cort-CA	0.25	0	0	0	-	-	0
HIST-R4-CA	0.25	0	0	0	-	-	0
HIST-SLIC-CV-CLOSED-CA	0.5	0	0	0	0	-	0
HIST-SLIC-CV-OPEN-CA	0.5	0	0	0	0	-	0
Hist-UST-CA	0.25	0	5	4	-	-	9
Hist-UST-Cleanup-CA	0.5	0	0	0	0	-	0
Hist-WIP-Active-CA	0.5	0	0	0	0	-	0
Hist-WIP-Backlog-CA	0.5	0	0	0	0	-	0
Hist-WIP-Historical-CA	0.5	0	0	0	0	-	0
HWIS-CA	0.0625	0	0	-	-	-	0
HWMP-Controls-CA	0.5	0	0	0	0	-	0
ICE-CA	0.25	0	0	0	-	-	0
Land-Disposal-CA	0.5	0	0	0	0	-	0
Liens-CA	0.0625	0	0	-	-	-	0
LUST-Closed-CA	0.5	0	3	5	8	-	16
LUST-Open-CA	0.5	0	2	0	1	-	3
Manifest2-RI	0.0625	0	0	-	-	-	0
Military-Active-CA	1	0	0	0	0	0	0
Military-NFA-CA	0.5	0	0	0	0	-	0
Military-Other-CA	1	0	0	0	0	0	0
PR-MOA-CA	0.25	0	0	0	-	-	0
Response-CA	1	0	0	0	0	0	0
School-Active-CA	0.5	0	0	0	0	-	0
School-NFA-CA	0.5	1	0	0	0	-	1
School-Other-CA	0.5	0	0	0	0	-	0
SLIC-Closed-CA	0.5	0	0	0	0	-	0
SLIC-Open-CA	0.5	0	0	1	2	-	3
SML-CA	0.5	0	0	0	0	-	0
State-Response-Active-CA	1	0	0	0	0	0	0
State-Response-NFA-CA	0.5	0	0	0	0	-	0
State-Response-Other-CA	0.5	0	0	0	0	-	0

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STATE ASTM/AAI DATABASES

DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
Superfund-Active-CA	1	0	0	0	0	0	0
Superfund-NFA-CA	1	0	0	0	0	0	0
Superfund-Other-CA	1	0	0	0	0	0	0
SWIS-CA	0.5	0	0	0	0	-	0
SWRCY-CA	0.5	0	0	0	0	-	0
UST-Abandoned-CA	0.25	0	0	0	-	-	0
UST-CA	0.25	0	0	0	-	-	0
UST-Closed-CA	0.25	0	0	0	-	-	0
USTComp-CA	0.25	0	0	0	-	-	0
UST-CRSP-CA	0.25	0	0	0	-	-	0
UST-Priority-CA	0.5	0	1	0	0	-	1
UST-Proposed-CA	0.25	0	0	0	-	-	0
VCP-Active-CA	0.5	0	0	0	0	-	0
VCP-NFA-CA	0.5	0	0	0	0	-	0
VCP-Other-CA	0.5	0	0	0	0	-	0

SUPPLEMENTAL DATABASES

DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
Air-CA	0.25	0	0	0	-	-	0
AIR-DIST-CA	0.25	1	12	9	-	-	22
ALLFACS-IL	0.5	0	0	1	2	-	3
BioFuel-US	0.25	0	0	0	-	-	0
CAF-CA	0.25	0	0	0	-	-	0
CDL-CA	0.0625	0	0	-	-	-	0
CDL-US	0.0625	0	0	-	-	-	0
CHWF-CA	0.5	0	0	0	0	-	0
Cleaners-CA	0.25	0	0	1	-	-	1
Coal-Ash-Dams-US	0.5	0	0	0	0	-	0
County-BI-CA	0.25	0	0	0	-	-	0
Dams-CA	0.25	0	0	0	-	-	0
DPR-CA	0.25	0	0	0	-	-	0
DryCleaners-CA	0.25	0	0	0	-	-	0
EGRID-US	0.5	0	0	0	0	-	0
EPA-Watch-List-US	0.25	0	0	0	-	-	0
FA-HW-CA	0.0625	0	0	-	-	-	0
FA-HW-US	0.0625	0	0	-	-	-	0
FA-SWF-CA	0.0625	0	0	-	-	-	0
FRS-US	0.0625	1	0	-	-	-	1
FTTS-INSP-US	0.0625	0	0	-	-	-	0
FUDS-US	1	0	0	0	0	0	0
FUSRAP-US	0.25	0	0	0	-	-	0
Haulers-CA	0.0625	0	0	-	-	-	0
Hist-AFS2-US	0.25	0	0	0	-	-	0
Hist-AFS-US	0.25	0	0	0	-	-	0
Hist-AST-CA	0.25	0	0	0	-	-	0
Hist-AWS-CA	0.25	0	0	0	-	-	0
Hist-CA	0.0625	2	0	-	-	-	2
Hist-CalFID-CA	0.25	0	2	6	-	-	8
Hist-CALSITES-CA	0.25	0	0	0	-	-	0
Hist-CERCLIS-NFRAP-US	0.25	0	0	0	-	-	0
Hist-CERCLIS-US	0.25	0	0	0	-	-	0
Hist-City-UST-CA	0.25	0	0	0	-	-	0

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SUPPLEMENTAL DATABASES

DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
Hist-Deed-CA	0.25	0	0	0	-	-	0
Hist-DTG-CA	0.25	0	0	0	-	-	0
Hist-ERNS-US	0.0625	0	0	-	-	-	0
Hist-FIFRA-US	0.25	0	0	0	-	-	0
Hist-FINDS-US	0.0625	0	0	-	-	-	0
Hist-HWS-CA	0.25	0	2	4	-	-	6
Hist-LUSTIS-CA	0.25	0	5	3	-	-	8
HIST-MLTS-US	0.25	0	0	0	-	-	0
HIST-MTBE-CA	0.25	0	0	0	-	-	0
Hist-NPL-US	0.25	0	0	0	-	-	0
Hist-Orange-County-LF-CA	0.25	0	0	0	-	-	0
Historical-CA	0.5	0	0	1	0	-	1
Hist-Prop65-CA	0.25	0	0	0	-	-	0
Hist-RCRIS-US	0.25	0	1	1	-	-	2
Hist-Regional-LUST-CA	0.25	0	0	0	-	-	0
Hist-Regional-Other-CA	0.25	0	4	2	-	-	6
Hist-Regional-SLIC-CA	0.25	0	0	0	-	-	0
Hist-Regional-Spills-CA	0.25	0	0	0	-	-	0
Hist-Regional-SWLF-CA	0.25	0	0	0	-	-	0
Hist-Regional-UST-CA	0.25	0	4	2	-	-	6
Hist-SCL-CA	0.25	0	0	0	-	-	0
Hist-SWIS-CA	0.25	0	0	1	-	-	1
Hist-ToxicPits-CA	0.25	0	0	0	-	-	0
Hist-TRIS-US	0.25	0	0	0	-	-	0
Hist-US	0.0625	0	0	-	-	-	0
Hist-USGS-WaterWells-CA	0.0625	0	0	-	-	-	0
Hist-USTReg-CA	0.25	0	0	1	-	-	1
Hist-WaterWells-US	0.0625	0	0	-	-	-	0
Hist-WMUDS-CA	0.25	0	0	1	-	-	1
HWT-CA	0.25	0	0	2	-	-	2
ICIS-Air-US	0.0625	0	0	-	-	-	0
ICIS-FEC-US	0.0625	0	0	-	-	-	0
ICIS-NPDES-US	0.0625	0	0	-	-	-	0
LA-Waste-Haulers-CA	0.0625	0	0	-	-	-	0
Lead-Smelter-2-US	0.25	0	0	0	-	-	0
Lead-US	0.25	0	0	0	-	-	0
LMOP-US	0.5	0	0	0	0	-	0
Mines2-CA	0.0625	0	0	-	-	-	0
Mines-CA	0.0625	0	0	-	-	-	0
Mines-CDMG-CA	0.0625	0	0	-	-	-	0
MINES-US	0.0625	0	0	-	-	-	0
MLTS-US	0.0625	0	0	-	-	-	0
Mortgage-CA	0.25	0	0	0	-	-	0
MRDS-US	0.25	0	0	0	-	-	0
MWMP-CA	0.25	0	0	0	-	-	0
NCI-CA	0.25	0	0	0	-	-	0
NEI-LF-CA	0.25	0	0	1	-	-	1
NPDES-CA	0.0625	0	0	-	-	-	0
NPDES-SW-CA	0.0625	2	0	-	-	-	2
OGM-CA	0.0625	0	0	-	-	-	0
OGW-CA	0.0625	0	0	-	-	-	0
OSCF-CA	0.5	0	0	0	0	-	0
PCS-US	0.25	0	0	0	-	-	0
Perch1-CA	0.25	0	0	0	-	-	0
Perch2-CA	0.25	0	0	0	-	-	0

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SUPPLEMENTAL DATABASES

DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
Project-CA	0.25	0	0	0	-	-	0
RADINFO-US	0.0625	0	0	-	-	-	0
RFG-Lab-US	0.25	0	0	0	-	-	0
RMP-US	0.0625	0	0	-	-	-	0
ROD-US	0.5	0	0	0	0	-	0
SDWIS-US	0.25	0	0	0	-	-	0
SP-CA	0.25	0	0	0	-	-	0
Spills-SSO-CA	0.25	0	0	0	-	-	0
SSTS-US	0.0625	0	0	-	-	-	0
TierPer-CA	0.25	0	0	0	-	-	0
TOMS-CA	0.0625	0	0	-	-	-	0
Tribal-Air-US	0.25	0	0	0	-	-	0
TRIS2000-US	0.0625	0	0	-	-	-	0
TRIS2010-US	0.0625	0	0	-	-	-	0
TRIS80-US	0.0625	0	0	-	-	-	0
TRIS90-US	0.0625	0	0	-	-	-	0
TSCA-US	0.0625	0	0	-	-	-	0
UIC2-CA	0.0625	0	0	-	-	-	0
UIC-CA	0.0625	0	0	-	-	-	0
UMTRA-US	0.0625	0	0	-	-	-	0
USGS-Waterwells-US	0.0625	0	0	-	-	-	0
Vapor-Intrusions-US	0.5	0	0	0	0	-	0
WDR-CA	0.25	0	0	0	-	-	0

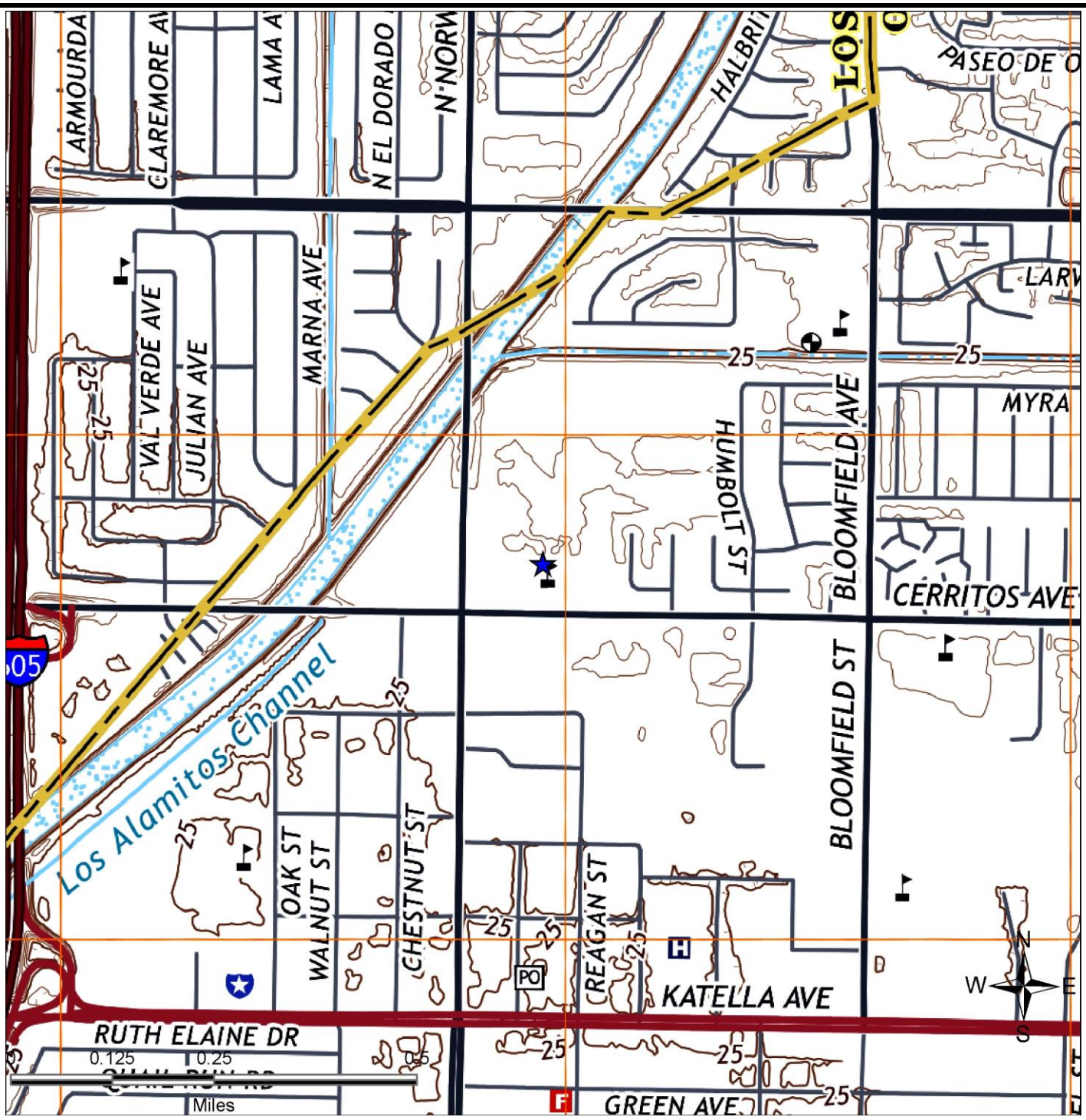
PROPRIETARY HISTORIC DATABASES

DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
Hist-Agriculture	0.0625	0	0	-	-	-	0
Hist-Auto Dealers	0.0625	0	0	-	-	-	0
Hist-Auto Repair	0.25	0	3	7	-	-	10
Hist-Chemical Manufacturing	0.0625	0	0	-	-	-	0
Hist-Chemical-Storage	0.0625	0	0	-	-	-	0
Hist-Cleaners	0.25	0	0	0	-	-	0
Hist-Convenience	0.0625	0	0	-	-	-	0
Hist-Disposal-Recycle	0.0625	0	0	-	-	-	0
Hist-Food-Processors	0.0625	0	0	-	-	-	0
Hist-Gun-Ranges	0.0625	0	0	-	-	-	0
Hist-Machine Shop	0.0625	0	0	-	-	-	0
Hist-Manufacturing	0.0625	0	0	-	-	-	0
Hist-Metal Plating	0.0625	0	0	-	-	-	0
Hist-Mining	0.0625	0	0	-	-	-	0
Hist-Mortuaries	0.0625	0	0	-	-	-	0
Hist-Oil-Gas	0.0625	0	0	-	-	-	0
Hist-OilGas-Refiners	0.0625	0	0	-	-	-	0
Hist-Other	0.0625	0	0	-	-	-	0
Hist-Paint-Stores	0.0625	0	0	-	-	-	0
Hist-Petroleum	0.0625	0	0	-	-	-	0
Hist-Post-Offices	0.0625	0	0	-	-	-	0
Hist-Printers	0.0625	0	0	-	-	-	0
Hist-Rental	0.0625	0	0	-	-	-	0
Hist-RV-Dealers	0.0625	0	0	-	-	-	0
Hist-Salvage	0.0625	0	0	-	-	-	0
Hist-Service Stations	0.25	0	0	0	-	-	0

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PROPRIETARY HISTORIC DATABASES							
DATABASE SEARCHED	**DISTANCE SEARCHED**	**SUBJECT SITE**	**0.125 MILES**	**0.25 MILES**	**0.5 MILES**	**1.0 MILES**	**TOTAL**
Hist-Steel-Metals	0.0625	0	0	-	-	-	0
Hist-Textile	0.0625	0	0	-	-	-	0
Hist-Transportation	0.0625	0	0	-	-	-	0
Hist-Trucking	0.0625	0	0	-	-	-	0
Hist-Vehicle-Parts	0.0625	0	0	-	-	-	0
Hist-Vehicle-Washing	0.0625	0	0	-	-	-	0

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SITE LOCATION TOPOGRAPHIC MAP

U.S. Geological Survey. Los Alamitos (2015-03-23) Quadrangle, 7.5 Minute Series

UltraSystems Environmental	3591 West Cerritos Avenue Los Alamitos, CA 90720	FIGURE: 1 JOB: 7018 DATE: 5/17/2019

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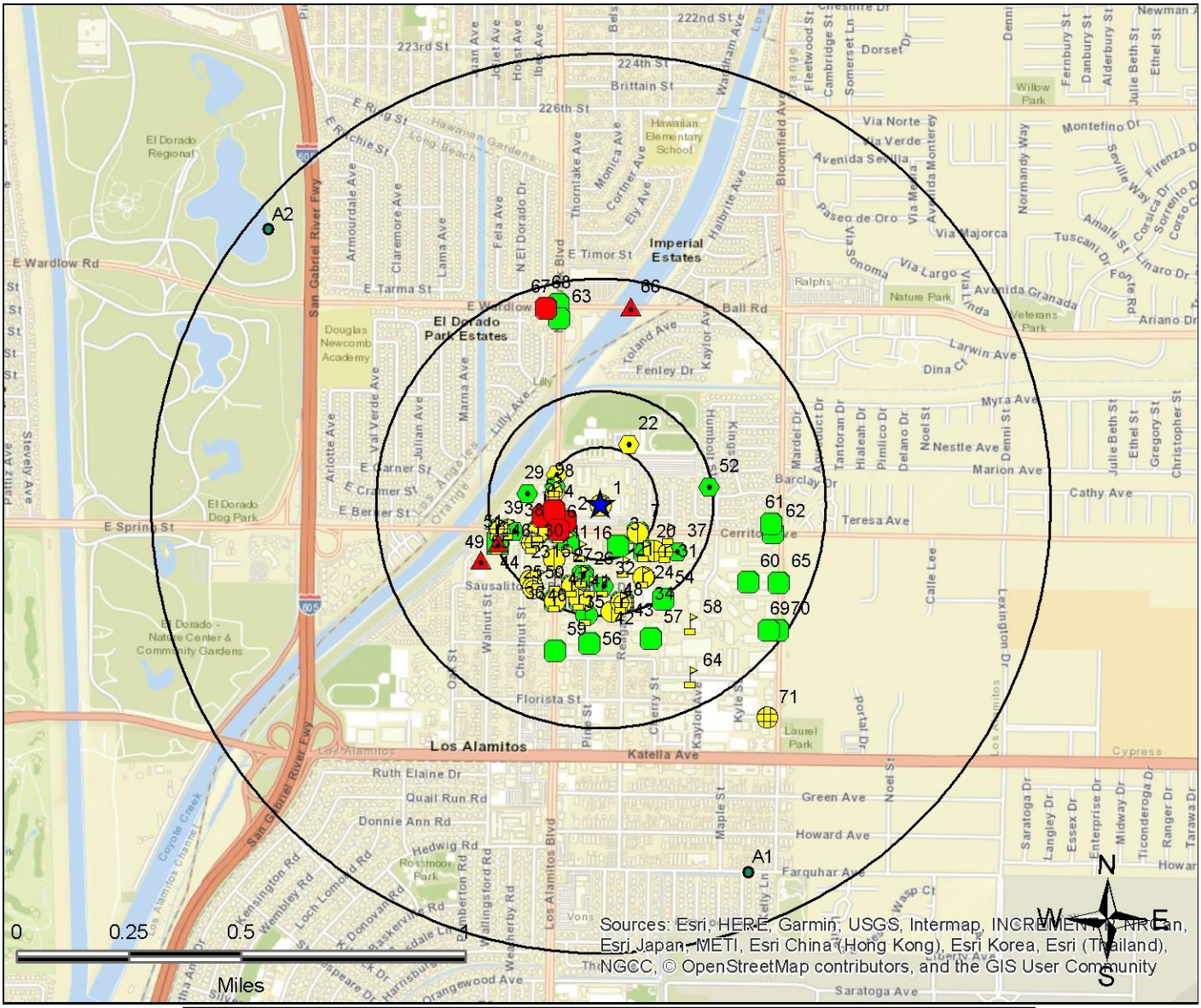


SITE LOCATION MAP

UltraSystems Environmental	3591 West Cerritos Avenue Los Alamitos, CA 90720	FIGURE: 2 JOB: 7018 DATE: 5/17/2019

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1-MILE RADIUS STREET MAP W/OCCURRENCES (MAP1)



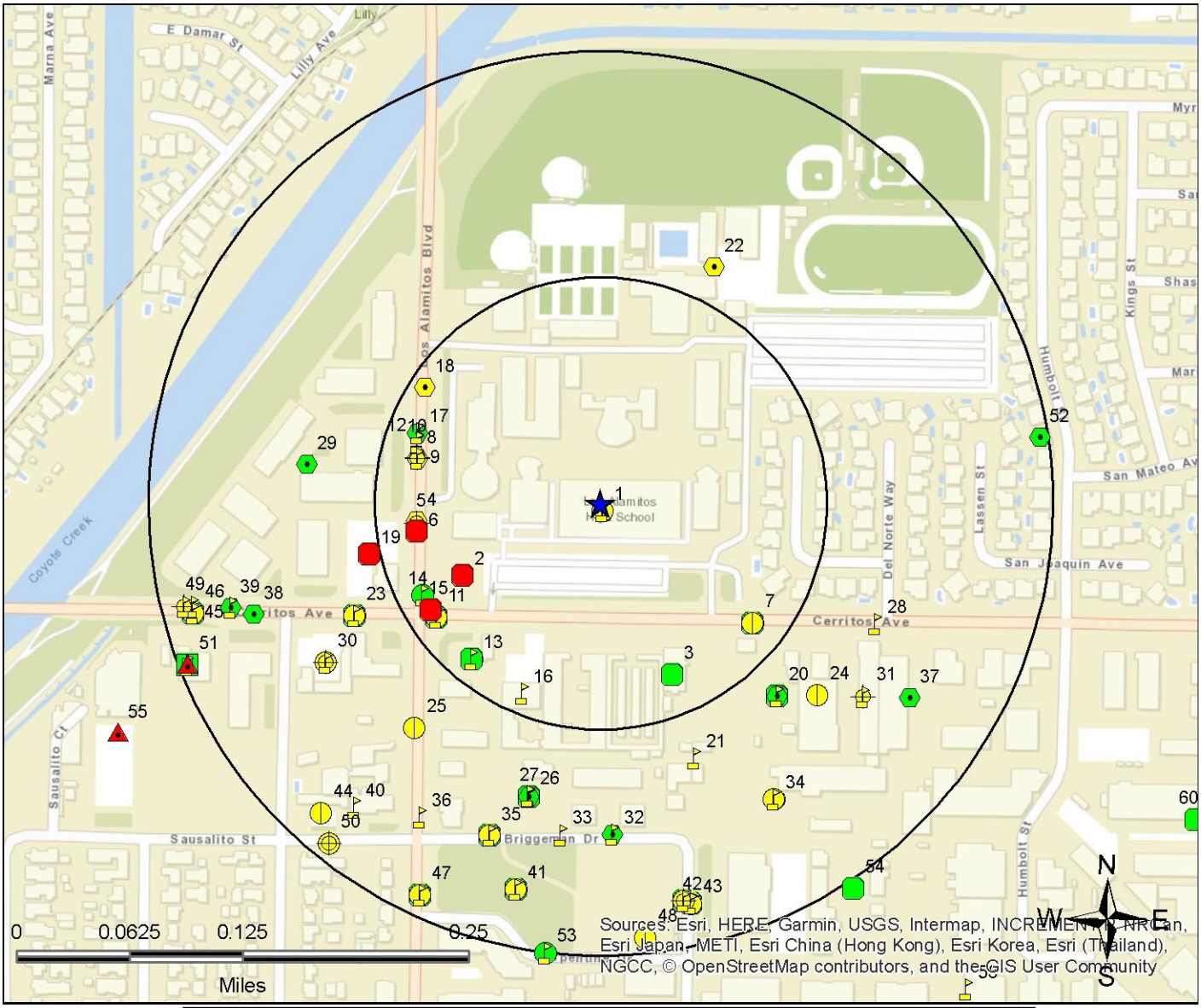
Legend

- Federal NPL
- Federal Delisted NPL
- Federal CERCLIS
- Federal CERCLIS NFRAP
- Federal LUST
- Federal RCRA CORRACTS
- Federal RCRA non-CORRACTS TSD
- Federal RCRA Generators
- Federal UST
- Federal Inst/Eng Controls
- Federal Brownfield
- Federal ERNS
- Federal Emergency Release Reports
- Emergency Release Reports
- State/Tribal NPL
- State/Tribal CERCLIS Equivalent
- State/Tribal LUST
- State/Tribal Voluntary Cleanup Sites
- State/Tribal UST
- State/Tribal Brownfield
- State/Tribal Inst/Eng Controls
- State/Tribal Landfill/Solid Waste
- State/Tribal RCRA Equivalent
- State/Tribal ASTM Other
- ERS Supplemental Govt Sources
- ERS Exclusive Historic Sources

All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

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0.25-MILE RADIUS STREET MAP W/OCCURRENCES (MAP2)



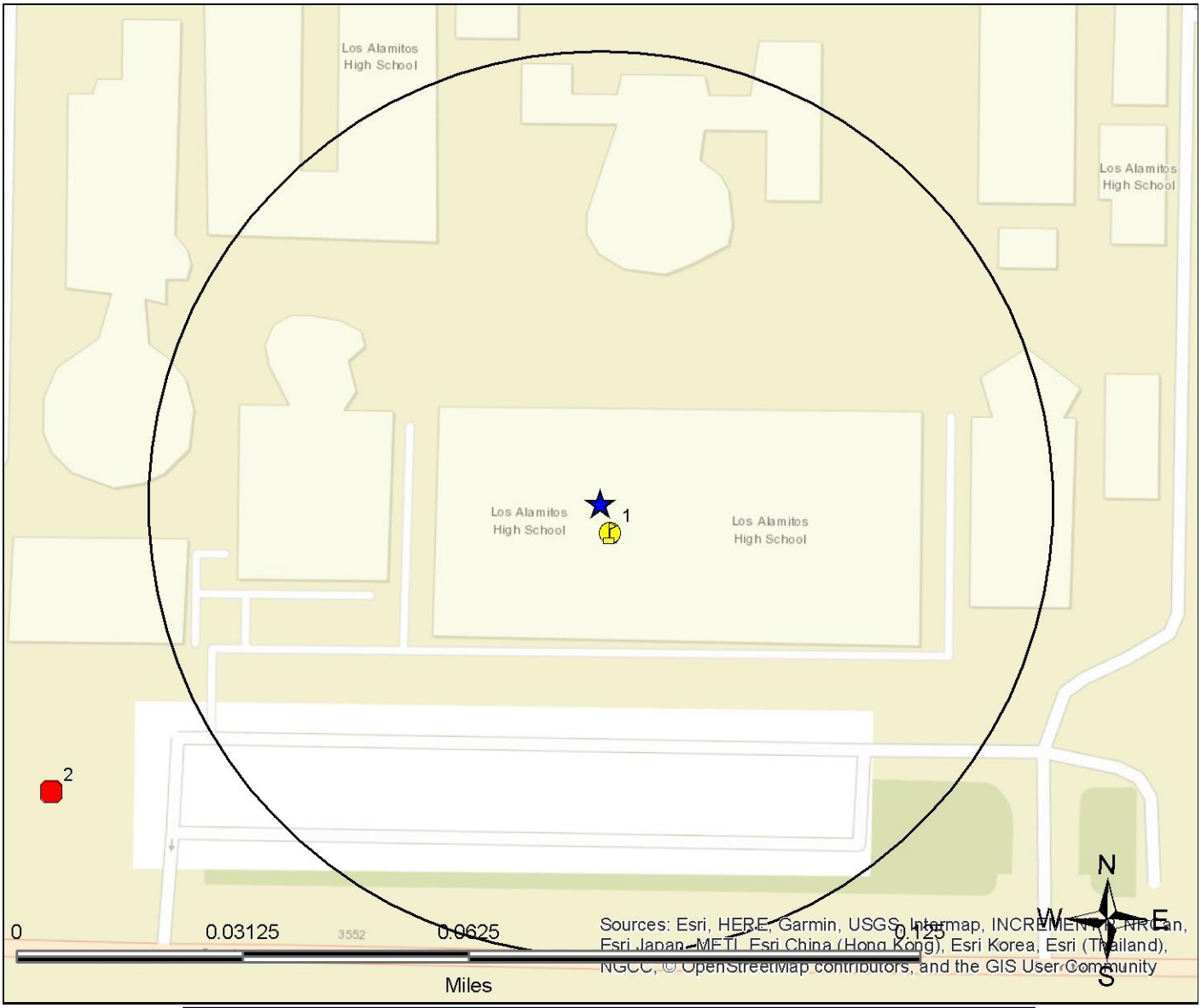
Legend

- Federal NPL
- Federal Delisted NPL
- Federal CERCLIS
- Federal CERCLIS NFRAP
- Federal LUST
- Federal RCRA CORRACTS
- Federal RCRA non-CORRACTS TSD
- Federal RCRA Generators
- Federal UST
- Federal Inst/Eng Controls
- Federal Brownfield
- Federal ERNS
- Federal Emergency Release Reports
- Emergency Release Reports
- State/Tribal NPL
- State/Tribal CERCLIS Equivalent
- State/Tribal LUST
- State/Tribal Voluntary Cleanup Sites
- State/Tribal UST
- State/Tribal Brownfield
- State/Tribal Inst/Eng Controls
- State/Tribal Landfill/Solid Waste
- State/Tribal RCRA Equivalent
- State/Tribal ASTM Other
- ERS Supplemental Govt Sources
- ERS Exclusive Historic Sources

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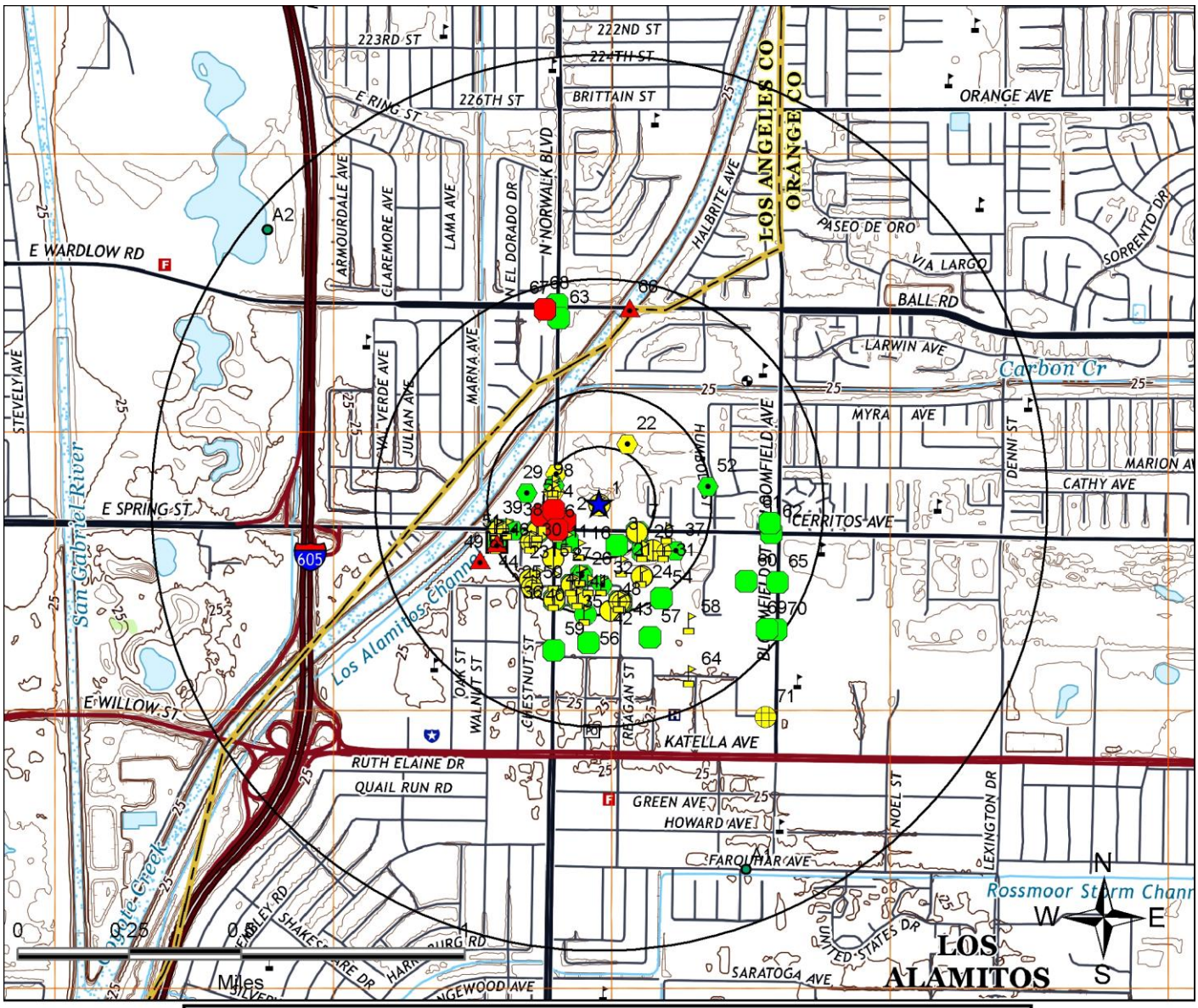
0.0625-MILE RADIUS STREET MAP W/ OCCURRENCES (MAP3)



All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

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1-MILE TOPOGRAPHIC MAP W/OCCURRENCES (MAP4)

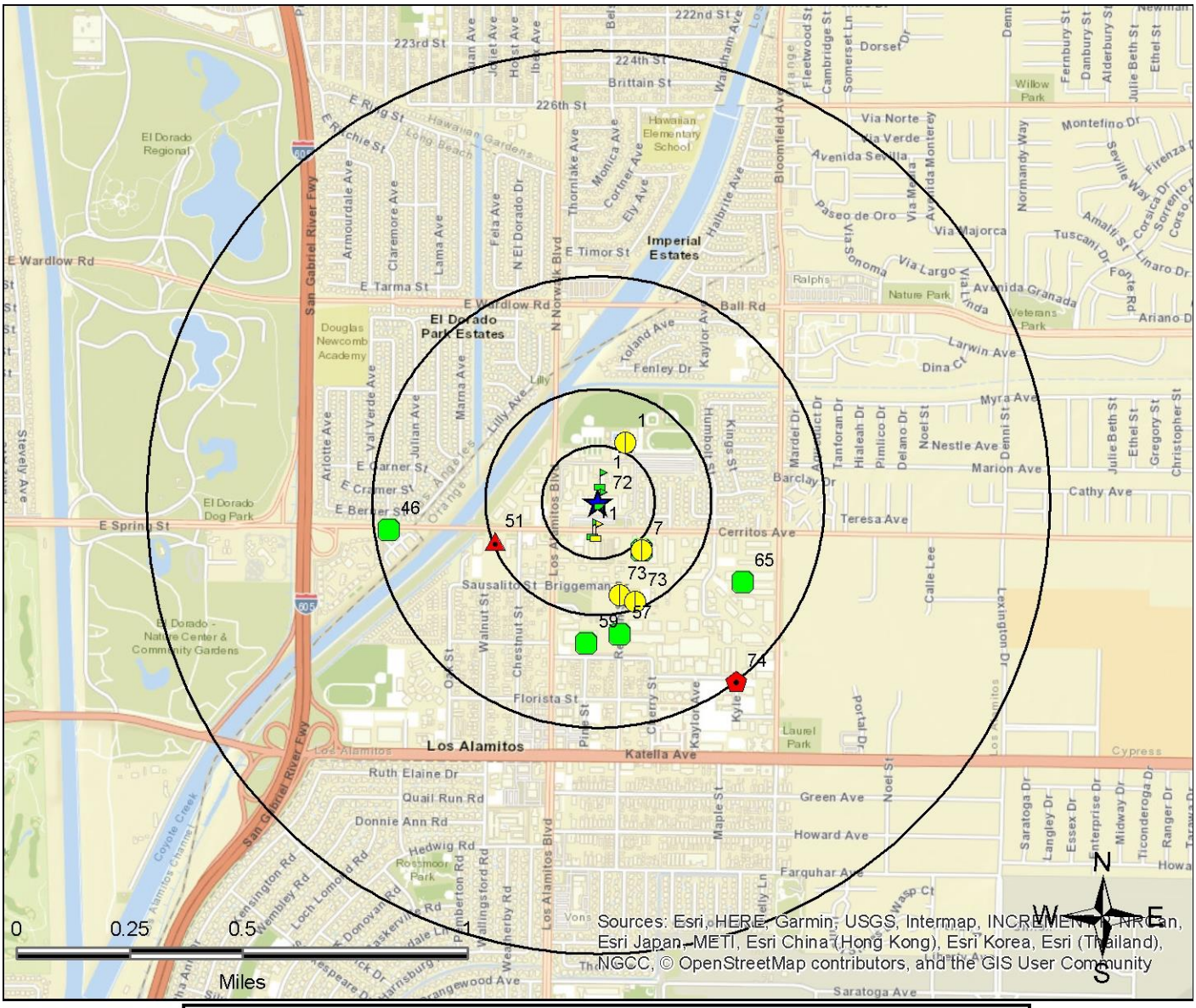


All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

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AGENCY DIFFERENCES IN MAPPED LOCATIONS (MAP5)

Note: Occurrences on this map have agency provided coordinates which differ significantly from geocoded locations.



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SUMMARY OF AGENCY DIFFERENCES

MAP ID	ID / SITE NAME	ADDRESS / DATABASE	AGENCY COORDINATES	DISTANCE (MILES)	DIRECTION
1	10538188 LOS ALAMITOS HIGH SCHOOL	3591 CERRITOS AVE CERS-CA	-118.06908, 33.8132	0.15	NE
1	339459 LOS ALAMITOS HIGH SC	3591 CERRITOS AVENUE CRSP-CA	-118.06908, 33.8132	0.15	NE
1	415271 LOS ALAMITOS HIGH SCHOOL	3591 CERRITOS AVE CRSP-CA	-118.06908, 33.8132	0.15	NE
1	110022057389 LOS ALAMITOS HIGH	3591 CERRITOS AVE. FRS-US	-118.07015, 33.81036	0.06	S
1	208027 Los Alamitos HS New 2 Story Classroom	3591 Cerritos Ave NPDES-SW-CA	-118.07026, 33.8104	0.06	S
1	437097 Los Alamitos High School	3591 Cerritos Avenue NPDES-SW-CA	-118.07, 33.81201	0.05	N
1	30820024 LOS ALAMITOS HIGH SCHOOL	3591 Cerritos Avenue School-NFA-CA	-118.06908, 33.8132	0.15	NE
7	203237 ACE EQUIPMENT RENTAL	3686 CERRITOS CRSP-CA	-118.06841, 33.80975	0.14	SE
7	T0605901757 ACE EQUIPMENT RENTAL	3686 CERRITOS ENF-CA	-118.06841, 33.80975	0.14	SE
7	T0605901757 ACE EQUIPMENT RENTAL	3686 CERRITOS LUST-Closed-CA	-118.06841, 33.80975	0.14	SE
46	T0605902252 MONTE COLLINS BACKHOE	3342 CERRITOS LUST-Closed-CA	-118.07817, 33.81031	0.47	W
51	T10000010252 Monte Collins Property	3342 Cerritos Avenue SLIC-Open-CA	-118.07408, 33.80995	0.24	W
57	T0605901767 B AND F BOX AND LUMBER SITE	10722 REAGAN ST LUST-Closed-CA	-118.06922, 33.80705	0.29	S
59	T0605901117 BARR LUMBER	10742 LOS ALAMITOS LUST-Closed-CA	-118.0705, 33.80674	0.31	S
65	T0605900167 L & S PROPERTY MANAGEMENT	10621 BLOOMFIELD LUST-Closed-CA	-118.06451, 33.80876	0.36	SE

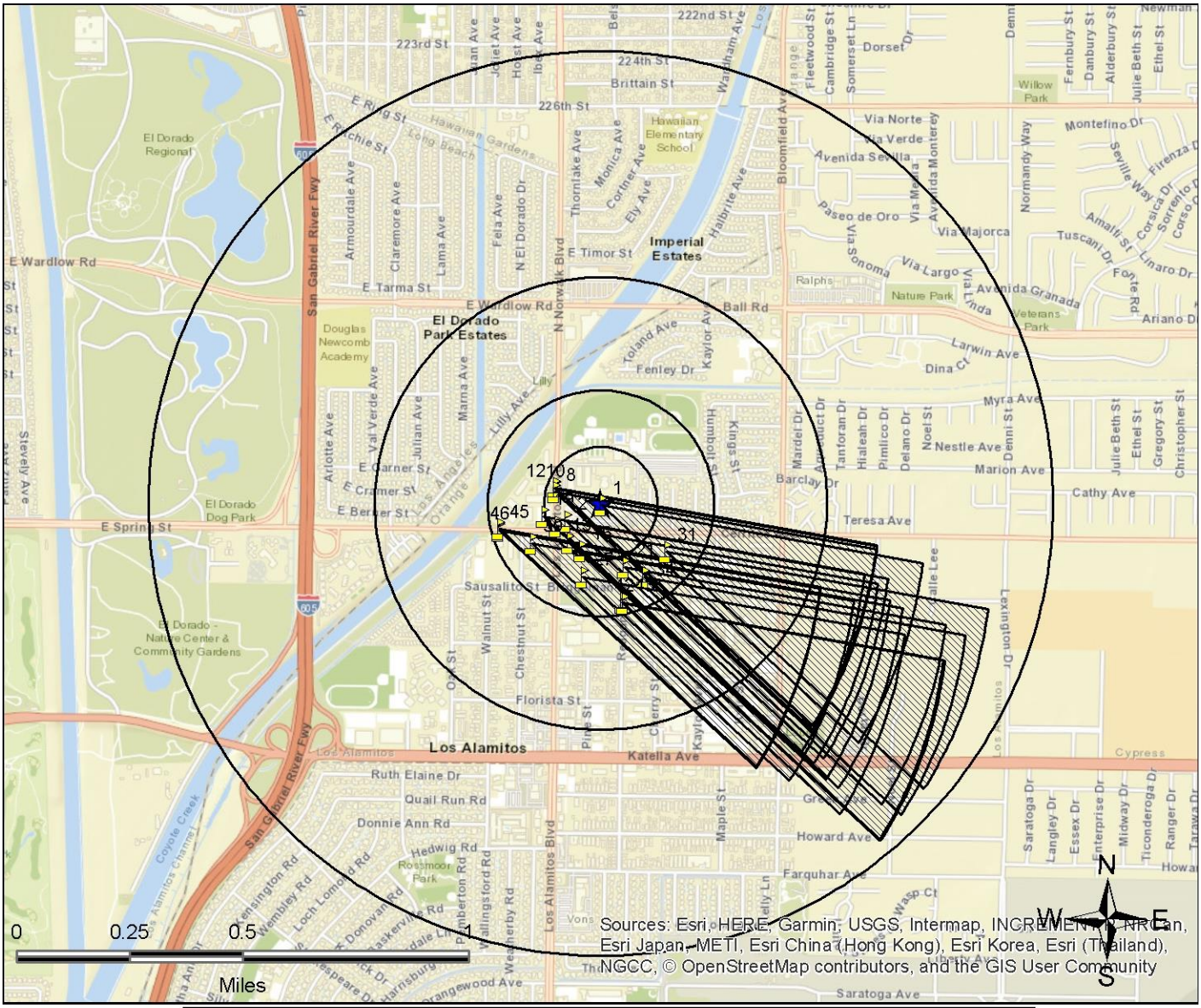
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MAP ID	ID / SITE NAME	ADDRESS / DATABASE	AGENCY COORDINATES	DISTANCE (MILES)	DIRECTION
72	563292 QUALITY	3502 CERRITOS AVE Hist-CA	-118.07001, 33.81139	0.01	NE
73	8 30I004054-ORG Los Alamitos Unified School District	10652 Reagan St County-Others-CA	-118.06863, 33.80808	0.23	S
73	254846 Los Alamitos Unified School District	10652 Reagan St ENF-SMARTS-CA	-118.06923, 33.80829	0.21	S
73	418740 Los Alamitos Unified School District	10652 Reagan St ENF-SMARTS-CA	-118.06923, 33.80829	0.21	S
73	255061 Los Alamitos Unified School District	10652 Reagan St ENF-SMARTS-CA	-118.06923, 33.80829	0.21	S
73	237350 Los Alamitos Unified School District	10652 Reagan St ENF-SMARTS-CA	-118.06923, 33.80829	0.21	S
74	60001792 Los Alamitos Medical Center	3876 Florista Street VCP-Active-CA	-118.06472, 33.80555	0.5	SE

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MAPPED AIR PERMITS WITH POTENTIAL DISPERSION (MAP6)

Note: Occurrences on this map are reported in Air Quality databases. Potential air plumes are drawn in the direction of the prevailing wind.



Legend

- Federal NPL
- Federal Delisted NPL
- Federal CERCLIS
- Federal CERCLIS NFRAP
- Federal LUST
- Federal RCRA CORRACTS
- Federal RCRA non-CORRACTS TSD
- Federal RCRA Generators
- Federal UST
- Federal Inst/Eng Controls
- Federal Brownfield
- Federal ERNS
- Federal Emergency Release Reports
- Emergency Release Reports
- State/Tribal NPL
- State/Tribal CERCLIS Equivalent
- State/Tribal LUST
- State/Tribal Voluntary Cleanup Sites
- State/Tribal UST
- State/Tribal Brownfield
- State/Tribal Inst/Eng Controls
- State/Tribal Landfill/Solid Waste
- State/Tribal RCRA Equivalent
- State/Tribal ASTM Other
- ERS Supplemental Govt Sources
- ERS Exclusive Historic Sources

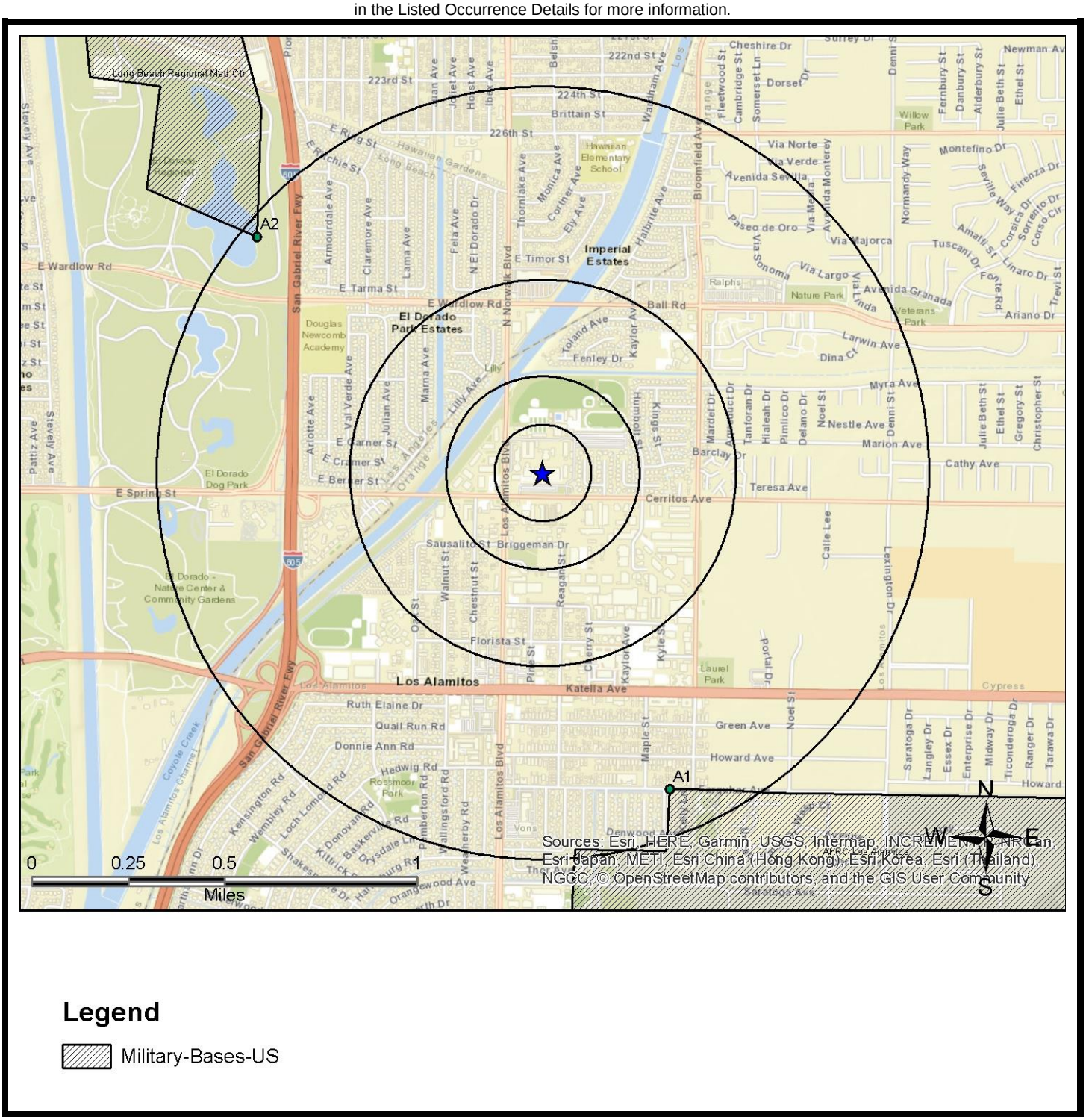
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency/source. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. Potential air dispersion plumes are depicted to graphically show the direction contaminates may travel based on prevailing wind data and provide a visual screening tool only. Actual direction will vary especially by season. Depending on the actual contaminate, amount released, and other variables, the distance from the source the contaminate may travel can and will vary. Interpretation and review of all the actual relevant data by an environmental professional is recommended before making any decisions, conclusions or otherwise based on the map depictions, air data, and potential air dispersion plumes.

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POTENTIAL AREAS OF CONCERN/CONTAMINATION (MAP7)

Note: Locations shown may represent site boundaries, contamination plumes, or other information. See descriptions in the Listed Occurrence Details for more information.



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LISTED OCCURRENCE DETAILS

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
AIR-DIST-CA	Listed	Subject Site	29 ft (0 ft higher than site)	1
SITE NAME			**MAPS**	**ID**
LOS ALAMITOS UNIFIED SCHOOL DISTRICT			1, 2, 3, 4	95002-SC
ADDRESS			**CITY**	**ZIP**
3591 CERRITOS AVE			LOS ALAMITOS	90720

DETAILS

District: South Coast AQMD
Compliance URL:
http://www3.aqmd.gov/webappl/fim/prog/novnc.aspx?fac_id=95002
Note: For additional Facility, Equipment, Emissions, Hearing Board or Transporation Plan Information click on different tabs.
Facility Id: 95002
County Code: OR
County: Orange
Facility Status Code: A
Facility Status: ACTIVE
Number of Employees: 0
Location Zip Code Extension: Not Reported
Facility Representative First Name: NEV
Facility Representative Last Name: NAVARRA
Location Area Code: 310
Location Phone Number: 4301021
Location Phone Extension: Not Reported
Mailing Address: 10652 REAGAN ST
Mailing City: LOS ALAMITOS
Mailing State: CA
Mailing Zip Code: 90720
Mailing Zip Code Extension: Not Reported
Mailing Area Code: 310
Mailing Phone Number: 4301021
Mailing Phone Extension: Not Reported
Mailing Representative First Name: NEV
Mailing Representative Last Name: NAVARRA

More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CERS-CA	Listed	Subject Site	29 ft (0 ft higher than site)	1

SITE NAME	MAPS	ID
LOS ALAMITOS HIGH SCHOOL	1, 2, 3, 4	10538188

ADDRESS	CITY	ZIP
3591 CERRITOS AVE	LOS ALAMITOS	90720

DETAILS

General Program & Facility Information
CERS ID: 10538188
Facility ID: FA0026177
Facility Regulator Key ID: FA0026177
Organization Code: 90477055
Business/Organization Name: LOS ALAMITOS HIGH SCHOOL
Multiple Jurisdictional Business? (Y/N): No
Business Origin: EDT
Count of Business' CERS User Accounts: 0
Facility Count for Business: 1
Last Submittal Date (any element): 12/19/2016 4:10:16 PM
Count of Submitted Elements: 4
Remote Facility? (Y/N): No
Small Quantity Generator Facility? (Y/N): No
Local Facility Grouping: Not Reported

Facility Specific Information
Assessor Parcel Number (APN): Not Reported
Number of Employees: 0
Property Owner Name: Not Reported
Property Owner Phone Number: Not Reported
Property Owner Mailing Address: Not Reported
Property Owner Mailing City: Not Reported
Property Owner Mailing State: Not Reported
Property Owner Mailing Zip Code: Not Reported
Property Owner Mailing Country: Not Reported
More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CRSP-CA	Listed	Subject Site	29 ft (0 ft higher than site)	1

SITE NAME	MAPS	ID
LOS ALAMITOS HIGH SC	1, 2, 3, 4	339459

ADDRESS	CITY	ZIP
3591 CERRITOS AVENUE	LOS ALAMITOS	90720

DETAILS

Site Regulated Program Information
: Site ID: 339459
Site EI ID: 30820024
Agency Provided Latitude: 33.813203
Agency Provided Longitude: -118.06908

Program Description: School Investigation

Evaluation Information
: Not Reported
Violation Information
: Not Reported
Enforcement Information
: Not Reported
Affiliation Information
: Affiliation Type Description: Lead Project Manager
Entity Name: SHAHIR HADDAD
Entity Title: Not Reported
Affiliate Address: Not Reported
Affiliate City: CYPRESS
Affiliate State: CA
Affiliate Zip Code: Not Reported
Affiliate Country: Not Reported
Affiliate Phone Number: Not Reported

Affiliation Type Description: Supervisor

More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CRSP-CA	Listed	Subject Site	29 ft (0 ft higher than site)	1

SITE NAME	MAPS	ID
LOS ALAMITOS HIGH SCHOOL	1, 2, 3, 4	415271

ADDRESS	CITY	ZIP
3591 CERRITOS AVE	LOS ALAMITOS	90720

DETAILS

Site Regulated Program Information
: Site ID: 415271
Site EI ID: 10538188
Agency Provided Latitude: 33.813202
Agency Provided Longitude: -118.069084

Program Description: Chemical Storage Facilities

Program Description: Hazardous Waste Generator

Evaluation Information
: Evaluation Date: 7/25/2016
Violations Found? (Y/N): No
Evaluation General Type: Other/Unknown
Evaluation Type: Other, not routine, done by local agency
Evaluation Note(s): HMBEP Conditionally accepted SITE MAP Please add the following to your map: storm drains and sewers and evacuation staging area BUSINESS EMERGENCY PLAN Employee Training Describe the training plan that your business has implemented. Facility is required
Evaluation Division: Orange County Environmental Health
Evaluation Program: HMRRP
Evaluation Source: CERS

Evaluation Date: 5/2/2016
Violations Found? (Y/N): No
Evaluation General Type: Compliance Evaluation Inspection
Evaluation Type: Routine done by local agency
Evaluation Note(s): On site to conduct a routine hazardous waste inspection. Consent to inspect and take photos at the facility was provided by Tony Avalos. Discussed with Tony that the facility no longer has the photography lab and the automotive repair. The spent fluore
Evaluation Division: Orange County Environmental Health

More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
FRS-US	Listed	Subject Site	29 ft (0 ft higher than site)	1
SITE NAME			**MAPS**	**ID**
LOS ALAMITOS HIGH			1, 2, 3, 4	110022057389
ADDRESS			**CITY**	**ZIP**
3591 CERRITOS AVE.			LOS ALAMITOS	90720
DETAILS				
FRS Facility Detail Report URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110022057389 Create Date: 21-MAY-2005 01:36:13 Update Date: 14-DEC-2010 00:01:54 Program System: RCRAINFO Interest Type(s): SQG				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-CA	No Longer Listed	Subject Site	29 ft (0 ft higher than site)	1
SITE NAME			**MAPS**	**ID**
LOS ALAMITOS HIGH SCHOOL			1, 2, 3, 4	B65C6614-30820024
ADDRESS			**CITY**	**ZIP**
3591 Cerritos Avenue			Los Alamitos	90720
DETAILS				
No Additional Details Found				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-CA	Name Changed	Subject Site	29 ft (0 ft higher than site)	1
SITE NAME			**MAPS**	**ID**
LOS ALAMITOS USD - LOS ALAMITOS HIGH SCHOOL			1, 2, 3, 4	CAD982312118
ADDRESS			**CITY**	**ZIP**
3591 CERRITOS AVE			LOS ALAMITOS	90720

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DETAILS
Original Database: HWIS-CA Last Agency Status: Listed Archive Date: 04/28/16 Name Changed-Year: 2012 CAT_DESC: Asbestos containing waste CODE_VALUE_DESC: LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION) TONS: 20.4 Year: 2008 CAT_DESC: Asbestos containing waste CODE_VALUE_DESC: LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION) TONS: 4 Year: 2005 CAT_DESC: Other inorganic solid waste CODE_VALUE_DESC: TRANSFER STATION TONS: 1.35 Year: 2005 CAT_DESC: Asbestos containing waste CODE_VALUE_DESC: DISPOSAL, LAND FILL TONS: 0.25284 Year: 2005 CAT_DESC: Asbestos containing waste CODE_VALUE_DESC: LANDFILL TONS: 0.25284 More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
NPDES-SW-CA	Listed	Subject Site	29 ft (0 ft higher than site)	1
SITE NAME			**MAPS**	**ID**
Los Alamitos HS New 2 Story Classroom			1, 2, 3, 4	208027
ADDRESS			**CITY**	**ZIP**
3591 Cerritos Ave			Los Alamitos	90720

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DETAILS
Facility and Program Information Regulatory Measure ID: 208027 Regulatory Measure Type: Construction Waste Discharge ID: 8 30C328441 Regional Water Board number: 8 Processed Date: 7/2/2004 Termination Date: 10/19/2005 Coverage Status: Terminated Facility/Site County: Orange Facility Size: 1 Facility Size Unit: Acres Facility Imperviousness: Not Reported Operator Name: Los Alamitos Unified School District Operator Address: 10293 Bloomfield St Operator City: Los Alamitos Operator State: California Operator Zip: 90720 Operator Type: Special District Construction Start Date: 6/21/2004 Project Completion Date: 7/25/2005 Grade Completion Date: 7/30/2004 Imperviousness After Construction: Not Reported Imperviousness Before Construction: Not Reported Total Area Disturbed: 1 Percent of Total Area Disturbed: Not Reported Primary SIC: Not Reported Secondary SIC: Not Reported More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
NPDES-SW-CA	Listed	Subject Site	29 ft (0 ft higher than site)	1
SITE NAME			**MAPS**	**ID**
Los Alamitos High School			1, 2, 3, 4	437097
ADDRESS			**CITY**	**ZIP**
3591 Cerritos Avenue			Los Alamitos	92706

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DETAILS
Facility and Program Information Regulatory Measure ID: 437097 Regulatory Measure Type: Construction Waste Discharge ID: 8 30C366334 Regional Water Board number: 8 Processed Date: 5/2/2013 Termination Date: 11/5/2013 Coverage Status: Terminated Facility/Site County: Orange Facility Size: 5.05 Facility Size Unit: Acres Facility Imperviousness: Not Reported Operator Name: Los Alamitos Unified School District Operator Address: 10293 Bloomfield Street Operator City: Los Alamitos Operator State: California Operator Zip: 90720 Operator Type: Special District Construction Start Date: 5/6/2013 Project Completion Date: 10/13/2013 Grade Completion Date: 6/3/2013 Imperviousness After Construction: 18 Imperviousness Before Construction: 2 Total Area Disturbed: 5.05 Percent of Total Area Disturbed: 100 Primary SIC: Not Reported Secondary SIC: Not Reported More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
School-NFA-CA	No Further Action	Subject Site	29 ft (0 ft higher than site)	1
SITE NAME			**MAPS**	**ID**
LOS ALAMITOS HIGH SCHOOL			1, 2, 3, 4	30820024
ADDRESS			**CITY**	**ZIP**
3591 Cerritos Avenue			Los Alamitos	90720

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DETAILS
URL: http://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id=30820024 Envirostor ID: 30820024 County: ORANGE Site Type: School Investigation Site Type Detailed: School Acres: 2 APN: 242-262-02 National Priorities List: NO Lead Agency: SMBRP Project Manager: Shahir Haddad Supervisor: Shahir Haddad Division Branch: Southern California Schools & Brownfields Outreach Site Code: 404577 Assembly: 72 Senate: 34 Congressional District: 47 Special Program: Not Reported Status: No Further Action Status Date: 2004-10-04 00:00:00 Past Uses: * EDUCATIONAL SERVICES, AGRICULTURAL - ORCHARD Restricted Use: NO Funding: School District Regulatory Agencies Involved: SMBRP Potential Contamination of Concern: 30001, 30003, 30004, 30006, 30007, 30008, 30016 Confirmed Contamination of Concern: 30001-NO,30003-NO,30004-NO,30006-NO,30007-NO,30008-NO,30016-NO Potential Media Affected: SOIL, SV More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
AIR-DIST-CA	Listed	0.09 miles SW	26 ft (3 ft lower than site)	2
SITE NAME			**MAPS**	**ID**
UNOCAL /ALTON GEOSCIENCE			1, 2, 4	119352-SC
ADDRESS			**CITY**	**ZIP**
3501 CERRITOS AVE			LOS ALAMITOS	90720

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DETAILS
District: South Coast AQMD Compliance URL: http://www3.aqmd.gov/webappl/fim/prog/novnc.aspx?fac_id=119352 Note: For additional Facility, Equipment, Emissions, Hearing Board or Transporation Plan Information click on different tabs. Facility Id: 119352 County Code: OR County: Orange Facility Status Code: A Facility Status: ACTIVE Number of Employees: 0 Location Zip Code Extension: Not Reported Facility Representative First Name: DAN Facility Representative Last Name: CARRIER Location Area Code: 714 Location Phone Number: 5771704 Location Phone Extension: Not Reported Mailing Address: 376 S VALENCIA AVE Mailing City: BREA Mailing State: CA Mailing Zip Code: 92823 Mailing Zip Code Extension: Not Reported Mailing Area Code: 714 Mailing Phone Number: 5771704 Mailing Phone Extension: Not Reported Mailing Representative First Name: DAN Mailing Representative Last Name: CARRIER More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
AIR-DIST-CA	Listed	0.09 miles SW	26 ft (3 ft lower than site)	2
SITE NAME			**MAPS**	**ID**
UNOCAL CORP			1, 2, 4	98421-SC
ADDRESS			**CITY**	**ZIP**
3501 CERRITOS AVE			LOS ALAMITOS	90720

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DETAILS
District: South Coast AQMD Compliance URL: http://www3.aqmd.gov/webappl/fim/prog/novnc.aspx?fac_id=98421 Note: For additional Facility, Equipment, Emissions, Hearing Board or Transporation Plan Information click on different tabs. Facility Id: 98421 County Code: OR County: Orange Facility Status Code: A Facility Status: ACTIVE Number of Employees: 0 Location Zip Code Extension: Not Reported Facility Representative First Name: GEORGE Facility Representative Last Name: YICK Location Area Code: 310 Location Phone Number: 4202398 Location Phone Extension: Not Reported Mailing Address: 911 WILSHIRE BLVD 11TH FL Mailing City: LOS ANGELES Mailing State: CA Mailing Zip Code: 90017 Mailing Zip Code Extension: Not Reported Mailing Area Code: 310 Mailing Phone Number: 4202398 Mailing Phone Extension: Not Reported Mailing Representative First Name: GEORGE Mailing Representative Last Name: YICK More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
County-LUST-Open-CA	Open	0.09 miles SW	26 ft (3 ft lower than site)	2
SITE NAME			**MAPS**	**ID**
UNOCAL #4727			1, 2, 4	RO0002790-ORG
ADDRESS			**CITY**	**ZIP**
3501 CERRITOS AVE			LOS ALAMITOS	90720

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DETAILS
County: Orange Record ID: RO0002790 Case ID: 92UT123 Case Closed Date: Not Reported Type of Closure: Not Reported Status: Not Reported Case Type Code: O Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-LUSTIS-CA	Listed	0.09 miles SW	26 ft (3 ft lower than site)	2
SITE NAME			**MAPS**	**ID**
UNOCAL SERVICE STATION #4727			1, 2, 4	440191
ADDRESS			**CITY**	**ZIP**
3501 CERRITOS AVENUE			LOS ALAMITOS	90720
DETAILS				
Reported Date: 1998				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-Regional-Other-CA	Listed	0.09 miles SW	26 ft (3 ft lower than site)	2
SITE NAME			**MAPS**	**ID**
UNOCAL #4727			1, 2, 4	3779672
ADDRESS			**CITY**	**ZIP**
3501 CERRITOS AVE			LOS ALAMITOS	90720
DETAILS				
Reported Date: 1998 List: Orange County-Groundwater Cleanup Program Agency: Orange County Health Care Agency				

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-Regional-UST-CA	Listed	0.09 miles SW	26 ft (3 ft lower than site)	2
SITE NAME			**MAPS**	**ID**
UNOCAL SERVICE STATION #4727			1, 2, 4	440191
ADDRESS			**CITY**	**ZIP**
3501 CERRITOS AVENUE			LOS ALAMITOS	

DETAILS

Reported Date: 1998
List: Region #8-Santa Ana Regional Underground Tank Database List
Agency: Regional Water Quality Control Board, Region #8

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
County-LUST-Closed-CA	Closed	0.1 miles SE	29 ft (0 ft higher than site)	3
SITE NAME			**MAPS**	**ID**
LOS ALAMITOS AFRC			1, 2, 4	RO0001373-ORG
ADDRESS			**CITY**	**ZIP**
BLDG 57			LOS ALAMITOS	90720

DETAILS

County: Orange
Record ID: RO0001373
Case ID: 87UT218

Case Closed Date: 1/1/1992
Type of Closure: Referred to Regional Board
Status: Not Reported
Case Type Code: O
Released Substance: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Jet Fuel and additives: A (kerosene type), A-1 (kerosene type), B (wide cut or naphtha)
Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
County-LUST-Closed-CA	Closed	0.1 miles SE	29 ft (0 ft higher than site)	3
SITE NAME			**MAPS**	**ID**
AFRC LOS ALAMITOS			1, 2, 4	RO0001743-ORG
ADDRESS			**CITY**	**ZIP**
BLDG 57			LOS ALAMITOS	9072050

DETAILS

County: Orange
Record ID: RO0001743
Case ID: 93UT033

Case Closed Date: 5/20/1993
Type of Closure: Referred to Regional Board
Status: Not Reported
Case Type Code: O
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
RCRA-SQG-US	Listed	0.1 miles W	26 ft (3 ft lower than site)	4
SITE NAME			**MAPS**	**ID**
CAL-PACIFIC INSULATION INC			1, 2, 4	CAD077956746
ADDRESS			**CITY**	**ZIP**
10447 LOS ALAMITOS BLVD			LOS ALAMITOS	90720

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DETAILS
Additional details may be found online using the following link: http://oaspub.epa.gov/enviro/fii_query_dtl.disp_program_facility?pgm_sys_id_in=CAD077956746&pgm_sys_acrnm_in=RCRAINFO Source Type: Implementer Generator Status Universe: SQG Generator Status: Small Quantity Generator Active Site Indicator: H---- Owner Name: BILLY MC MEANS-DOROTHY HUTCHINSON Operator Name: NOT REQUIRED In Handler Universes: Y In a Universe: Y Short Term Generator: N Importer Activity: N Mixed Waste Generator: N Transporter Activity: N Transfer Facility: N Recycler Activity: N Onsite Burner Exemption: N Furnace Exemption: N Underground Injection Activity: N Receives Waste From Off-site: N Universal Waste: N Universal Waste Destination Facility: N Used Oil Universe: NNNNNNN Federal Universal Waste: N Active Site Federally Regulated TSDF: ------ Active Site Converter TSDF: ------ More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-Auto Repair	Listed	0.1 miles W	26 ft (3 ft lower than site)	**5**
SITE NAME			**MAPS**	**ID**
Alamitos Auto Parts			1, 2, 4	4259
ADDRESS			**CITY**	**ZIP**
10453 Los Alamitos Blvd			Los Alamitos	90720
DETAILS				
Sic Code: 5531 Desc: Auto, Truck & Tire Service Site Added: 2/2010				

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CRSP-CA	Listed	0.1 miles W	26 ft (3 ft lower than site)	6

SITE NAME	MAPS	ID
CHEVRON #20-6285	1, 2, 4	243001

ADDRESS	CITY	ZIP
10471 LOS ALAMITOS	LOS ALAMITOS	90720

DETAILS

Site Regulated Program Information
: Site ID: 243001
Site EI ID: T0605901948
Agency Provided Latitude: 33.810646
Agency Provided Longitude: -118.07207

Program Description: Leaking Underground Storage Tank Cleanup Site

Evaluation Information
: Not Reported
Violation Information
: Not Reported
Enforcement Information
: Not Reported
Affiliation Information
: Affiliation Type Description: Local Agency Caseworker
Entity Name: DAN WEERASEKERA - ORANGE COUNTY LOP
Entity Title: Not Reported
Affiliate Address: 1241 E. Dyer Rd. Suite 120
Affiliate City: SANTA ANA
Affiliate State: CA
Affiliate Zip Code: Not Reported
Affiliate Country: Not Reported
Affiliate Phone Number: 7144336255

Affiliation Type Description: Regional Board Caseworker
More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
ENF-CA	Listed	0.1 miles W	26 ft (3 ft lower than site)	6

SITE NAME	MAPS	ID
CHEVRON #20-6285	1, 2, 4	T0605901948

ADDRESS	CITY	ZIP
10471 LOS ALAMITOS	LOS ALAMITOS	90720

DETAILS

Global ID: T0605901948
County: Orange
Site History: Please refer to recent Site Documents or Monitoring Reports in GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party.
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Lead Agency: ORANGE COUNTY LOP
Case Worker: DW
Local Agency: ORANGE COUNTY LOP
RB Case Number: 083002837T
Loc Case Number: 96UT016
File Location: Local Agency
Potential Contaminants of Concern: Gasoline
Potential Media Affected: Aquifer used for drinking water supply
How Discovered: Nuisance Conditions
How Discovered Description: CITY WORKERS TRENCHING IN LOS ALAMITOS BLVD.
Stop Method: Close and Remove Tank
Stop Method Description: Not Reported
Action Date: 2018-04-11
Action Type: ENFORCEMENT
Action: Staff Letter

Action Date: 2017-04-19
Action Type: ENFORCEMENT
Action: Staff Letter

Action Date: 2017-01-23
Action Type: ENFORCEMENT
More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
LUST-Open-CA	Open - Site Assessment	0.1 miles W	26 ft (3 ft lower than site)	6

SITE NAME	MAPS	ID
CHEVRON #20-6285	1, 2, 4	T0605901948

ADDRESS	CITY	ZIP
10471 LOS ALAMITOS	LOS ALAMITOS	90720

DETAILS

Sites Details
URL:
http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605901948
Global ID: T0605901948
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 10/8/2015
CUF Case: YES
Lead Agency: ORANGE COUNTY LOP
Case Worker: DW
Local Agency: ORANGE COUNTY LOP
RB Case Number: 083002837T
Loc Case Number: 96UT016
File Location: Local Agency
Potential Contaminants of Concern: Gasoline
Potential Media Affected: Aquifer used for drinking water supply
Site History: Please refer to recent Site Documents or Monitoring Reports in GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party.
Begin Date: 5/24/1995
How Discovered: Nuisance Conditions
How Discovered Description: CITY WORKERS TRENCHING IN LOS ALAMITOS BLVD.
Stop Method: Close and Remove Tank
Stop Method Description: Not Reported
Agency Provided Latitude: 33.810646
Agency Provided Longitude: -118.0720705

Regulatory Activities Details
More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CRSP-CA	Listed	0.1 miles SE	28 ft (1 ft lower than site)	7

SITE NAME	MAPS	ID
ACE EQUIPMENT RENTAL	1, 2, 4	203237

ADDRESS	CITY	ZIP
3686 CERRITOS	LOS ALAMITOS	90720

DETAILS

Site Regulated Program Information
: Site ID: 203237
Site EI ID: T0605901757
Agency Provided Latitude: 33.809754
Agency Provided Longitude: -118.068412

Program Description: Leaking Underground Storage Tank Cleanup Site

Evaluation Information
: Not Reported
Violation Information
: Not Reported
Enforcement Information
: Not Reported
Affiliation Information
: Affiliation Type Description: Local Agency Caseworker
Entity Name: KEVIN LAMBERT - ORANGE COUNTY LOP
Entity Title: Not Reported
Affiliate Address: 1241 E DYER ROAD SUITE 120
Affiliate City: SANTA ANA
Affiliate State: CA
Affiliate Zip Code: Not Reported
Affiliate Country: Not Reported
Affiliate Phone Number: 7144336261

Affiliation Type Description: Regional Board Caseworker
More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
ENF-CA	Listed	0.1 miles SE	28 ft (1 ft lower than site)	7
SITE NAME			**MAPS**	**ID**
ACE EQUIPMENT RENTAL			1, 2, 4	T0605901757
ADDRESS			**CITY**	**ZIP**
3686 CERRITOS			LOS ALAMITOS	90720

DETAILS

Global ID: T0605901757
County: Orange
Site History: Not Reported
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Lead Agency: ORANGE COUNTY LOP
Case Worker: KL
Local Agency: ORANGE COUNTY LOP
RB Case Number: 083002473T
Loc Case Number: 94UT005
File Location: Local Agency
Potential Contaminants of Concern: Gasoline
Potential Media Affected: Soil
How Discovered: Tank Closure
How Discovered Description: Not Reported
Stop Method: Close and Remove Tank
Stop Method Description: Not Reported
Action Date: 1994-03-04
Action Type: ENFORCEMENT
Action: Closure/No Further Action Letter

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-UST-CA	Listed	0.1 miles SE	28 ft (1 ft lower than site)	7
SITE NAME			**MAPS**	**ID**
ACE EQUIPMENT RENTALS			1, 2, 4	211909
ADDRESS			**CITY**	**ZIP**
3686 CERRITOS			LOS ALAMITOS	90720

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DETAILS
Note: ID has been assigned by ERS Tank Details: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002E48C.pdf County: Orange

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
LUST-Closed-CA	Completed - Case Closed	0.1 miles SE	28 ft (1 ft lower than site)	7
SITE NAME			**MAPS**	**ID**
ACE EQUIPMENT RENTAL			1, 2, 4	T0605901757
ADDRESS			**CITY**	**ZIP**
3686 CERRITOS			LOS ALAMITOS	90720

DETAILS

Sites Details
URL:
http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605901757
Global ID: T0605901757
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 3/29/1994
CUF Case: NO
Lead Agency: ORANGE COUNTY LOP
Case Worker: KL
Local Agency: ORANGE COUNTY LOP
RB Case Number: 083002473T
Loc Case Number: 94UT005
File Location: Local Agency
Potential Contaminants of Concern: Gasoline
Potential Media Affected: Soil
Site History: Not Reported
Begin Date: 1/13/1994
How Discovered: Tank Closure
How Discovered Description: Not Reported
Stop Method: Close and Remove Tank
Stop Method Description: Not Reported
Agency Provided Latitude: 33.809754
Agency Provided Longitude: -118.068412

Regulatory Activities Details
More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
AIR-DIST-CA	Listed	0.11 miles W	26 ft (3 ft lower than site)	**8**

SITE NAME	MAPS	ID
INDEPENDENT CAR SPECS	1, 2, 4	91486-SC

ADDRESS	CITY	ZIP
10385 LOS ALAMITOS BLVD	LOS ALAMITOS	90720

DETAILS

District: South Coast AQMD
Compliance URL:
http://www3.aqmd.gov/webappl/fim/prog/novnc.aspx?fac_id=91486
Note: For additional Facility, Equipment, Emissions, Hearing Board or Transporation Plan Information click on different tabs.
Facility Id: 91486
County Code: OR
County: Orange
Facility Status Code: A
Facility Status: ACTIVE
Number of Employees: 6
Location Zip Code Extension: Not Reported
Facility Representative First Name: BOB
Facility Representative Last Name: WERTENBROEK
Location Area Code: 310
Location Phone Number: 4935596
Location Phone Extension: Not Reported
Mailing Address: 10385 LOS ALAMITOS BLVD
Mailing City: LOS ALAMITOS
Mailing State: CA
Mailing Zip Code: 90720
Mailing Zip Code Extension: Not Reported
Mailing Area Code: 310
Mailing Phone Number: 4935596
Mailing Phone Extension: Not Reported
Mailing Representative First Name: BOB
Mailing Representative Last Name: WERTENBROEK

More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-Auto Repair	Listed	0.11 miles W	26 ft (3 ft lower than site)	8
SITE NAME			**MAPS**	**ID**
INDEP HONDA & ACURA PARTS SVC			1, 2, 4	464224-PD
ADDRESS			**CITY**	**ZIP**
10385 LOS ALAMITOS BLVD			LOS ALAMITOS	90720-2110
DETAILS				
Listing Year: 1997 SIC Category: AUTOMOBILE REPAIRING & SERVICE SIC Code: 753801				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-CalFID-CA	Listed	0.11 miles W	26 ft (3 ft lower than site)	8
SITE NAME			**MAPS**	**ID**
INDEPENDENT CAR SPECIALIST			1, 2, 4	1283885
ADDRESS			**CITY**	**ZIP**
10385 LOS ALAMITOS			LOS ALAMITOS	907200000
DETAILS				
Reported Date: 1998				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
RCRA-SQG-US	Listed	0.11 miles W	26 ft (3 ft lower than site)	8
SITE NAME			**MAPS**	**ID**
HONDA AUTO PARTS SERVICE			1, 2, 4	CAD981653405
ADDRESS			**CITY**	**ZIP**
10385 LOS ALAMITOS BLVD			LOS ALAMITOS	90720

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DETAILS

Additional details may be found online using the following link:

http://oaspub.epa.gov/enviro/fii_query_dtl.disp_program_facility?pgm_sys_id_in=CAD981653405&pgm_sys_acrnm_in=RCRAINFO

Source Type: Notification
Generator Status Universe: SQG
Generator Status: Small Quantity Generator
NAICS1: GENERAL AUTOMOTIVE REPAIR
Active Site Indicator: H----
Owner Name: BOB WERTENBROEK
Operator Name: NOT REQUIRED
In Handler Universes: Y
In a Universe: Y
Short Term Generator: N
Importer Activity: N
Mixed Waste Generator: N
Transporter Activity: N
Transfer Facility: N
Recycler Activity: N
Onsite Burner Exemption: N
Furnace Exemption: N
Underground Injection Activity: N
Receives Waste From Off-site: N
Universal Waste: N
Universal Waste Destination Facility: N
Used Oil Universe: NNNNNNN
Federal Universal Waste: N
Active Site Federally Regulated TSDF: ------
More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-Auto Repair	Listed	0.11 miles W	26 ft (3 ft lower than site)	9

SITE NAME	MAPS	ID
INDEPENDENT CAR SPECIALIST	1, 2, 4	464286-PD

ADDRESS	CITY	ZIP
10383 LOS ALAMITOS BLVD	LOS ALAMITOS	90720-2110

DETAILS

Listing Year: 1997
SIC Category: AUTOMOBILE REPAIRING & SERVICE
SIC Code: 753801

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
AIR-DIST-CA	Listed	0.11 miles W	26 ft (3 ft lower than site)	10

SITE NAME	MAPS	ID
PRECISION CARBURETION & FUEL	1, 2, 4	54293-SC

ADDRESS	CITY	ZIP
10353 LOS ALAMITOS BLVD	LOS ALAMITOS	90720

DETAILS

District: South Coast AQMD
Compliance URL:
http://www3.aqmd.gov/webappl/fim/prog/novnc.aspx?fac_id=54293
Note: For additional Facility, Equipment, Emissions, Hearing Board or Transporation Plan Information click on different tabs.
Facility Id: 54293
County Code: OR
County: Orange
Facility Status Code: A
Facility Status: ACTIVE
Number of Employees: 0
Location Zip Code Extension: 2110
Facility Representative First Name: Not Reported
Facility Representative Last Name: Not Reported
Location Area Code: Not Reported
Location Phone Number: Not Reported
Location Phone Extension: Not Reported
Mailing Address: 10353 LOS ALAMITOS BLVD
Mailing City: LOS ALAMITOS
Mailing State: CA
Mailing Zip Code: 90720
Mailing Zip Code Extension: 2110
Mailing Area Code: Not Reported
Mailing Phone Number: Not Reported
Mailing Phone Extension: Not Reported
Mailing Representative First Name: Not Reported
Mailing Representative Last Name: Not Reported

More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CRSP-CA	Listed	0.11 miles SW	27 ft (2 ft lower than site)	11

SITE NAME	MAPS	ID
BIXBY LAND CO	1, 2, 4	257459

ADDRESS	CITY	ZIP
3502 CERRITOS	LOS ALAMITOS	90720

DETAILS

Site Regulated Program Information
: Site ID: 257459
Site EI ID: T0605900912
Agency Provided Latitude: 33.810169
Agency Provided Longitude: -118.071677

Program Description: Leaking Underground Storage Tank Cleanup Site

Evaluation Information
: Not Reported
Violation Information
: Not Reported
Enforcement Information
: Not Reported
Affiliation Information
: Affiliation Type Description: Local Agency Caseworker
Entity Name: KEVIN LAMBERT - ORANGE COUNTY LOP
Entity Title: Not Reported
Affiliate Address: 1241 E DYER ROAD SUITE 120
Affiliate City: SANTA ANA
Affiliate State: CA
Affiliate Zip Code: Not Reported
Affiliate Country: Not Reported
Affiliate Phone Number: 7144336261

Affiliation Type Description: Regional Board Caseworker
More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CRSP-CA	Listed	0.11 miles SW	27 ft (2 ft lower than site)	11
SITE NAME			**MAPS**	**ID**
GW Cleanup-Los Alamitos-El Pol			1, 2, 4	350988
ADDRESS			**CITY**	**ZIP**
3502 CERRITOS			LOS ALAMITOS	90720

DETAILS

Site Regulated Program Information
: Site ID: 350988
Site EI ID: 228406
Agency Provided Latitude: 33.810397
Agency Provided Longitude: -118.071644

Program Description: NPDES Wastewater and Stormwater

Evaluation Information
: Not Reported
Violation Information
: Not Reported
Enforcement Information
: Not Reported
Affiliation Information
: Not Reported
Coordinate Information
: Not Reported

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
ENF-CA	Listed	0.11 miles SW	27 ft (2 ft lower than site)	11
SITE NAME			**MAPS**	**ID**
BIXBY LAND CO			1, 2, 4	T0605900912
ADDRESS			**CITY**	**ZIP**
3502 CERRITOS			LOS ALAMITOS	90720

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DETAILS
Global ID: T0605900912 County: Orange Site History: Please refer to recent Site Documents or Monitoring Reports in GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party. Case Type: LUST Cleanup Site Status: Completed - Case Closed Lead Agency: ORANGE COUNTY LOP Case Worker: KL Local Agency: ORANGE COUNTY LOP RB Case Number: 083001154T Loc Case Number: 89UT020 File Location: Local Agency Potential Contaminants of Concern: Gasoline Potential Media Affected: Aquifer used for drinking water supply How Discovered: Tank Closure How Discovered Description: Not Reported Stop Method: Close and Remove Tank Stop Method Description: Not Reported Action Date: 2015-05-05 Action Type: ENFORCEMENT Action: Closure/No Further Action Letter Action Date: 2014-12-30 Action Type: ENFORCEMENT Action: Notification - Preclosure Action Date: 2014-10-20 Action Type: ENFORCEMENT More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-HWS-CA	Listed	0.11 miles SW	27 ft (2 ft lower than site)	11
SITE NAME			**MAPS**	**ID**
BIXBY LAND COMPANY			1, 2, 4	1176143
ADDRESS			**CITY**	**ZIP**
3502 CERRIOTS			LOS ALAMITOS	90720
DETAILS				
Reported Date: 1998				

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
LUST-Closed-CA	Completed - Case Closed	0.11 miles SW	27 ft (2 ft lower than site)	11

SITE NAME	MAPS	ID
BIXBY LAND CO	1, 2, 4	T0605900912

ADDRESS	CITY	ZIP
3502 CERRITOS	LOS ALAMITOS	90720

DETAILS

Sites Details
URL:
http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605900912
Global ID: T0605900912
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 5/5/2015
CUF Case: YES
Lead Agency: ORANGE COUNTY LOP
Case Worker: KL
Local Agency: ORANGE COUNTY LOP
RB Case Number: 083001154T
Loc Case Number: 89UT020
File Location: Local Agency
Potential Contaminants of Concern: Gasoline
Potential Media Affected: Aquifer used for drinking water supply
Site History: Please refer to recent Site Documents or Monitoring Reports in GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party.
Begin Date: 12/29/1988
How Discovered: Tank Closure
How Discovered Description: Not Reported
Stop Method: Close and Remove Tank
Stop Method Description: Not Reported
Agency Provided Latitude: 33.810169
Agency Provided Longitude: -118.0716775

Regulatory Activities Details
More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
AIR-DIST-CA	Listed	0.11 miles W	26 ft (3 ft lower than site)	12

SITE NAME	MAPS	ID
BIXBY LAND COMPANY	1, 2, 4	63561-SC

ADDRESS	CITY	ZIP
10351 LOS ALAMITOS BLVD	LOS ALAMITOS	90720

DETAILS

District: South Coast AQMD
Compliance URL:
http://www3.aqmd.gov/webappl/fim/prog/novnc.aspx?fac_id=63561
Note: For additional Facility, Equipment, Emissions, Hearing Board or Transporation Plan Information click on different tabs.
Facility Id: 63561
County Code: OR
County: Orange
Facility Status Code: A
Facility Status: ACTIVE
Number of Employees: 0
Location Zip Code Extension: 2110
Facility Representative First Name: DAVE
Facility Representative Last Name: ANDERSON
Location Area Code: 213
Location Phone Number: 4948250
Location Phone Extension: Not Reported
Mailing Address: P O BOX 2488
Mailing City: LONG BEACH
Mailing State: CA
Mailing Zip Code: 90801
Mailing Zip Code Extension: Not Reported
Mailing Area Code: 213
Mailing Phone Number: 4948250
Mailing Phone Extension: Not Reported
Mailing Representative First Name: DAVE
Mailing Representative Last Name: ANDERSON

More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
AIR-DIST-CA	Listed	0.11 miles W	26 ft (3 ft lower than site)	12

SITE NAME	MAPS	ID
BIXBY LAND COMPANY	1, 2, 4	54297-SC

ADDRESS	CITY	ZIP
10351 LOS ALAMITOS BLVD	LOS ALAMITOS	90720

DETAILS

District: South Coast AQMD
Compliance URL:
http://www3.aqmd.gov/webappl/fim/prog/novnc.aspx?fac_id=54297
Note: For additional Facility, Equipment, Emissions, Hearing Board or Transporation Plan Information click on different tabs.
Facility Id: 54297
County Code: OR
County: Orange
Facility Status Code: A
Facility Status: ACTIVE
Number of Employees: 0
Location Zip Code Extension: 2110
Facility Representative First Name: Not Reported
Facility Representative Last Name: Not Reported
Location Area Code: Not Reported
Location Phone Number: Not Reported
Location Phone Extension: Not Reported
Mailing Address: P O BOX 2488
Mailing City: LONG BEACH
Mailing State: CA
Mailing Zip Code: 90801
Mailing Zip Code Extension: Not Reported
Mailing Area Code: Not Reported
Mailing Phone Number: Not Reported
Mailing Phone Extension: Not Reported
Mailing Representative First Name: Not Reported
Mailing Representative Last Name: Not Reported

More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
AIR-DIST-CA	Listed	0.11 miles W	26 ft (3 ft lower than site)	12

SITE NAME	MAPS	ID
GRAPHIC EXPRESS	1, 2, 4	54294-SC

ADDRESS	CITY	ZIP
10349 LOS ALAMITOS BLVD	LOS ALAMITOS	90720

DETAILS

District: South Coast AQMD
Compliance URL:
http://www3.aqmd.gov/webappl/fim/prog/novnc.aspx?fac_id=54294
Note: For additional Facility, Equipment, Emissions, Hearing Board or Transporation Plan Information click on different tabs.
Facility Id: 54294
County Code: OR
County: Orange
Facility Status Code: A
Facility Status: ACTIVE
Number of Employees: 0
Location Zip Code Extension: 2110
Facility Representative First Name: Not Reported
Facility Representative Last Name: Not Reported
Location Area Code: Not Reported
Location Phone Number: Not Reported
Location Phone Extension: Not Reported
Mailing Address: 10349 LOS ALAMITOS BLVD
Mailing City: LOS ALAMITOS
Mailing State: CA
Mailing Zip Code: 90720
Mailing Zip Code Extension: 2110
Mailing Area Code: Not Reported
Mailing Phone Number: Not Reported
Mailing Phone Extension: Not Reported
Mailing Representative First Name: Not Reported
Mailing Representative Last Name: Not Reported

More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
AIR-DIST-CA	Listed	0.11 miles SW	28 ft (1 ft lower than site)	13

SITE NAME	MAPS	ID
EL POLLO LOCO #3322	1, 2, 4	154910-SC

ADDRESS	CITY	ZIP
3502 CERRITOS AVE	LOS ALAMITOS	90720

DETAILS

District: South Coast AQMD
Compliance URL:
http://www3.aqmd.gov/webappl/fim/prog/novnc.aspx?fac_id=154910
Note: For additional Facility, Equipment, Emissions, Hearing Board or Transporation Plan Information click on different tabs.
Facility Id: 154910
County Code: OR
County: Orange
Facility Status Code: A
Facility Status: ACTIVE
Number of Employees: 0
Location Zip Code Extension: 2415
Facility Representative First Name: RHONDA
Facility Representative Last Name: RIVERA
Location Area Code: 562
Location Phone Number: 4251402
Location Phone Extension: Not Reported
Mailing Address: PO BOX 39 ATTN: ACCOUNTS PAYABLE
Mailing City: LAKEWOOD
Mailing State: CA
Mailing Zip Code: 90714
Mailing Zip Code Extension: 0039
Mailing Area Code: 562
Mailing Phone Number: 4251402
Mailing Phone Extension: Not Reported
Mailing Representative First Name: RHONDA
Mailing Representative Last Name: RIVERA

More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
County-LUST-Closed-CA	Closed	0.11 miles SW	28 ft (1 ft lower than site)	13
SITE NAME			**MAPS**	**ID**
BIXBY LAND CO			1, 2, 4	RO0001259-ORG
ADDRESS			**CITY**	**ZIP**
3502 CERRITOS AVE			LOS ALAMITOS	90720

DETAILS

County: Orange
Record ID: RO0001259
Case ID: 89UT020

Case Closed Date: 5/5/2015
Type of Closure: Closure certification issued
Status: Not Reported
Case Type Code: O
Released Substance: Regular gasoline

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-LUSTIS-CA	Listed	0.11 miles SW	28 ft (1 ft lower than site)	13
SITE NAME			**MAPS**	**ID**
BIXBY LAND COMPANY			1, 2, 4	1176143
ADDRESS			**CITY**	**ZIP**
3502 CERRITOS AVENUE			LOS ALAMITOS	90720

DETAILS

Reported Date: 1998

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-Regional-Other-CA	Listed	0.11 miles SW	28 ft (1 ft lower than site)	13
SITE NAME			**MAPS**	**ID**
BIXBY LAND CO			1, 2, 4	1176143
ADDRESS			**CITY**	**ZIP**
3502 CERRITOS AVE			LOS ALAMITOS	90720
DETAILS				
Reported Date: 1998 List: Orange County-Groundwater Cleanup Program Agency: Orange County Health Care Agency				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-Regional-UST-CA	Listed	0.11 miles SW	28 ft (1 ft lower than site)	13
SITE NAME			**MAPS**	**ID**
BIXBY LAND COMPANY			1, 2, 4	1176143
ADDRESS			**CITY**	**ZIP**
3502 CERRITOS AVENUE			LOS ALAMITOS	
DETAILS				
Reported Date: 1998 List: Region #8-Santa Ana Regional Underground Tank Database List Agency: Regional Water Quality Control Board, Region #8				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-UST-CA	Listed	0.11 miles SW	28 ft (1 ft lower than site)	13
SITE NAME			**MAPS**	**ID**
STATION 105			1, 2, 4	267552
ADDRESS			**CITY**	**ZIP**
3502 CERRITOS AVE			LOS ALAMITOS	90720

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DETAILS
Note: ID has been assigned by ERS Tank Details: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026A03.pdf County: Orange

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
AIR-DIST-CA	Listed	0.11 miles SW	27 ft (2 ft lower than site)	14
SITE NAME			**MAPS**	**ID**
UNION DLR, THOMAS C. LEWIS 031509			1, 2, 4	42125-SC
ADDRESS			**CITY**	**ZIP**
10492 LOS ALAMITOS BLVD			LOS ALAMITOS	90720

DETAILS

District: South Coast AQMD
Compliance URL:
http://www3.aqmd.gov/webappl/fim/prog/novnc.aspx?fac_id=42125
Note: For additional Facility, Equipment, Emissions, Hearing Board or Transporation Plan Information click on different tabs.
Facility Id: 42125
County Code: OR
County: Orange
Facility Status Code: A
Facility Status: ACTIVE
Number of Employees: 0
Location Zip Code Extension: 2112
Facility Representative First Name: UNKNOWN
Facility Representative Last Name: UNKNOWN
Location Area Code: 213
Location Phone Number: 4319379
Location Phone Extension: Not Reported
Mailing Address: 10492 LOS ALAMITOS BLVD
Mailing City: LOS ALAMITOS
Mailing State: CA
Mailing Zip Code: 90720
Mailing Zip Code Extension: 2112
Mailing Area Code: 213
Mailing Phone Number: 4319379
Mailing Phone Extension: Not Reported
Mailing Representative First Name: UNKNOWN
Mailing Representative Last Name: UNKNOWN

More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-CalFID-CA	Listed	0.11 miles SW	27 ft (2 ft lower than site)	14
SITE NAME			**MAPS**	**ID**
LEWIS UNOCAL			1, 2, 4	7815891
ADDRESS			**CITY**	**ZIP**
10492 LOS ALAMITOS BLVD			LOS ALAMITOS	907200000
DETAILS				
Reported Date: 1998				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-UST-CA	Listed	0.11 miles SW	27 ft (2 ft lower than site)	14
SITE NAME			**MAPS**	**ID**
SERVICE STATION 4727			1, 2, 4	264755
ADDRESS			**CITY**	**ZIP**
10492 LOS ALAMITOS			LOS ALAMITOS	90720
DETAILS				
Note: ID has been assigned by ERS Tank Details: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002D5F7.pdf County: Orange				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-UST-CA	Listed	0.11 miles SW	27 ft (2 ft lower than site)	14
SITE NAME			**MAPS**	**ID**
UNION OIL SERVICE STATION LEAS			1, 2, 4	273184
ADDRESS			**CITY**	**ZIP**
10492 LOS ALAMITOS			LOS ALAMITOS	90720

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DETAILS
Note: ID has been assigned by ERS Tank Details: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002D6EC.pdf County: Orange

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CRSP-CA	Listed	0.11 miles SW	27 ft (2 ft lower than site)	**15**
SITE NAME			**MAPS**	**ID**
UNOCAL #4727			1, 2, 4	208320
ADDRESS			**CITY**	**ZIP**
3501 CERRITOS			LOS ALAMITOS	90720

DETAILS

Site Regulated Program Information
: Site ID: 208320
Site EI ID: T0605901594
Agency Provided Latitude: 33.810679
Agency Provided Longitude: -118.071556

Program Description: Leaking Underground Storage Tank Cleanup Site

Evaluation Information
: Not Reported
Violation Information
: Not Reported
Enforcement Information
: Not Reported
Affiliation Information
: Affiliation Type Description: Local Agency Caseworker
Entity Name: DAN WEERASEKERA - ORANGE COUNTY LOP
Entity Title: Not Reported
Affiliate Address: 1241 E. Dyer Rd. Suite 120
Affiliate City: SANTA ANA
Affiliate State: CA
Affiliate Zip Code: Not Reported
Affiliate Country: Not Reported
Affiliate Phone Number: 7144336255

Affiliation Type Description: Regional Board Caseworker
More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
ENF-CA	Listed	0.11 miles SW	27 ft (2 ft lower than site)	**15**

SITE NAME	MAPS	ID
UNOCAL #4727	1, 2, 4	T0605901594

ADDRESS	CITY	ZIP
3501 CERRITOS	LOS ALAMITOS	90720

DETAILS

Global ID: T0605901594
County: Orange
Site History: Please refer to recent Site Documents or Monitoring Reports in GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party.
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Lead Agency: ORANGE COUNTY LOP
Case Worker: DW
Local Agency: ORANGE COUNTY LOP
RB Case Number: 083002155T
Loc Case Number: 92UT123
File Location: Local Agency
Potential Contaminants of Concern: Gasoline
Potential Media Affected: Aquifer used for drinking water supply
How Discovered: * SA
How Discovered Description: Not Reported
Stop Method: Replace product piping
Stop Method Description: Not Reported
Action Date: 2018-09-07
Action Type: ENFORCEMENT
Action: Staff Letter

Action Date: 2018-09-07
Action Type: ENFORCEMENT
Action: Staff Letter

Action Date: 2018-04-19
Action Type: ENFORCEMENT
More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-HWS-CA	Listed	0.11 miles SW	27 ft (2 ft lower than site)	15
SITE NAME			MAPS	ID
UNOCAL SERVICE STATION #4			1, 2, 4	440191
ADDRESS			CITY	ZIP
3501 CERRITOS			LOS ALAMITOS	
DETAILS				
Reported Date: 1998				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
LUST-Open-CA	Open - Site Assessment	0.11 miles SW	27 ft (2 ft lower than site)	15
SITE NAME			MAPS	ID
UNOCAL #4727			1, 2, 4	T0605901594
ADDRESS			CITY	ZIP
3501 CERRITOS			LOS ALAMITOS	90720

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DETAILS
Sites Details URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605901594 Global ID: T0605901594 Case Type: LUST Cleanup Site Status: Open - Site Assessment Status Date: 6/7/2010 CUF Case: NO Lead Agency: ORANGE COUNTY LOP Case Worker: DW Local Agency: ORANGE COUNTY LOP RB Case Number: 083002155T Loc Case Number: 92UT123 File Location: Local Agency Potential Contaminants of Concern: Gasoline Potential Media Affected: Aquifer used for drinking water supply Site History: Please refer to recent Site Documents or Monitoring Reports in GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party. Begin Date: 9/11/1992 How Discovered: * SA How Discovered Description: Not Reported Stop Method: Replace product piping Stop Method Description: Not Reported Agency Provided Latitude: 33.8106790098138 Agency Provided Longitude: -118.071556109787 Regulatory Activities Details More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
AIR-DIST-CA	Listed	0.11 miles SW	27 ft (2 ft lower than site)	**16**
SITE NAME			**MAPS**	**ID**
LEWIS BILT INC			1, 2, 4	11608-SC
ADDRESS			**CITY**	**ZIP**
3562 CERRITOS AVE			LOS ALAMITOS	90720

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DETAILS
District: South Coast AQMD Compliance URL: http://www3.aqmd.gov/webappl/fim/prog/novnc.aspx?fac_id=11608 Note: For additional Facility, Equipment, Emissions, Hearing Board or Transporation Plan Information click on different tabs. Facility Id: 11608 County Code: OR County: Orange Facility Status Code: A Facility Status: ACTIVE Number of Employees: 0 Location Zip Code Extension: 2415 Facility Representative First Name: Not Reported Facility Representative Last Name: Not Reported Location Area Code: Not Reported Location Phone Number: Not Reported Location Phone Extension: Not Reported Mailing Address: 3562 CERRITOS AVE Mailing City: LOS ALAMITOS Mailing State: CA Mailing Zip Code: 90720 Mailing Zip Code Extension: 2415 Mailing Area Code: Not Reported Mailing Phone Number: Not Reported Mailing Phone Extension: Not Reported Mailing Representative First Name: Not Reported Mailing Representative Last Name: Not Reported More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-RCRIS-US	Listed	0.11 miles W	26 ft (3 ft lower than site)	17
SITE NAME			**MAPS**	**ID**
EMERGENCY POWER SERVICE			1, 2, 4	5521394
ADDRESS			**CITY**	**ZIP**
10331 LOS ALAMITOS BLVD			LOS ALAMITOS	907202110
DETAILS				
Reported Date: 1998				

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
RCRA-NON-US	Listed	0.11 miles W	26 ft (3 ft lower than site)	17

SITE NAME	MAPS	ID
EMERGENCY POWER SERVICE	1, 2, 4	CAR000001073

ADDRESS	CITY	ZIP
10331 LOS ALAMITOS BLVD	LOS ALAMITOS	90720

DETAILS

Additional details may be found online using the following link:

http://oaspub.epa.gov/enviro/fii_query_dtl.disp_program_facility?pgm_sys_id_in=CAR000001073&pgm_sys_acrnm_in=RCRAINFO

Source Type: Notification
Generator Status Universe: N
Generator Status: Non-Generator
Active Site Indicator: H----
Owner Name: ROBERT J WHITNEY
In Handler Universes: Y
In a Universe: Y
Short Term Generator: N
Importer Activity: N
Mixed Waste Generator: N
Transporter Activity: Y
Transfer Facility: N
Recycler Activity: N
Onsite Burner Exemption: N
Furnace Exemption: N
Underground Injection Activity: N
Receives Waste From Off-site: N
Universal Waste: N
Universal Waste Destination Facility: N
Used Oil Universe: NNNNNNN
Federal Universal Waste: N
Active Site Federally Regulated TSDF: ------
Active Site Converter TSDF: ------
Active Site State Regulated TSDF: ---------

More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
RCRA-SQG-US	Listed	0.12 miles NW	27 ft (2 ft lower than site)	18

SITE NAME	MAPS	ID
PRESISION CABURETION	1, 2, 4	CAD981632128

ADDRESS	CITY	ZIP
10350 LOS ALOMITOS BLVD	LOS ALAMITOS	90720

DETAILS

Additional details may be found online using the following link:

http://oaspub.epa.gov/enviro/fii_query_dtl.disp_program_facility?pgm_sys_id_in=CAD981632128&pgm_sys_acrnm_in=RCRAINFO

Source Type: Notification
Generator Status Universe: SQG
Generator Status: Small Quantity Generator
Active Site Indicator: H----
Owner Name: DPM INC
Operator Name: NOT REQUIRED
In Handler Universes: Y
In a Universe: Y
Short Term Generator: N
Importer Activity: N
Mixed Waste Generator: N
Transporter Activity: N
Transfer Facility: N
Recycler Activity: N
Onsite Burner Exemption: N
Furnace Exemption: N
Underground Injection Activity: N
Receives Waste From Off-site: N
Universal Waste: N
Universal Waste Destination Facility: N
Used Oil Universe: NNNNNNN
Federal Universal Waste: N
Active Site Federally Regulated TSDF: ------
Active Site Converter TSDF: ------

More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
AIR-DIST-CA	Listed	0.13 miles W	27 ft (2 ft lower than site)	19

SITE NAME	MAPS	ID
SIZZLER RESTAURANT	1, 2, 4	66029-SC

ADDRESS	CITY	ZIP
10471 LOS ALAMITOS BLVD	LOS ALAMITOS	90720

DETAILS

District: South Coast AQMD
Compliance URL:
http://www3.aqmd.gov/webappl/fim/prog/novnc.aspx?fac_id=66029
Note: For additional Facility, Equipment, Emissions, Hearing Board or Transporation Plan Information click on different tabs.
Facility Id: 66029
County Code: OR
County: Orange
Facility Status Code: A
Facility Status: ACTIVE
Number of Employees: 0
Location Zip Code Extension: 2111
Facility Representative First Name: Not Reported
Facility Representative Last Name: Not Reported
Location Area Code: Not Reported
Location Phone Number: Not Reported
Location Phone Extension: Not Reported
Mailing Address: 10471 LOS ALAMITOS BLVD
Mailing City: LOS ALAMITOS
Mailing State: CA
Mailing Zip Code: 90720
Mailing Zip Code Extension: 2111
Mailing Area Code: Not Reported
Mailing Phone Number: Not Reported
Mailing Phone Extension: Not Reported
Mailing Representative First Name: Not Reported
Mailing Representative Last Name: Not Reported

More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
County-LUST-Open-CA	Open	0.13 miles W	27 ft (2 ft lower than site)	19
SITE NAME			**MAPS**	**ID**
CHEVRON #20-6285			1, 2, 4	RO0001344-ORG
ADDRESS			**CITY**	**ZIP**
10471 LOS ALAMITOS BLVD			LOS ALAMITOS	90720

DETAILS

County: Orange
Record ID: RO0001344
Case ID: 96UT016

Case Closed Date: Not Reported
Type of Closure: Not Reported
Status: Not Reported
Case Type Code: O
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-LUSTIS-CA	Listed	0.13 miles W	27 ft (2 ft lower than site)	19
SITE NAME			**MAPS**	**ID**
STANDARD OIL, FORMER			1, 2, 4	6522157
ADDRESS			**CITY**	**ZIP**
10471 LOS ALAMITOS BOULEVARD			LOS ALAMITOS	

DETAILS

Reported Date: 1998

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-Regional-Other-CA	Listed	0.13 miles W	27 ft (2 ft lower than site)	19
SITE NAME			**MAPS**	**ID**
FORMER STANDARD OIL			1, 2, 4	6522157
ADDRESS			**CITY**	**ZIP**
10471 LOS ALAMITOS BLVD			LOS ALAMITOS	90720
DETAILS				
Reported Date: 1998 List: Orange County-Groundwater Cleanup Program Agency: Orange County Health Care Agency				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-Regional-UST-CA	Listed	0.13 miles W	27 ft (2 ft lower than site)	19
SITE NAME			**MAPS**	**ID**
STANDARD OIL FORMER			1, 2, 4	6522157
ADDRESS			**CITY**	**ZIP**
10471 LOS ALAMITOS BOULEVARD			LOS ALAMITOS	
DETAILS				
Reported Date: 1998 List: Region #8-Santa Ana Regional Underground Tank Database List Agency: Regional Water Quality Control Board, Region #8				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
UST-Priority-CA	Listed	0.13 miles W	27 ft (2 ft lower than site)	19
SITE NAME			**MAPS**	**ID**
CHEVRON #20-6285			1, 2, 4	T0605901948
ADDRESS			**CITY**	**ZIP**
10471 LOS ALAMITOS BLVD			LOS ALAMITOS	90720

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DETAILS
Facility Information Global ID: T0605901948 Claim Number: 15930 SITE STATUS: Open - Site Assessment County: Orange Priority: D Rank: 1231 Report Date: 5/24/1995 Discovered Date: 5/24/1995 Claimant: CHEVRON U.S.A. INC. Lead Agency: ORANGE COUNTY LOP Regional Board: SANTA ANA RWQCB (REGION 8) GIS Information Agency Provided Longitude: -118.0720705 Agency Provided Latitude: 33.810646

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
County-LUST-Closed-CA	Closed	0.14 miles SE	29 ft (0 ft higher than site)	20
SITE NAME			**MAPS**	**ID**
ACE EQUIPMENT RENTAL			1, 2, 4	RO0001634-ORG
ADDRESS			**CITY**	**ZIP**
3686 CERRITOS AVE			LOS ALAMITOS	90720

DETAILS
County: Orange Record ID: RO0001634 Case ID: 94UT005 Case Closed Date: 3/29/1994 Type of Closure: Closure certification issued Status: Not Reported Case Type Code: S Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-LUSTIS-CA	Listed	0.14 miles SE	29 ft (0 ft higher than site)	20
SITE NAME			**MAPS**	**ID**
ACE EQUIPMENT RENTALS			1, 2, 4	4222
ADDRESS			**CITY**	**ZIP**
3686 CERRITOS AVENUE			LOS ALAMITOS	90702
DETAILS				
Reported Date: 1998				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-Regional-UST-CA	Listed	0.14 miles SE	29 ft (0 ft higher than site)	20
SITE NAME			**MAPS**	**ID**
ACE EQUIPMENT RENTALS			1, 2, 4	4222
ADDRESS			**CITY**	**ZIP**
3686 CERRITOS AVENUE			LOS ALAMITOS	
DETAILS				
Reported Date: 1998 List: Region #8-Santa Ana Regional Underground Tank Database List Agency: Regional Water Quality Control Board, Region #8				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
RCRA-NON-US	Listed	0.14 miles SE	29 ft (0 ft higher than site)	20
SITE NAME			**MAPS**	**ID**
SANTA ANA EQUIPMENT RENTALS			1, 2, 4	CAD981677263
ADDRESS			**CITY**	**ZIP**
3686 CERRITOS AVE			LOS ALAMITOS	90720

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DETAILS
Additional details may be found online using the following link: http://oaspub.epa.gov/enviro/fii_query_dtl.disp_program_facility?pgm_sys_id_in=CAD981677263&pgm_sys_acrnm_in=RCRAINFO Source Type: Notification Generator Status Universe: N Generator Status: Non-Generator Active Site Indicator: ----- Owner Name: SANTA ANA EQUIPMENT RENTALS Operator Name: NOT REQUIRED In Handler Universes: N In a Universe: N Short Term Generator: N Importer Activity: N Mixed Waste Generator: N Transporter Activity: N Transfer Facility: N Recycler Activity: N Onsite Burner Exemption: N Furnace Exemption: N Underground Injection Activity: N Receives Waste From Off-site: N Universal Waste: N Universal Waste Destination Facility: N Used Oil Universe: NNNNNNN Federal Universal Waste: N Active Site Federally Regulated TSDF: ------ Active Site Converter TSDF: ------ More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
AIR-DIST-CA	Listed	0.15 miles S	29 ft (0 ft higher than site)	21

SITE NAME	MAPS	ID
BONDAZE ENTERPRISES INC	1, 2, 4	142135-SC

ADDRESS	CITY	ZIP
3626 CERRITOS AVE	LOS ALAMITOS	90720

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DETAILS
District: South Coast AQMD Compliance URL: http://www3.aqmd.gov/webappl/fim/prog/novnc.aspx?fac_id=142135 Note: For additional Facility, Equipment, Emissions, Hearing Board or Transporation Plan Information click on different tabs. Facility Id: 142135 County Code: OR County: Orange Facility Status Code: A Facility Status: ACTIVE Number of Employees: 0 Location Zip Code Extension: Not Reported Facility Representative First Name: BONNIE Facility Representative Last Name: JARK Location Area Code: 562 Location Phone Number: 5966666 Location Phone Extension: Not Reported Mailing Address: 3626 CERRITOS AVE Mailing City: LOS ALAMITOS Mailing State: CA Mailing Zip Code: 90720 Mailing Zip Code Extension: Not Reported Mailing Area Code: 562 Mailing Phone Number: 5966666 Mailing Phone Extension: Not Reported Mailing Representative First Name: BONNIE Mailing Representative Last Name: JARK More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
RCRA-SQG-US	Listed	0.15 miles NE	30 ft (1 ft higher than site)	22
SITE NAME			**MAPS**	**ID**
LOS ALAMITOS HIGH SCHL			1, 2, 4	CAD982312118
ADDRESS			**CITY**	**ZIP**
3591 CERITOS AVE			LOS ALAMITOS	90720

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DETAILS

Additional details may be found online using the following link:

http://oaspub.epa.gov/enviro/fii_query_dtl.disp_program_facility?pgm_sys_id_in=CAD982312118&pgm_sys_acrnm_in=RCRAINFO

Source Type: Notification
Generator Status Universe: SQG
Generator Status: Small Quantity Generator
Active Site Indicator: H----
Owner Name: LOS ALAMITOS USD
Operator Name: NOT REQUIRED
In Handler Universes: Y
In a Universe: Y
Short Term Generator: N
Importer Activity: N
Mixed Waste Generator: N
Transporter Activity: N
Transfer Facility: N
Recycler Activity: N
Onsite Burner Exemption: N
Furnace Exemption: N
Underground Injection Activity: N
Receives Waste From Off-site: N
Universal Waste: N
Universal Waste Destination Facility: N
Used Oil Universe: NNNNNNN
Federal Universal Waste: N
Active Site Federally Regulated TSDF: ------
Active Site Converter TSDF: ------

More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
County-LUST-Closed-CA	Closed	0.15 miles SW	27 ft (2 ft lower than site)	**23**
SITE NAME			**MAPS**	**ID**
TEXACO TRADING & TRANS			1, 2, 4	RO0001149-ORG
ADDRESS			**CITY**	**ZIP**
3422 CERRITOS AVE			LOS ALAMITOS	90720

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DETAILS
County: Orange Record ID: RO0001149 Case ID: 85UT019 Case Closed Date: 9/26/1990 Type of Closure: Closure certification issued Status: Not Reported Case Type Code: O Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CRSP-CA	Listed	0.15 miles SW	27 ft (2 ft lower than site)	23
SITE NAME			**MAPS**	**ID**
TEXACO TRADING & TRANS			1, 2, 4	222320
ADDRESS			**CITY**	**ZIP**
3422 CERRITOS			LOS ALAMITOS	90720

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DETAILS
Site Regulated Program Information : Site ID: 222320 Site EI ID: T0605900324 Agency Provided Latitude: 33.810183 Agency Provided Longitude: -118.072885 Program Description: Leaking Underground Storage Tank Cleanup Site Evaluation Information : Not Reported Violation Information : Not Reported Enforcement Information : Not Reported Affiliation Information : Affiliation Type Description: Local Agency Caseworker Entity Name: KEVIN LAMBERT - ORANGE COUNTY LOP Entity Title: Not Reported Affiliate Address: 1241 E DYER ROAD SUITE 120 Affiliate City: SANTA ANA Affiliate State: CA Affiliate Zip Code: Not Reported Affiliate Country: Not Reported Affiliate Phone Number: 7144336261 Affiliation Type Description: Regional Board Caseworker More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
ENF-CA	Listed	0.15 miles SW	27 ft (2 ft lower than site)	23
SITE NAME			**MAPS**	**ID**
TEXACO TRADING & TRANS			1, 2, 4	T0605900324
ADDRESS			**CITY**	**ZIP**
3422 CERRITOS			LOS ALAMITOS	90720

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DETAILS
Global ID: T0605900324 County: Orange Site History: Not Reported Case Type: LUST Cleanup Site Status: Completed - Case Closed Lead Agency: ORANGE COUNTY LOP Case Worker: KL Local Agency: ORANGE COUNTY LOP RB Case Number: 083000406T Loc Case Number: 85UT019 File Location: Local Agency Potential Contaminants of Concern: Gasoline Potential Media Affected: Other Groundwater (uses other than drinking water) How Discovered: Tank Closure How Discovered Description: Not Reported Stop Method: Close and Remove Tank Stop Method Description: Not Reported Action Date: 1990-10-24 Action Type: ENFORCEMENT Action: Closure/No Further Action Letter

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-LUSTIS-CA	Listed	0.15 miles SW	27 ft (2 ft lower than site)	23
SITE NAME			**MAPS**	**ID**
TEXACO SERVICE STATION			1, 2, 4	933523
ADDRESS			**CITY**	**ZIP**
3422 CERRITOS AVENUE			LOS ALAMITOS	90720
DETAILS				
Reported Date: 1998				

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-Regional-Other-CA	Listed	0.15 miles SW	27 ft (2 ft lower than site)	23
SITE NAME			**MAPS**	**ID**
TEXACO TRADING & TRANS			1, 2, 4	933523
ADDRESS			**CITY**	**ZIP**
3422 CERRITOS AVE			LOS ALAMITOS	90720
DETAILS				
Reported Date: 1998 List: Orange County-Groundwater Cleanup Program Agency: Orange County Health Care Agency				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-UST-CA	Listed	0.15 miles SW	27 ft (2 ft lower than site)	23
SITE NAME			**MAPS**	**ID**
LOS ALAMITOS TANK FARM HEADQUA			1, 2, 4	246166
ADDRESS			**CITY**	**ZIP**
3422 CERRITOS			LOS ALAMITOS	90720
DETAILS				
Note: ID has been assigned by ERS Tank Details: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002EEF8.pdf County: Orange				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
LUST-Closed-CA	Completed - Case Closed	0.15 miles SW	27 ft (2 ft lower than site)	23
SITE NAME			**MAPS**	**ID**
TEXACO TRADING & TRANS			1, 2, 4	T0605900324
ADDRESS			**CITY**	**ZIP**
3422 CERRITOS			LOS ALAMITOS	90720

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DETAILS
Sites Details URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605900324 Global ID: T0605900324 Case Type: LUST Cleanup Site Status: Completed - Case Closed Status Date: 9/26/1990 CUF Case: NO Lead Agency: ORANGE COUNTY LOP Case Worker: KL Local Agency: ORANGE COUNTY LOP RB Case Number: 083000406T Loc Case Number: 85UT019 File Location: Local Agency Potential Contaminants of Concern: Gasoline Potential Media Affected: Other Groundwater (uses other than drinking water) Site History: Not Reported Begin Date: 2/7/1985 How Discovered: Tank Closure How Discovered Description: Not Reported Stop Method: Close and Remove Tank Stop Method Description: Not Reported Agency Provided Latitude: 33.810183 Agency Provided Longitude: -118.0728855 Regulatory Activities Details More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
County-Others-CA	Listed	0.16 miles SE	29 ft (0 ft higher than site)	24
SITE NAME			**MAPS**	**ID**
AMERICAN HARDWOOD FLOORS			1, 2, 4	RO0003530-ORG
ADDRESS			**CITY**	**ZIP**
3712 CERRITOS AVE			LOS ALAMITOS	90720

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DETAILS
County: Orange Type: Industrial Site Cleanups Case ID: 09IC018 Record ID: RO0003530 Released Substance(s: NAPHTHALENE Status Description: CLOSED Case Closed Date: 3/17/2011 Type of Closure: Closure certification issued

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
RCRA-SQG-US	Listed	0.16 miles SE	29 ft (0 ft higher than site)	24
SITE NAME			**MAPS**	**ID**
AMERICAN HARDWOOD FLOORS			1, 2, 4	CAR000180133
ADDRESS			**CITY**	**ZIP**
3712 CERRITOS AVE			LOS ALAMITOS	90720

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DETAILS
Additional details may be found online using the following link: http://oaspub.epa.gov/enviro/fii_query_dtl.disp_program_facility?pgm_sys_id_in=CAR000180133&pgm_sys_acrnm_in=RCRAINFO Source Type: Notification Generator Status Universe: SQG Generator Status: Small Quantity Generator NAICS1: FLOORING CONTRACTORS Active Site Indicator: H---- Owner Name: CARY CONLEY Operator Name: CARY CONLEY In Handler Universes: Y In a Universe: Y Short Term Generator: N Importer Activity: N Mixed Waste Generator: N Transporter Activity: N Transfer Facility: N Recycler Activity: N Onsite Burner Exemption: N Furnace Exemption: N Underground Injection Activity: N Receives Waste From Off-site: N Universal Waste: N Universal Waste Destination Facility: N Used Oil Universe: NNNNNNN Federal Universal Waste: N Active Site Federally Regulated TSDF: ------ More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CERS-CA	Listed	0.16 miles SW	27 ft (2 ft lower than site)	**25**
SITE NAME			**MAPS**	**ID**
SCE Cypress Substation			1, 2, 4	10174023
ADDRESS			**CITY**	**ZIP**
10551 Los Alamitos Blvd			Los Alamitos	90720

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DETAILS
General Program & Facility Information CERS ID: 10174023 Facility ID: FA0039890 Facility Regulator Key ID: Not Reported Organization Code: 90000229 Business/Organization Name: Southern California Edison, Transmission and Distribution Organization (TD) Multiple Jurisdictional Business? (Y/N): Yes Business Origin: Business Count of Business' CERS User Accounts: 48 Facility Count for Business: 924 Last Submittal Date (any element): 9/7/2016 3:34:04 PM Count of Submitted Elements: 28 Remote Facility? (Y/N): No Small Quantity Generator Facility? (Y/N): No Local Facility Grouping: Not Reported Facility Specific Information Assessor Parcel Number (APN): 242-224-02 Number of Employees: 0 Property Owner Name: Southern California Edison Property Owner Phone Number: (626) 302-1212 Property Owner Mailing Address: P.O. Box 800 (Attn: CES Compliance Gateway 6040) Property Owner Mailing City: Rosemead Property Owner Mailing State: CA Property Owner Mailing Zip Code: 91770 Property Owner Mailing Country: United States More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CERS-CA	Listed	0.16 miles SW	27 ft (2 ft lower than site)	25
SITE NAME			**MAPS**	**ID**
T-MOBILE WEST CORPORATION LA02873F			1, 2, 4	10624813
ADDRESS			**CITY**	**ZIP**
10551 Los Alamitos Blvd			Los Alamitos	90720

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DETAILS

General Program & Facility Information
CERS ID: 10624813
Facility ID: Not Reported
Facility Regulator Key ID: Not Reported
Organization Code: 90128011
Business/Organization Name: T-Mobile West Corporation
Multiple Jurisdictional Business? (Y/N): Yes
Business Origin: Business
Count of Business' CERS User Accounts: 9
Facility Count for Business: 3045
Last Submittal Date (any element): Not Reported
Count of Submitted Elements: 0
Remote Facility? (Y/N): No
Small Quantity Generator Facility? (Y/N): No
Local Facility Grouping: Not Reported

Facility Specific Information
Assessor Parcel Number (APN): Not Reported
Number of Employees: Not Reported
Property Owner Name: Not Reported
Property Owner Phone Number: Not Reported
Property Owner Mailing Address: Not Reported
Property Owner Mailing City: Not Reported
Property Owner Mailing State: Not Reported
Property Owner Mailing Zip Code: Not Reported
Property Owner Mailing Country: Not Reported
More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CRSP-CA	Listed	0.16 miles SW	27 ft (2 ft lower than site)	25
SITE NAME			**MAPS**	**ID**
SCE Cypress Substation			1, 2, 4	69383
ADDRESS			**CITY**	**ZIP**
10551 LOS ALAMITOS BLVD			LOS ALAMITOS	90720

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DETAILS
Site Regulated Program Information : Site ID: 69383 Site EI ID: 10174023 Agency Provided Latitude: 33.809412 Agency Provided Longitude: -118.071914 Program Description: Chemical Storage Facilities Evaluation Information : Evaluation Date: 9/17/2016 Violations Found? (Y/N): No Evaluation General Type: Other/Unknown Evaluation Type: Other, not routine, done by local agency Evaluation Note(s): CERS - accept BA/OW page - Facility Site Name changed Evaluation Division: Orange County Environmental Health Evaluation Program: HMRRP Evaluation Source: CERS Evaluation Date: 6/13/2016 Violations Found? (Y/N): No Evaluation General Type: Compliance Evaluation Inspection Evaluation Type: Routine done by local agency Evaluation Note(s): On site for routine hazardous materials and business emergency plan inspection. Consent to enter and inspect was given by Robert Johnson, Safety & Environmental Specialist. Observed the facility and inspected hazardous materials storage. The following ma Evaluation Division: Orange County Environmental Health Evaluation Program: HMRRP Evaluation Source: CERS More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-HWS-CA	Listed	0.16 miles S	28 ft (1 ft lower than site)	26
SITE NAME			**MAPS**	**ID**
BRIGGEMAN DISPOSAL SERVIC			1, 2, 4	57703
ADDRESS			**CITY**	**ZIP**
3551 SAUSALITO			LOS ALMITOS	920720000
DETAILS				
Reported Date: 1998				

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
AIR-DIST-CA	Listed	0.16 miles S	28 ft (1 ft lower than site)	27

SITE NAME	MAPS	ID
BRIGGEMAN DISPOSAL SERVICES INC	1, 2, 4	38024-SC

ADDRESS	CITY	ZIP
3551 SAUSALITO ST	LOS ALAMITOS	90720

DETAILS

District: South Coast AQMD
Compliance URL:
http://www3.aqmd.gov/webappl/fim/prog/novnc.aspx?fac_id=38024
Note: For additional Facility, Equipment, Emissions, Hearing Board or Transporation Plan Information click on different tabs.
Facility Id: 38024
County Code: OR
County: Orange
Facility Status Code: A
Facility Status: ACTIVE
Number of Employees: 0
Location Zip Code Extension: Not Reported
Facility Representative First Name: UNKNOWN
Facility Representative Last Name: UNKNOWN
Location Area Code: 714
Location Phone Number: 5274221
Location Phone Extension: Not Reported
Mailing Address: P O BOX 3237
Mailing City: LOS ALAMITOS
Mailing State: CA
Mailing Zip Code: 90720
Mailing Zip Code Extension: 0390
Mailing Area Code: 714
Mailing Phone Number: 5274221
Mailing Phone Extension: Not Reported
Mailing Representative First Name: UNKNOWN
Mailing Representative Last Name: UNKNOWN

More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
County-LUST-Closed-CA	Closed	0.16 miles S	28 ft (1 ft lower than site)	27
SITE NAME			**MAPS**	**ID**
BRIGGEMAN DISPOSAL SERVICES			1, 2, 4	RO0002185-ORG
ADDRESS			**CITY**	**ZIP**
3551 SAUSALITO ST			LOS ALAMITOS	90720

DETAILS

County: Orange
Record ID: RO0002185
Case ID: 93UT050

Case Closed Date: 12/15/2001
Type of Closure: Closure certification issued
Status: Not Reported
Case Type Code: O
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-LUSTIS-CA	Listed	0.16 miles S	28 ft (1 ft lower than site)	27
SITE NAME			**MAPS**	**ID**
BRIGGEMAN DISPOSAL SERVICE			1, 2, 4	57703
ADDRESS			**CITY**	**ZIP**
3551 SAUSALITO STREET			LOS ALAMITOS	90720

DETAILS

Reported Date: 1998

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-Regional-UST-CA	Listed	0.16 miles S	28 ft (1 ft lower than site)	27
SITE NAME			**MAPS**	**ID**
BRIGGEMAN DISPOSAL SERVICE			1, 2, 4	57703
ADDRESS			**CITY**	**ZIP**
3551 SAUSALITO STREET			LOS ALAMITOS	
DETAILS				
Reported Date: 1998 List: Region #8-Santa Ana Regional Underground Tank Database List Agency: Regional Water Quality Control Board, Region #8				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
RCRA-NON-US	Listed	0.16 miles S	28 ft (1 ft lower than site)	27
SITE NAME			**MAPS**	**ID**
GEMINI FOREST PRODUCTS			1, 2, 4	CAL000365771
ADDRESS			**CITY**	**ZIP**
3551 SAUSALITO ST			LOS ALAMITOS	90720

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DETAILS
Additional details may be found online using the following link: http://oaspub.epa.gov/enviro/fii_query_dtl.disp_program_facility?pgm_sys_id_in=CAL000365771&pgm_sys_acrnm_in=RCRAINFO Source Type: Implementer Generator Status Universe: N Generator Status: Non-Generator NAICS1: GENERAL AUTOMOTIVE REPAIR Active Site Indicator: H---- Owner Name: TED POLLARD Operator Name: TODD POLLARD In Handler Universes: Y In a Universe: Y Short Term Generator: N Importer Activity: N Mixed Waste Generator: N Transporter Activity: Y Transfer Facility: N Recycler Activity: N Onsite Burner Exemption: N Furnace Exemption: N Underground Injection Activity: N Receives Waste From Off-site: N Universal Waste: N Universal Waste Destination Facility: Y Used Oil Universe: NNNNNNN Federal Universal Waste: N Active Site Federally Regulated TSDF: ------ More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-CalFID-CA	Listed	0.16 miles E	28 ft (1 ft lower than site)	**28**
SITE NAME			**MAPS**	**ID**
FRED GUYS AUTO BODY INC			1, 2, 4	159489
ADDRESS			**CITY**	**ZIP**
3732 CERRITOS			LOS ALAMITOS	907200000
DETAILS				
Reported Date: 1998				

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
RCRA-NON-US	Listed	0.17 miles W	27 ft (2 ft lower than site)	29

SITE NAME	MAPS	ID
C & S MATERIAL SPECIALIST INC	1, 2, 4	CAL000434749

ADDRESS	CITY	ZIP
10311 LOS ALAMITOS BLVD	LOS ALAMITOS	90720

DETAILS

Additional details may be found online using the following link:

http://oaspub.epa.gov/enviro/fii_query_dtl.disp_program_facility?pgm_sys_id_in=CAL000434749&pgm_sys_acrnm_in=RCRAINFO

Source Type: Implementer
Generator Status Universe: N
Generator Status: Non-Generator
NAICS1: REUPHOLSTERY AND FURNITURE REPAIR
Active Site Indicator: H----
Owner Name: SCOTT S STRYKER
Operator Name: RAY SPINELLI
In Handler Universes: Y
In a Universe: Y
Short Term Generator: N
Importer Activity: N
Mixed Waste Generator: N
Transporter Activity: Y
Transfer Facility: N
Recycler Activity: N
Onsite Burner Exemption: N
Furnace Exemption: N
Underground Injection Activity: N
Receives Waste From Off-site: N
Universal Waste: N
Universal Waste Destination Facility: Y
Used Oil Universe: NNNNNNN
Federal Universal Waste: N
Active Site Federally Regulated TSDF: ------

More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
AIR-DIST-CA	Listed	0.17 miles SW	28 ft (1 ft lower than site)	**30**

SITE NAME	MAPS	ID
SWINGLE ENTERPRISES INC, G T AUTOMOTIVE	1, 2, 4	106785-SC

ADDRESS	CITY	ZIP
3400 CERRITOS AVE	LOS ALAMITOS	90720

DETAILS

District: South Coast AQMD
Compliance URL:
http://www3.aqmd.gov/webappl/fim/prog/novnc.aspx?fac_id=106785
Note: For additional Facility, Equipment, Emissions, Hearing Board or Transporation Plan Information click on different tabs.
Facility Id: 106785
County Code: OR
County: Orange
Facility Status Code: A
Facility Status: ACTIVE
Number of Employees: 0
Location Zip Code Extension: Not Reported
Facility Representative First Name: TOM
Facility Representative Last Name: SWINGLE
Location Area Code: 310
Location Phone Number: 7991777
Location Phone Extension: Not Reported
Mailing Address: 3400 CERRITOS AVE
Mailing City: LOS ALAMITOS
Mailing State: CA
Mailing Zip Code: 90720
Mailing Zip Code Extension: Not Reported
Mailing Area Code: 310
Mailing Phone Number: 7991777
Mailing Phone Extension: Not Reported
Mailing Representative First Name: TOM
Mailing Representative Last Name: SWINGLE

More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CERS-CA	Listed	0.17 miles SW	28 ft (1 ft lower than site)	**30**

SITE NAME	MAPS	ID
COASTLINE AUTO CARE	1, 2, 4	10559131

ADDRESS	CITY	ZIP
3400 CERRITOS AVE	LOS ALAMITOS	90720

DETAILS

General Program & Facility Information
CERS ID: 10559131
Facility ID: FA0049177
Facility Regulator Key ID: FA0049177
Organization Code: 90509008
Business/Organization Name: COASTLINE AUTO CARE
Multiple Jurisdictional Business? (Y/N): No
Business Origin: EDT
Count of Business' CERS User Accounts: 0
Facility Count for Business: 1
Last Submittal Date (any element): 11/1/2016 8:31:32 AM
Count of Submitted Elements: 3
Remote Facility? (Y/N): No
Small Quantity Generator Facility? (Y/N): No
Local Facility Grouping: Not Reported

Facility Specific Information
Assessor Parcel Number (APN): Not Reported
Number of Employees: 0
Property Owner Name: Not Reported
Property Owner Phone Number: Not Reported
Property Owner Mailing Address: Not Reported
Property Owner Mailing City: Not Reported
Property Owner Mailing State: Not Reported
Property Owner Mailing Zip Code: Not Reported
Property Owner Mailing Country: Not Reported

More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
County-Others-CA	Listed	0.17 miles SW	28 ft (1 ft lower than site)	30
SITE NAME			**MAPS**	**ID**
COASTLINE AUTO CARE			1, 2, 4	FA0049177-ORG
ADDRESS			**CITY**	**ZIP**
3400 CERRITOS AVE			LOS ALAMITOS	90720

DETAILS

County: Orange
Responsible Agency: Orange County Environmental Health
Type of Listing: Hazardous Waste Facilities
Facility ID: FA0049177
Date Run: 7/13/2018 5:50 PM

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CRSP-CA	Listed	0.17 miles SW	28 ft (1 ft lower than site)	30
SITE NAME			**MAPS**	**ID**
COASTLINE AUTO CARE			1, 2, 4	411002
ADDRESS			**CITY**	**ZIP**
3400 CERRITOS AVE			LOS ALAMITOS	90720

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DETAILS
Site Regulated Program Information : Site ID: 411002 Site EI ID: 10559131 Agency Provided Latitude: 33.809986 Agency Provided Longitude: -118.072754 Program Description: Chemical Storage Facilities Program Description: Hazardous Waste Generator Evaluation Information : Evaluation Date: 1/10/2017 Violations Found? (Y/N): No Evaluation General Type: Compliance Evaluation Inspection Evaluation Type: Routine done by local agency Evaluation Note(s): Onsite to conduct a routine hazardous waste inspection. Met with Ben Brooks. Inspected used oil, drained used oil/fuel filters, aqueous parts cleaner and waste antifreeze. Drums were provided with a lid, stored in a secure manner and appear to be in go Evaluation Division: Orange County Environmental Health Evaluation Program: HW Evaluation Source: CERS Evaluation Date: 12/30/2015 Violations Found? (Y/N): No Evaluation General Type: Other/Unknown Evaluation Type: Other, not routine, done by local agency Evaluation Note(s): This review was conducted by Brian Erdman. The Business Activities form is complete. The Business Owner Operator is complete. The Chemical Disclosure is complete. The Site map is complete. This submittal is accepted. Thank you Evaluation Division: Orange County Environmental Health More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-Auto Repair	Listed	0.17 miles SW	28 ft (1 ft lower than site)	30
SITE NAME			**MAPS**	**ID**
COASTLINE AUTO CARE			1, 2, 4	75439
ADDRESS			**CITY**	**ZIP**
3400 CERRITOS AVE			LOS ALAMITOS	90720
DETAILS				
Site Added: 1/1/2013				

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-Auto Repair	Listed	0.17 miles SW	28 ft (1 ft lower than site)	30
SITE NAME			**MAPS**	**ID**
G T AUTOMOTIVE			1, 2, 4	442848-PD
ADDRESS			**CITY**	**ZIP**
3400 CERRITOS AVE			LOS ALAMITOS	90720-2108
DETAILS				
Listing Year: 1997 SIC Category: AUTOMOBILE REPAIRING & SERVICE SIC Code: 753801				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
RCRA-NON-US	Listed	0.17 miles SW	28 ft (1 ft lower than site)	30
SITE NAME			**MAPS**	**ID**
M & N COASTLINE AUTO & TIRE SERVICE			1, 2, 4	CAL000317934
ADDRESS			**CITY**	**ZIP**
3400 CERRITOS AVE			LOS ALAMITOS	90720

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DETAILS
Additional details may be found online using the following link: http://oaspub.epa.gov/enviro/fii_query_dtl.disp_program_facility?pgm_sys_id_in=CAL000317934&pgm_sys_acrnm_in=RCRAINFO Source Type: Implementer Generator Status Universe: N Generator Status: Non-Generator NAICS1: GENERAL AUTOMOTIVE REPAIR Active Site Indicator: H---- Owner Name: RICHARD MINTZER Operator Name: BEN BROOKS In Handler Universes: Y In a Universe: Y Short Term Generator: N Importer Activity: N Mixed Waste Generator: N Transporter Activity: Y Transfer Facility: N Recycler Activity: N Onsite Burner Exemption: N Furnace Exemption: N Underground Injection Activity: N Receives Waste From Off-site: N Universal Waste: N Universal Waste Destination Facility: Y Used Oil Universe: NNNNNNN Federal Universal Waste: N Active Site Federally Regulated TSDF: ------ More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
AIR-DIST-CA	Listed	0.18 miles SE	29 ft (0 ft higher than site)	**31**
SITE NAME			**MAPS**	**ID**
OLYMPIC ORNAMENTAL IRON WORKS,J LAMBROU			1, 2, 4	100272-SC
ADDRESS			**CITY**	**ZIP**
3732 CERRITOS AVE			LOS ALAMITOS	90720

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DETAILS

District: South Coast AQMD
Compliance URL:
http://www3.aqmd.gov/webappl/fim/prog/novnc.aspx?fac_id=100272
Note: For additional Facility, Equipment, Emissions, Hearing Board or Transporation Plan Information click on different tabs.
Facility Id: 100272
County Code: OR
County: Orange
Facility Status Code: A
Facility Status: ACTIVE
Number of Employees: 2
Location Zip Code Extension: Not Reported
Facility Representative First Name: JOHN
Facility Representative Last Name: LAMBROU
Location Area Code: 310
Location Phone Number: 4301749
Location Phone Extension: Not Reported
Mailing Address: 3732 CERRITOS AVE UNIT A
Mailing City: LOS ALAMITOS
Mailing State: CA
Mailing Zip Code: 90720
Mailing Zip Code Extension: Not Reported
Mailing Area Code: 310
Mailing Phone Number: 4301749
Mailing Phone Extension: Not Reported
Mailing Representative First Name: JOHN
Mailing Representative Last Name: LAMBROU

More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-Auto Repair	Listed	0.18 miles SE	29 ft (0 ft higher than site)	**31**
SITE NAME			**MAPS**	**ID**
A & E AUTOMOTIVE			1, 2, 4	363831-PD
ADDRESS			**CITY**	**ZIP**
3732 CERRITOS AVE			LOS ALAMITOS	90720-2419

DETAILS

Listing Year: 1997
SIC Category: AUTOMOBILE REPAIRING & SERVICE
SIC Code: 753801

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-Auto Repair	Listed	0.18 miles SE	29 ft (0 ft higher than site)	31
SITE NAME			**MAPS**	**ID**
HUMPHREY & COOPER AUTOMOTIVE			1, 2, 4	462563-PD
ADDRESS			**CITY**	**ZIP**
3732 CERRITOS AVE			LOS ALAMITOS	90720-2419
DETAILS				
Listing Year: 1997 SIC Category: AUTOMOBILE REPAIRING & SERVICE SIC Code: 753801				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-CalFID-CA	Listed	0.18 miles S	26 ft (3 ft lower than site)	32
SITE NAME			**MAPS**	**ID**
ORANGE COUNTY ERECTORS			1, 2, 4	311256
ADDRESS			**CITY**	**ZIP**
3651 SAUSILITO			LOS ALAMITOS	907200000
DETAILS				
Reported Date: 1998				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-CalFID-CA	Listed	0.18 miles S	26 ft (3 ft lower than site)	32
SITE NAME			**MAPS**	**ID**
DART ROLLFORMERS INC			1, 2, 4	1188855
ADDRESS			**CITY**	**ZIP**
3651 SAUSILITO			LOS ALAMITOS	907200000

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DETAILS
Reported Date: 1998

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
RCRA-NON-US	Listed	0.18 miles S	26 ft (3 ft lower than site)	32
SITE NAME			**MAPS**	**ID**
DART ROLLFORMERS INC			1, 2, 4	CAD981442817
ADDRESS			**CITY**	**ZIP**
3651 SAUSILITO			LOS ALAMITOS	90720

DETAILS

Additional details may be found online using the following link:

http://oaspub.epa.gov/enviro/fii_query_dtl.disp_program_facility?pgm_sys_id_in=CAD981442817&pgm_sys_acrnm_in=RCRAINFO

Source Type: Notification
Generator Status Universe: N
Generator Status: Non-Generator
Active Site Indicator: -----
Owner Name: RICHARD LEWIS
Operator Name: NOT REQUIRED
In Handler Universes: N
In a Universe: N
Short Term Generator: N
Importer Activity: N
Mixed Waste Generator: N
Transporter Activity: N
Transfer Facility: N
Recycler Activity: N
Onsite Burner Exemption: N
Furnace Exemption: N
Underground Injection Activity: N
Receives Waste From Off-site: N
Universal Waste: N
Universal Waste Destination Facility: N
Used Oil Universe: NNNNNNN
Federal Universal Waste: N
Active Site Federally Regulated TSDF: ------
Active Site Converter TSDF: ------

More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
ALLFACS-IL	Listed	0.18 miles S	26 ft (3 ft lower than site)	**33**

SITE NAME	MAPS	ID
Duval	1, 2, 4	9060596174

ADDRESS	CITY	ZIP
3609 Sausalito	Los Alamitos	90720

DETAILS

URL:
http://epadata.epa.state.il.us/land/inventory/deepSeids.asp?B1=9060596174&strInvNo=9060596174
Inventory ID Number: 9060596174
Site ID: 170000860147
LatDD: Not Reported
LonDD: Not Reported
Interest Name: Duval
Loc PO Box: Not Reported
Loc Phone: 2135984211
Loc Contact: TOM BREWER
Loc Mail: Not Reported
Owner Name: DUVAL
Owner Street: 3609 SAUSALITO
Owner PO Box: Not Reported
Owner City: LOS ALAMITOS
Owner State: CA
Own Zip: 90720
Owner Phone: 2135984211
Owner Contact: Not Reported
Owner Mail: Not Reported
Operator Name: DUVAL
Operator Street: 3609 SAUSALITO
Operator PO Box: Not Reported
Operator City: LOS ALAMITOS
Operator State: CA
Operator Zip: 90720
Operator Phone: 2135984211
More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
AIR-DIST-CA	Listed	0.19 miles SE	29 ft (0 ft higher than site)	**34**

SITE NAME	MAPS	ID
GRATING PACIFIC INC	1, 2, 4	96160-SC

ADDRESS	CITY	ZIP
3651 SAUSALITO ST	LOS ALAMITOS	90720

DETAILS

District: South Coast AQMD
Compliance URL:
http://www3.aqmd.gov/webappl/fim/prog/novnc.aspx?fac_id=96160
Note: For additional Facility, Equipment, Emissions, Hearing Board or Transporation Plan Information click on different tabs.
Facility Id: 96160
County Code: OR
County: Orange
Facility Status Code: A
Facility Status: ACTIVE
Number of Employees: 16
Location Zip Code Extension: Not Reported
Facility Representative First Name: RONALD
Facility Representative Last Name: ROBERTSON
Location Area Code: 310
Location Phone Number: 5984314
Location Phone Extension: Not Reported
Mailing Address: 3651 SAUSALITO ST
Mailing City: LOS ALAMITOS
Mailing State: CA
Mailing Zip Code: 90720
Mailing Zip Code Extension: Not Reported
Mailing Area Code: 310
Mailing Phone Number: 5984314
Mailing Phone Extension: Not Reported
Mailing Representative First Name: RONALD
Mailing Representative Last Name: ROBERTSON

More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CERS-CA	Listed	0.19 miles SE	29 ft (0 ft higher than site)	**34**

SITE NAME	MAPS	ID
GRATING PACIFIC INC	1, 2, 4	10539691

ADDRESS	CITY	ZIP
3651 SAUSALITO ST	LOS ALAMITOS	90720

DETAILS

General Program & Facility Information
CERS ID: 10539691
Facility ID: FA0027582
Facility Regulator Key ID: FA0027582
Organization Code: 90479308
Business/Organization Name: GRATING PACIFIC INC
Multiple Jurisdictional Business? (Y/N): No
Business Origin: EDT
Count of Business' CERS User Accounts: 0
Facility Count for Business: 1
Last Submittal Date (any element): Not Reported
Count of Submitted Elements: 0
Remote Facility? (Y/N): No
Small Quantity Generator Facility? (Y/N): No
Local Facility Grouping: Not Reported

Facility Specific Information
Assessor Parcel Number (APN): Not Reported
Number of Employees: Not Reported
Property Owner Name: Not Reported
Property Owner Phone Number: Not Reported
Property Owner Mailing Address: Not Reported
Property Owner Mailing City: Not Reported
Property Owner Mailing State: Not Reported
Property Owner Mailing Zip Code: Not Reported
Property Owner Mailing Country: Not Reported
More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-RCRIS-US	Listed	0.19 miles SE	29 ft (0 ft higher than site)	34
SITE NAME			**MAPS**	**ID**
DART ROLLFORMERS INC			1, 2, 4	1188855
ADDRESS			**CITY**	**ZIP**
3651 SAUSALITO ST BLDG 101			LOS ANGELES	90720
DETAILS				
Reported Date: 1998				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-UST-CA	Listed	0.19 miles SE	29 ft (0 ft higher than site)	34
SITE NAME			**MAPS**	**ID**
DART ROLLFORMERS INC			1, 2, 4	224818
ADDRESS			**CITY**	**ZIP**
3651 SAUSALITO ST			LOS ALAMITOS	90720
DETAILS				
Note: ID has been assigned by ERS Tank Details: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002E83C.pdf County: Orange				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
RCRA-NON-US	Listed	0.19 miles SE	29 ft (0 ft higher than site)	34
SITE NAME			**MAPS**	**ID**
DART ROLLFORMERS INC			1, 2, 4	CAD983604851
ADDRESS			**CITY**	**ZIP**
3651 SAUSALITO ST BLDG 101			LOS ALAMITOS	90720

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DETAILS
Additional details may be found online using the following link: http://oaspub.epa.gov/enviro/fii_query_dtl.disp_program_facility?pgm_sys_id_in=CAD983604851&pgm_sys_acrnm_in=RCRAINFO Source Type: Notification Generator Status Universe: N Generator Status: Non-Generator Active Site Indicator: ----- Owner Name: DENNIS B DE ZONIA In Handler Universes: N In a Universe: N Short Term Generator: N Importer Activity: N Mixed Waste Generator: N Transporter Activity: N Transfer Facility: N Recycler Activity: N Onsite Burner Exemption: N Furnace Exemption: N Underground Injection Activity: N Receives Waste From Off-site: N Universal Waste: N Universal Waste Destination Facility: N Used Oil Universe: NNNNNNN Federal Universal Waste: N Active Site Federally Regulated TSDF: ------ Active Site Converter TSDF: ------ Active Site State Regulated TSDF: --------- More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CERS-CA	Listed	0.19 miles S	25 ft (4 ft lower than site)	**35**
SITE NAME			**MAPS**	**ID**
GEMINI FOREST PRODUCTS			1, 2, 4	10522006
ADDRESS			**CITY**	**ZIP**
3551 BRIGGEMAN ST			LOS ALAMITOS	90720

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DETAILS

General Program & Facility Information
CERS ID: 10522006
Facility ID: FA0038462
Facility Regulator Key ID: FA0038462
Organization Code: 90452221
Business/Organization Name: GEMINI FOREST PRODUCTS
Multiple Jurisdictional Business? (Y/N): No
Business Origin: EDT
Count of Business' CERS User Accounts: 0
Facility Count for Business: 1
Last Submittal Date (any element): 12/20/2016 1:09:05 PM
Count of Submitted Elements: 3
Remote Facility? (Y/N): No
Small Quantity Generator Facility? (Y/N): No
Local Facility Grouping: Not Reported

Facility Specific Information
Assessor Parcel Number (APN): Not Reported
Number of Employees: 0
Property Owner Name: Not Reported
Property Owner Phone Number: Not Reported
Property Owner Mailing Address: Not Reported
Property Owner Mailing City: Not Reported
Property Owner Mailing State: Not Reported
Property Owner Mailing Zip Code: Not Reported
Property Owner Mailing Country: Not Reported
More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
County-Others-CA	Listed	0.19 miles S	25 ft (4 ft lower than site)	**35**

SITE NAME	MAPS	ID
GEMINI FOREST PRODUCTS	1, 2, 4	FA0038462-ORG

ADDRESS	CITY	ZIP
3551 BRIGGEMAN ST	LOS ALAMITOS	90720

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DETAILS
County: Orange Responsible Agency: Orange County Environmental Health Type of Listing: Hazardous Waste Facilities Facility ID: FA0038462 Date Run: 7/13/2018 5:50 PM

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CRSP-CA	Listed	0.19 miles S	25 ft (4 ft lower than site)	35
SITE NAME			**MAPS**	**ID**
BRIGGEMAN DISPOSAL SERVICES			1, 2, 4	231984
ADDRESS			**CITY**	**ZIP**
3551 SAUSALITO			LOS ALAMITOS	90720

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DETAILS
Site Regulated Program Information : Site ID: 231984 Site EI ID: T0605901688 Agency Provided Latitude: 33.808924 Agency Provided Longitude: -118.070792 Program Description: Leaking Underground Storage Tank Cleanup Site Evaluation Information : Not Reported Violation Information : Not Reported Enforcement Information : Not Reported Affiliation Information : Affiliation Type Description: Local Agency Caseworker Entity Name: KEVIN LAMBERT - ORANGE COUNTY LOP Entity Title: Not Reported Affiliate Address: 1241 E DYER ROAD SUITE 120 Affiliate City: SANTA ANA Affiliate State: CA Affiliate Zip Code: Not Reported Affiliate Country: Not Reported Affiliate Phone Number: 7144336261 Affiliation Type Description: Regional Board Caseworker More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CRSP-CA	Listed	0.19 miles S	25 ft (4 ft lower than site)	35
SITE NAME			**MAPS**	**ID**
GEMINI FOREST PRODUCTS			1, 2, 4	415202
ADDRESS			**CITY**	**ZIP**
3551 BRIGGEMAN ST			LOS ALAMITOS	90720

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DETAILS
Site Regulated Program Information : Site ID: 415202 Site EI ID: 10522006 Agency Provided Latitude: 33.80893 Agency Provided Longitude: -118.07079 Program Description: Chemical Storage Facilities Program Description: Hazardous Waste Generator Evaluation Information : Evaluation Date: 9/1/2016 Violations Found? (Y/N): No Evaluation General Type: Other/Unknown Evaluation Type: Other, not routine, done by local agency Evaluation Note(s): RUR received regarding the returned billing. The mailing address changed as per the E Submit Business Owner / Operator Form. The mailing address is: Gemini Forest Products P.O. Box 105 Los Alamitos CA 90720 Evaluation Division: Orange County Environmental Health Evaluation Program: HMRRP Evaluation Source: CERS Evaluation Date: 5/3/2016 Violations Found? (Y/N): No Evaluation General Type: Compliance Evaluation Inspection Evaluation Type: Routine done by local agency Evaluation Note(s): On site to conduct a routine Hazardous Materials Business Emergency Plan inspection. Consent to inspect and take photos was provided by Todd Pollard. A walk through of the facility was conducted. The following Hazardous Substances were observed being sto Evaluation Division: Orange County Environmental Health More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-SWIS-CA	Listed	0.19 miles S	25 ft (4 ft lower than site)	35
SITE NAME			**MAPS**	**ID**
LOS ALAMITOS & CYPRESS DISPOSAL			1, 2, 4	5740139
ADDRESS			**CITY**	**ZIP**
3551 SAUSALITO			LOS ALAMITOS	
DETAILS				
Reported Date: 1998				

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-WMUDS-CA	Listed	0.19 miles S	25 ft (4 ft lower than site)	35
SITE NAME			**MAPS**	**ID**
LOS ALAMITOS & CYPRESS DISPOSA			1, 2, 4	1188862
ADDRESS			**CITY**	**ZIP**
3551 SAUSALITO			LOS ALAMITOS	
DETAILS				
Reported Date: 1998				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
LUST-Closed-CA	Completed - Case Closed	0.19 miles S	25 ft (4 ft lower than site)	35
SITE NAME			**MAPS**	**ID**
BRIGGEMAN DISPOSAL SERVICES			1, 2, 4	T0605901688
ADDRESS			**CITY**	**ZIP**
3551 SAUSALITO			LOS ALAMITOS	90720

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DETAILS
Sites Details URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605901688 Global ID: T0605901688 Case Type: LUST Cleanup Site Status: Completed - Case Closed Status Date: 12/15/2001 CUF Case: YES Lead Agency: ORANGE COUNTY LOP Case Worker: KL Local Agency: ORANGE COUNTY LOP RB Case Number: 083002315T Loc Case Number: 93UT050 File Location: Local Agency Potential Contaminants of Concern: Gasoline Potential Media Affected: Other Groundwater (uses other than drinking water) Site History: Not Reported Begin Date: 8/13/1992 How Discovered: Tank Closure How Discovered Description: Not Reported Stop Method: Close and Remove Tank Stop Method Description: Not Reported Agency Provided Latitude: 33.808924 Agency Provided Longitude: -118.070792 Regulatory Activities Details More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
NEI-LF-CA	Listed	0.19 miles S	25 ft (4 ft lower than site)	35

SITE NAME	MAPS	ID
Los Alamitos & Cypress Disposal	1, 2, 4	LF3668

ADDRESS	CITY	ZIP
3551 E SAUSALITO ST	LOS ALAMITOS	90720

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DETAILS
County: Orange Facility Registry Identifier: NTICA0592037 Facility Category: Area SIC Primary: 4953 NAICS Primary: 562212 Site Description: Not Reported

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
RCRA-SQG-US	Listed	0.19 miles S	25 ft (4 ft lower than site)	35
SITE NAME			**MAPS**	**ID**
BRIGGEMAN DISPOSAL SERVICE INC			1, 2, 4	CAD981677594
ADDRESS			**CITY**	**ZIP**
3551 SAUALITO			LOS ALAMITOS	90720

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DETAILS
Additional details may be found online using the following link: http://oaspub.epa.gov/enviro/fii_query_dtl.disp_program_facility?pgm_sys_id_in=CAD981677594&pgm_sys_acrnm_in=RCRAINFO Source Type: Notification Generator Status Universe: SQG Generator Status: Small Quantity Generator Active Site Indicator: H---- Owner Name: BRIGGEMAN DISP Operator Name: NOT REQUIRED In Handler Universes: Y In a Universe: Y Short Term Generator: N Importer Activity: N Mixed Waste Generator: N Transporter Activity: N Transfer Facility: N Recycler Activity: N Onsite Burner Exemption: N Furnace Exemption: N Underground Injection Activity: N Receives Waste From Off-site: N Universal Waste: N Universal Waste Destination Facility: N Used Oil Universe: NNNNNNN Federal Universal Waste: N Active Site Federally Regulated TSDF: ------ Active Site Converter TSDF: ------ More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
HWT-CA	Listed	0.2 miles SW	26 ft (3 ft lower than site)	**36**
SITE NAME			**MAPS**	**ID**
LOS ALAMITOS/CYPRESS DISPOSAL CO.			1, 2, 4	1846
ADDRESS			**CITY**	**ZIP**
10608 LOS ALAMITOS BLVD.			LOS ALAMITOS	90720

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DETAILS
URL: http://hwts.dtsc.ca.gov/hwts_Reports/ReportPages/Report04.aspx?trans=1846 Registration Number: 1846 Registration Date: 3/31/1986 Expiration Date: 3/31/1987 Last Updated: 4/28/1993 Record Entered: 4/1/1985 Standing Flag: Expired County: ORANGE Mailing Address: P. O. BOX 3237 LOS ALAMITOS, CA 90720 Contact: GEORGE S. BRIGGEMAN SR Position: PRES. Contact Number: 7145274221 Owner(s): GEORGE S. BRIGGEMAN, SR. GEORGE S. BRIGGEMAN, JR. YVONNE BRIGGEMAN, JR. EPA ID(s): CAX000094532

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
RCRA-NON-US	Listed	0.2 miles SE	30 ft (1 ft higher than site)	**37**
SITE NAME			**MAPS**	**ID**
PUBLIC STORAGE 20184			1, 2, 4	CAC002986207
ADDRESS			**CITY**	**ZIP**
3752 CERRITOS AVE			LOS ALAMITOS	90720

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DETAILS
Additional details may be found online using the following link: http://oaspub.epa.gov/enviro/fii_query_dtl.disp_program_facility?pgm_sys_id_in=CAC002986207&pgm_sys_acrnm_in=RCRAINFO Source Type: Implementer Generator Status Universe: N Generator Status: Non-Generator NAICS1: LESSORS OF MINIWAREHOUSES AND SELF-STORAGE UNITS Active Site Indicator: ----- Owner Name: PUBLIC STORAGE Operator Name: CLINT MCREYNOLDS In Handler Universes: N In a Universe: N Short Term Generator: N Importer Activity: N Mixed Waste Generator: N Transporter Activity: N Transfer Facility: N Recycler Activity: N Onsite Burner Exemption: N Furnace Exemption: N Underground Injection Activity: N Receives Waste From Off-site: N Universal Waste: N Universal Waste Destination Facility: Y Used Oil Universe: NNNNNNN Federal Universal Waste: N Active Site Federally Regulated TSDF: ------ More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
RCRA-NON-US	Listed	0.2 miles W	26 ft (3 ft lower than site)	**38**
SITE NAME			**MAPS**	**ID**
TRI-ZONE INC			1, 2, 4	CAL000375052
ADDRESS			**CITY**	**ZIP**
3380 CERRITOS AVE			LOS ALAMITOS	90720

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DETAILS
Additional details may be found online using the following link: http://oaspub.epa.gov/enviro/fii_query_dtl.disp_program_facility?pgm_sys_id_in=CAL000375052&pgm_sys_acrnm_in=RCRAINFO Source Type: Implementer Generator Status Universe: N Generator Status: Non-Generator NAICS1: SPORTING GOODS STORES Active Site Indicator: H---- Owner Name: TRI-ZONE INC Operator Name: GAYLA GREELEY In Handler Universes: Y In a Universe: Y Short Term Generator: N Importer Activity: N Mixed Waste Generator: N Transporter Activity: Y Transfer Facility: N Recycler Activity: N Onsite Burner Exemption: N Furnace Exemption: N Underground Injection Activity: N Receives Waste From Off-site: N Universal Waste: N Universal Waste Destination Facility: Y Used Oil Universe: NNNNNNN Federal Universal Waste: N Active Site Federally Regulated TSDF: ------ More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
HWT-CA	Listed	0.21 miles W	27 ft (2 ft lower than site)	39
SITE NAME			**MAPS**	**ID**
ENVIRONMENTAL ENHANCEMENT CORPORATION			1, 2, 4	2862
ADDRESS			**CITY**	**ZIP**
3355 CERRITOS AVENUE			LOS ALAMITOS	90720

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DETAILS
URL: http://hwts.dtsc.ca.gov/hwts_Reports/ReportPages/Report04.aspx?trans=2862 Registration Number: 2862 Registration Date: 11/30/1990 Expiration Date: 11/30/1991 Last Updated: 4/28/1993 Record Entered: 12/24/1990 Standing Flag: Expired County: ORANGE Mailing Address: 3355 CERRITOS AVENUE LOS ALAMITOS, CA 90720 Contact: ROBERT C. BAXTER JR. Position: VICE PRESIDENT Contact Number: 2134933595 Owner(s): LOUIS E. STOCKTON ROBERT C. BAXTER JR. STANLEY HARTFORD EPA ID(s): CAD982491904

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
RCRA-NON-US	Listed	0.21 miles W	27 ft (2 ft lower than site)	39
SITE NAME			**MAPS**	**ID**
ENVIRONMENTAL ENHANCEMENT CORP			1, 2, 4	CAD982491904
ADDRESS			**CITY**	**ZIP**
3355 CERRITOS AVE			LOS ALAMITOS	90720

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DETAILS
Additional details may be found online using the following link: http://oaspub.epa.gov/enviro/fii_query_dtl.disp_program_facility?pgm_sys_id_in=CAD982491904&pgm_sys_acrnm_in=RCRAINFO Source Type: Notification Generator Status Universe: N Generator Status: Non-Generator Active Site Indicator: H---- Owner Name: BAXTER ROBERT JR Operator Name: NOT REQUIRED In Handler Universes: Y In a Universe: Y Short Term Generator: N Importer Activity: N Mixed Waste Generator: N Transporter Activity: Y Transfer Facility: N Recycler Activity: N Onsite Burner Exemption: N Furnace Exemption: N Underground Injection Activity: N Receives Waste From Off-site: N Universal Waste: N Universal Waste Destination Facility: N Used Oil Universe: NNNNNNN Federal Universal Waste: N Active Site Federally Regulated TSDF: ------ Active Site Converter TSDF: ------ More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Cleaners-CA	Listed	0.21 miles SW	27 ft (2 ft lower than site)	**40**
SITE NAME			**MAPS**	**ID**
Magic Cleaners			1, 2, 4	16969
ADDRESS			**CITY**	**ZIP**
3451 Sausalito St			Los Alamitos	90720

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DETAILS
Facility and Program Information County: Orange Executive First Name: Noe Executive Last Name: Galvan Professional Title: Not Reported Executive Title: Manager Executive Gender: Male ZIP Four: 2123 Carrier Route: C001 Delivery Point Barcode: 518 Metro Area: LA-Long Bch, CA Neighborhood: Not Reported Phone Number Combined: Not Available Fax Number Combined: 0 Toll Free Number Combined: 0 Website: Not Reported Company Description: Not Reported Primary SIC Code: 721201 Primary SIC Description: Cleaners Primary SIC Ad Size: Not Reported Primary SIC Year Appeared: 2017 SIC Code 1: 721201 SIC Code 1 Description: Cleaners SIC Code 1 Ad Size: Not Reported SIC Code 1 Year Appeared: Not Reported SIC Code 2: Not Reported SIC Code 2 Description: Not Reported More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
County-LUST-Closed-CA	Closed	0.21 miles S	26 ft (3 ft lower than site)	41
SITE NAME			**MAPS**	**ID**
AEROMOTORS			1, 2, 4	RO0001484-ORG
ADDRESS			**CITY**	**ZIP**
10650 LOS ALAMITOS BLVD			LOS ALAMITOS	90720

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DETAILS
County: Orange Record ID: RO0001484 Case ID: 89UT101 Case Closed Date: 6/10/2004 Type of Closure: Closure certification issued Status: Not Reported Case Type Code: O Released Substance: Oil & grease waste Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
County-Others-CA	Listed	0.21 miles S	26 ft (3 ft lower than site)	41
SITE NAME			**MAPS**	**ID**
AEROMOTORS			1, 2, 4	RO0003372-ORG
ADDRESS			**CITY**	**ZIP**
10650 LOS ALAMITOS BLVD			LOS ALAMITOS	90720
DETAILS				
County: Orange Type: Industrial Site Cleanups Case ID: 05IC022 Record ID: RO0003372 Released Substance(s: BENZENE TOLUENE ETHYLBENZENE XYLENE Status Description: CLOSED Case Closed Date: 6/19/2006 Type of Closure: Voluntary Cleanup Program Termination				

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
County-Others-CA	Listed	0.21 miles S	26 ft (3 ft lower than site)	41
SITE NAME			**MAPS**	**ID**
AEROMOTORS			1, 2, 4	RO0003605-ORG
ADDRESS			**CITY**	**ZIP**
10650 LOS ALAMITOS BLVD			LOS ALAMITOS	90720

DETAILS

County: Orange
Type: Industrial Site Cleanups
Case ID: 13IC016
Record ID: RO0003605
Released Substance(s: Not Reported
Status Description: CLOSED
Case Closed Date: 7/18/2014
Type of Closure: Voluntary
Cleanup Program
Termination

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-LUSTIS-CA	Listed	0.21 miles S	26 ft (3 ft lower than site)	41
SITE NAME			**MAPS**	**ID**
AERO MOTORS			1, 2, 4	1585965
ADDRESS			**CITY**	**ZIP**
10650 LOS ALAMITOS BOULEVARD			LOS ALAMITOS	90736

DETAILS

Reported Date: 1998

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-Regional-UST-CA	Listed	0.21 miles S	26 ft (3 ft lower than site)	41
SITE NAME			**MAPS**	**ID**
AERO MOTORS			1, 2, 4	1585965
ADDRESS			**CITY**	**ZIP**
10650 LOS ALAMITOS BOULEVARD			LOS ALAMITOS	
DETAILS				
Reported Date: 1998 List: Region #8-Santa Ana Regional Underground Tank Database List Agency: Regional Water Quality Control Board, Region #8				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-UST-CA	Listed	0.21 miles S	26 ft (3 ft lower than site)	41
SITE NAME			**MAPS**	**ID**
AERO MOTORS/BARGAIN RENT-A-CAR			1, 2, 4	212119
ADDRESS			**CITY**	**ZIP**
10650 LOS ALAMITOS BLVD			LOS ALAMITOS	90720
DETAILS				
Note: ID has been assigned by ERS Tank Details: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002EAD3.pdf County: Orange				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
AIR-DIST-CA	Listed	0.22 miles S	26 ft (3 ft lower than site)	42
SITE NAME			**MAPS**	**ID**
CONSOLIDATED FREIGHTWAYS			1, 2, 4	70905-SC
ADDRESS			**CITY**	**ZIP**
10651 REAGAN ST			LOS ALAMITOS	90720

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DETAILS
District: South Coast AQMD Compliance URL: http://www3.aqmd.gov/webappl/fim/prog/novnc.aspx?fac_id=70905 Note: For additional Facility, Equipment, Emissions, Hearing Board or Transporation Plan Information click on different tabs. Facility Id: 70905 County Code: OR County: Orange Facility Status Code: A Facility Status: ACTIVE Number of Employees: 0 Location Zip Code Extension: 2459 Facility Representative First Name: Not Reported Facility Representative Last Name: Not Reported Location Area Code: Not Reported Location Phone Number: Not Reported Location Phone Extension: Not Reported Mailing Address: 10651 REAGAN ST Mailing City: LOS ALAMITOS Mailing State: CA Mailing Zip Code: 90720 Mailing Zip Code Extension: 2459 Mailing Area Code: Not Reported Mailing Phone Number: Not Reported Mailing Phone Extension: Not Reported Mailing Representative First Name: Not Reported Mailing Representative Last Name: Not Reported More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
County-LUST-Closed-CA	Closed	0.22 miles S	26 ft (3 ft lower than site)	42
SITE NAME			**MAPS**	**ID**
CONSOLIDATED FREIGHTWAYS INC			1, 2, 4	RO0002667-ORG
ADDRESS			**CITY**	**ZIP**
10651 REAGAN ST			LOS ALAMITOS	90720

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DETAILS
County: Orange Record ID: RO0002667 Case ID: 92UT117 Case Closed Date: 2/21/2002 Type of Closure: Closure certification issued Status: Not Reported Case Type Code: O Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
County-Others-CA	Listed	0.22 miles S	26 ft (3 ft lower than site)	42
SITE NAME			**MAPS**	**ID**
Consolidated Freightways			1, 2, 4	8 30I006410-ORG
ADDRESS			**CITY**	**ZIP**
10651 Reagan St			Los Alamitos	90720

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DETAILS
Industrial Permit Information County: Orange Type: Industrial General Permits GIS Mapper URL: http://app102283.giscloud.com/ URL Instructions: Go to URL, under search, enter industrial and Select Industrial General Permits Mapper. WD ID: 8 30I006410 Application ID: 208586 Permit Type: Industrial Status: Terminated Status Date: 4/24/1992 Owner/Operator Name: Consolidated Freightways Owner/Operator Address: PO Box 871510 Owner/Operator City: Vancouver Owner/Operator State: Washington Owner/Operator Zip: 98687 Country: United States Agency Provided Longitude: -117.7736333 Agency Provided Latitude: 33.67801089 B Type Inspections from 2009-2014 : Not Reported

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CRSP-CA	Listed	0.22 miles S	26 ft (3 ft lower than site)	**42**
SITE NAME			**MAPS**	**ID**
CONSOLIDATED FREIGHTWAYS INC			1, 2, 4	260301
ADDRESS			**CITY**	**ZIP**
10651 REAGAN			LOS ALAMITOS	90720

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DETAILS
Site Regulated Program Information : Site ID: 260301 Site EI ID: T0605901595 Agency Provided Latitude: 33.808098 Agency Provided Longitude: -118.069258 Program Description: Leaking Underground Storage Tank Cleanup Site Evaluation Information : Not Reported Violation Information : Not Reported Enforcement Information : Not Reported Affiliation Information : Affiliation Type Description: Local Agency Caseworker Entity Name: KEVIN LAMBERT - ORANGE COUNTY LOP Entity Title: Not Reported Affiliate Address: 1241 E DYER ROAD SUITE 120 Affiliate City: SANTA ANA Affiliate State: CA Affiliate Zip Code: Not Reported Affiliate Country: Not Reported Affiliate Phone Number: 7144336261 Affiliation Type Description: Regional Board Caseworker More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
ENF-CA	Listed	0.22 miles S	26 ft (3 ft lower than site)	42
SITE NAME			**MAPS**	**ID**
CONSOLIDATED FREIGHTWAYS INC			1, 2, 4	T0605901595
ADDRESS			**CITY**	**ZIP**
10651 REAGAN			LOS ALAMITOS	90720

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DETAILS
Global ID: T0605901595 County: Orange Site History: Not Reported Case Type: LUST Cleanup Site Status: Completed - Case Closed Lead Agency: ORANGE COUNTY LOP Case Worker: KL Local Agency: ORANGE COUNTY LOP RB Case Number: 083002156T Loc Case Number: 92UT117 File Location: Local Agency Potential Contaminants of Concern: Gasoline Potential Media Affected: Other Groundwater (uses other than drinking water) How Discovered: Tank Closure How Discovered Description: Not Reported Stop Method: Close and Remove Tank Stop Method Description: Not Reported Action Date: 2002-02-21 Action Type: ENFORCEMENT Action: Closure/No Further Action Letter

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-Auto Repair	Listed	0.22 miles S	26 ft (3 ft lower than site)	42
SITE NAME			**MAPS**	**ID**
LAND N SEA MOBILE MECHANIC SVC			1, 2, 4	489864-PD
ADDRESS			**CITY**	**ZIP**
10651 REAGAN ST			LOS ALAMITOS	90720-2459
DETAILS				
Listing Year: 1997 SIC Category: BOAT REPAIRING SIC Code: 449304				

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-CalFID-CA	Listed	0.22 miles S	26 ft (3 ft lower than site)	42
SITE NAME			**MAPS**	**ID**
CONSOLIDATED FREIGHTWAYS INC			1, 2, 4	4988866
ADDRESS			**CITY**	**ZIP**
10651 REAGAN ST			LOS ALIMITOS	90720
DETAILS				
Reported Date: 1998				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-HWS-CA	Listed	0.22 miles S	26 ft (3 ft lower than site)	42
SITE NAME			**MAPS**	**ID**
CONSOLIDATED FREIGHTWAYS			1, 2, 4	4988866
ADDRESS			**CITY**	**ZIP**
10651 REAGAN			LOS ALAMITOS	907200000
DETAILS				
Reported Date: 1998				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-LUSTIS-CA	Listed	0.22 miles S	26 ft (3 ft lower than site)	42
SITE NAME			**MAPS**	**ID**
CONSOLIDATED FREIGHTWAYS, INC.			1, 2, 4	4988866
ADDRESS			**CITY**	**ZIP**
10651 REAGAN STREET			LOS ALAMITOS	90720
DETAILS				
Reported Date: 1998				

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-Regional-Other-CA	Listed	0.22 miles S	26 ft (3 ft lower than site)	42
SITE NAME			**MAPS**	**ID**
CONSOLIDATED FREIGHTWAYS INC			1, 2, 4	4988866
ADDRESS			**CITY**	**ZIP**
10651 REAGAN ST			LOS ALAMITOS	90720
DETAILS				
Reported Date: 1998 List: Orange County-Groundwater Cleanup Program Agency: Orange County Health Care Agency				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-UST-CA	Listed	0.22 miles S	26 ft (3 ft lower than site)	42
SITE NAME			**MAPS**	**ID**
COMSOLIDATED FREIGHTWAYS			1, 2, 4	223119
ADDRESS			**CITY**	**ZIP**
10651 REAGAN STREET			LOS ALAMITOS	90021
DETAILS				
Note: ID has been assigned by ERS Tank Details: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002D70E.pdf County: Los Angeles				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
LUST-Closed-CA	Completed - Case Closed	0.22 miles S	26 ft (3 ft lower than site)	42
SITE NAME			**MAPS**	**ID**
CONSOLIDATED FREIGHTWAYS INC			1, 2, 4	T0605901595
ADDRESS			**CITY**	**ZIP**
10651 REAGAN			LOS ALAMITOS	90720

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DETAILS
Sites Details URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605901595 Global ID: T0605901595 Case Type: LUST Cleanup Site Status: Completed - Case Closed Status Date: 2/21/2002 CUF Case: NO Lead Agency: ORANGE COUNTY LOP Case Worker: KL Local Agency: ORANGE COUNTY LOP RB Case Number: 083002156T Loc Case Number: 92UT117 File Location: Local Agency Potential Contaminants of Concern: Gasoline Potential Media Affected: Other Groundwater (uses other than drinking water) Site History: Not Reported Begin Date: 4/4/1992 How Discovered: Tank Closure How Discovered Description: Not Reported Stop Method: Close and Remove Tank Stop Method Description: Not Reported Agency Provided Latitude: 33.8080976 Agency Provided Longitude: -118.0692582 Regulatory Activities Details More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
AIR-DIST-CA	Listed	0.22 miles S	26 ft (3 ft lower than site)	43
SITE NAME			**MAPS**	**ID**
L.A. CELLULAR TELEPHONE CO., (SITE #85)			1, 2, 4	103342-SC
ADDRESS			**CITY**	**ZIP**
10652 REAGAN 1/2 ST			LOS ALAMITOS	90720

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DETAILS
District: South Coast AQMD Compliance URL: http://www3.aqmd.gov/webappl/fim/prog/novnc.aspx?fac_id=103342 Note: For additional Facility, Equipment, Emissions, Hearing Board or Transporation Plan Information click on different tabs. Facility Id: 103342 County Code: OR County: Orange Facility Status Code: S Facility Status: SOLD Number of Employees: 0 Location Zip Code Extension: Not Reported Facility Representative First Name: RAY Facility Representative Last Name: CONNORS Location Area Code: 310 Location Phone Number: 9240000 Location Phone Extension: Not Reported Mailing Address: 8645 154TH AVE NE ATTN:EH&S ENV.COMPL. Mailing City: REDMOND Mailing State: WA Mailing Zip Code: 98052 Mailing Zip Code Extension: Not Reported Mailing Area Code: 310 Mailing Phone Number: 9240000 Mailing Phone Extension: Not Reported Mailing Representative First Name: RAY Mailing Representative Last Name: CONNORS More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
AIR-DIST-CA	Listed	0.22 miles S	26 ft (3 ft lower than site)	43
SITE NAME			**MAPS**	**ID**
NEW CINGULAR WIRELESS PCS, AT&T MOBILITY			1, 2, 4	143575-SC
ADDRESS			**CITY**	**ZIP**
10652 REAGAN 1/2 ST			LOS ALAMITOS	90720

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DETAILS
District: South Coast AQMD Compliance URL: http://www3.aqmd.gov/webappl/fim/prog/novnc.aspx?fac_id=143575 Note: For additional Facility, Equipment, Emissions, Hearing Board or Transporation Plan Information click on different tabs. Facility Id: 143575 County Code: OR County: Orange Facility Status Code: A Facility Status: ACTIVE Number of Employees: 0 Location Zip Code Extension: Not Reported Facility Representative First Name: MIKE Facility Representative Last Name: GARRETT Location Area Code: 562 Location Phone Number: 4686344 Location Phone Extension: Not Reported Mailing Address: P.O. BOX 5095 RM 4W200M/ATTN: CYNDI THRIFT Mailing City: SAN RAMON Mailing State: CA Mailing Zip Code: 94583 Mailing Zip Code Extension: Not Reported Mailing Area Code: 562 Mailing Phone Number: 4686344 Mailing Phone Extension: Not Reported Mailing Representative First Name: MIKE Mailing Representative Last Name: GARRETT More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CRSP-CA	Listed	0.22 miles S	26 ft (3 ft lower than site)	43
SITE NAME			**MAPS**	**ID**
LOS ALAMITOS UNIFIED SCHOOL DISTRICT			1, 2, 4	204720
ADDRESS			**CITY**	**ZIP**
10652 REAGAN			LOS ALAMITOS	90720

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DETAILS
Site Regulated Program Information : Site ID: 204720 Site EI ID: T0605901728 Agency Provided Latitude: 33.808047 Agency Provided Longitude: -118.069245 Program Description: Leaking Underground Storage Tank Cleanup Site Evaluation Information : Not Reported Violation Information : Not Reported Enforcement Information : Not Reported Affiliation Information : Affiliation Type Description: Local Agency Caseworker Entity Name: KEVIN LAMBERT - ORANGE COUNTY LOP Entity Title: Not Reported Affiliate Address: 1241 E DYER ROAD SUITE 120 Affiliate City: SANTA ANA Affiliate State: CA Affiliate Zip Code: Not Reported Affiliate Country: Not Reported Affiliate Phone Number: 7144336261 Affiliation Type Description: Regional Board Caseworker More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-HWS-CA	Listed	0.22 miles S	26 ft (3 ft lower than site)	43
SITE NAME			**MAPS**	**ID**
LOS ALAMITOS USD MAINT. Y			1, 2, 4	7434043
ADDRESS			**CITY**	**ZIP**
10652 REAGAN			LOS ALAMITOS	
DETAILS				
Reported Date: 1998				

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
LUST-Closed-CA	Completed - Case Closed	0.22 miles S	26 ft (3 ft lower than site)	43

SITE NAME	MAPS	ID
LOS ALAMITOS UNIFIED SCHOOL DISTRICT	1, 2, 4	T0605901728

ADDRESS	CITY	ZIP
10652 REAGAN	LOS ALAMITOS	90720

DETAILS

Sites Details
URL:
http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605901728
Global ID: T0605901728
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 6/3/1997
CUF Case: NO
Lead Agency: ORANGE COUNTY LOP
Case Worker: KL
Local Agency: ORANGE COUNTY LOP
RB Case Number: 083002417T
Loc Case Number: 93UT085
File Location: Local Agency
Potential Contaminants of Concern: Gasoline
Potential Media Affected: Soil
Site History: Not Reported
Begin Date: 9/30/1993
How Discovered: Tank Closure
How Discovered Description: Not Reported
Stop Method: Close and Remove Tank
Stop Method Description: Not Reported
Agency Provided Latitude: 33.808047
Agency Provided Longitude: -118.0692453

Regulatory Activities Details
More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CERS-CA	Listed	0.22 miles S	26 ft (3 ft lower than site)	43

SITE NAME	MAPS	ID
AT&T Mobility - LOS ALAMITOS OVLY 11995	1, 2, 4	10447039

ADDRESS	CITY	ZIP
10652 1/2 Reagan St	Los Alamitos	90720

DETAILS

General Program & Facility Information
CERS ID: 10447039
Facility ID: FA0036701
Facility Regulator Key ID: Not Reported
Organization Code: 90129634
Business/Organization Name: AT&T Mobility
Multiple Jurisdictional Business? (Y/N): Yes
Business Origin: Letter
Count of Business' CERS User Accounts: 65
Facility Count for Business: 3434
Last Submittal Date (any element): 1/7/2017 7:02:05 AM
Count of Submitted Elements: 21
Remote Facility? (Y/N): No
Small Quantity Generator Facility? (Y/N): No
Local Facility Grouping: Not Reported

Facility Specific Information
Assessor Parcel Number (APN): Not Reported
Number of Employees: 0
Property Owner Name: New Cingular Wireless PCS, LLC dba AT&T Mobility
Property Owner Phone Number: 214-464-2626
Property Owner Mailing Address: 308 S. Akard St., Room 1708
Property Owner Mailing City: Dallas
Property Owner Mailing State: TX
Property Owner Mailing Zip Code: 75202
Property Owner Mailing Country: United States

More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CRSP-CA	Listed	0.22 miles S	26 ft (3 ft lower than site)	43

SITE NAME	MAPS	ID
AT&T Mobility - LOS ALAMITOS OVLY USID11995	1, 2, 4	95093

ADDRESS	CITY	ZIP
10652 1/2 REAGAN ST	LOS ALAMITOS	90720

DETAILS

Site Regulated Program Information
: Site ID: 95093
Site EI ID: 10447039
Agency Provided Latitude: 33.80819
Agency Provided Longitude: -118.06763

Program Description: Chemical Storage Facilities

Program Description: Hazardous Waste Generator

Evaluation Information
: Evaluation Date: 2/11/2016
Violations Found? (Y/N): No
Evaluation General Type: Compliance Evaluation Inspection
Evaluation Type: Routine done by local agency
Evaluation Note(s): On site for the triennial Hazardous Materials Business Emergency Plan (HMBEP) inspection. Permission to inspect granted by AT&T/Knoche. All chemicals on site match the HMBEP submission in CERS. No violations.
Evaluation Division: Orange County Environmental Health
Evaluation Program: HMRRP
Evaluation Source: CERS

Evaluation Date: 1/23/2016
Violations Found? (Y/N): No
Evaluation General Type: Other/Unknown
Evaluation Type: Other, not routine, done by local agency
Evaluation Note(s): Review of CERs, accepted facility information for 2016
Evaluation Division: Orange County Environmental Health

More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
RCRA-NON-US	Listed	0.22 miles S	26 ft (3 ft lower than site)	43

SITE NAME	MAPS	ID
AT&T MOBILITY	1, 2, 4	CAL000425190

ADDRESS	CITY	ZIP
10652 1/2 REAGAN ST	LOS ALAMITOS	90720

DETAILS

Additional details may be found online using the following link:

http://oaspub.epa.gov/enviro/fii_query_dtl.disp_program_facility?pgm_sys_id_in=CAL000425190&pgm_sys_acrnm_in=RCRAINFO

Source Type: Implementer
Generator Status Universe: N
Generator Status: Non-Generator
NAICS1: ALL OTHER WASTE MANAGEMENT SERVICES
Active Site Indicator: H----
Owner Name: NEW CINGULAR WIRELESS PCS, LLC
Operator Name: DERONICA LAMB
In Handler Universes: Y
In a Universe: Y
Short Term Generator: N
Importer Activity: N
Mixed Waste Generator: N
Transporter Activity: Y
Transfer Facility: N
Recycler Activity: N
Onsite Burner Exemption: N
Furnace Exemption: N
Underground Injection Activity: N
Receives Waste From Off-site: N
Universal Waste: N
Universal Waste Destination Facility: Y
Used Oil Universe: NNNNNNN
Federal Universal Waste: N
Active Site Federally Regulated TSDF: ------

More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CERS-CA	Listed	0.23 miles SW	26 ft (3 ft lower than site)	44

SITE NAME	MAPS	ID
NORMS AUTOMOTIVE CENTER INC A	1, 2, 4	10538746

ADDRESS	CITY	ZIP
3441 SAUSALITO ST	LOS ALAMITOS	90720

DETAILS

General Program & Facility Information
CERS ID: 10538746
Facility ID: FA0026666
Facility Regulator Key ID: FA0026666
Organization Code: 90477895
Business/Organization Name: NORMS AUTOMOTIVE CENTER INC A
Multiple Jurisdictional Business? (Y/N): No
Business Origin: EDT
Count of Business' CERS User Accounts: 1
Facility Count for Business: 1
Last Submittal Date (any element): 12/19/2016 4:08:37 PM
Count of Submitted Elements: 3
Remote Facility? (Y/N): No
Small Quantity Generator Facility? (Y/N): No
Local Facility Grouping: Not Reported

Facility Specific Information
Assessor Parcel Number (APN): Not Reported
Number of Employees: 0
Property Owner Name: Not Reported
Property Owner Phone Number: Not Reported
Property Owner Mailing Address: Not Reported
Property Owner Mailing City: Not Reported
Property Owner Mailing State: Not Reported
Property Owner Mailing Zip Code: Not Reported
Property Owner Mailing Country: Not Reported
More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
County-Others-CA	Listed	0.23 miles SW	26 ft (3 ft lower than site)	44
SITE NAME			**MAPS**	**ID**
NORMS AUTOMOTIVE CENTER INC A			1, 2, 4	FA0026666-ORG
ADDRESS			**CITY**	**ZIP**
3441 SAUSALITO ST			LOS ALAMITOS	90720

DETAILS

County: Orange
Responsible Agency: Orange County Environmental Health
Type of Listing: Hazardous Waste Facilities
Facility ID: FA0026666
Date Run: 7/13/2018 5:50 PM

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CRSP-CA	Listed	0.23 miles SW	26 ft (3 ft lower than site)	44
SITE NAME			**MAPS**	**ID**
NORMS AUTOMOTIVE CENTER, INC.			1, 2, 4	415315
ADDRESS			**CITY**	**ZIP**
3441 SAUSALITO ST			LOS ALAMITOS	90720

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DETAILS
Site Regulated Program Information : Site ID: 415315 Site EI ID: 10538746 Agency Provided Latitude: 33.808407 Agency Provided Longitude: -118.073524 Program Description: Chemical Storage Facilities Program Description: Hazardous Waste Generator Evaluation Information : Evaluation Date: 12/29/2017 Violations Found? (Y/N): No Evaluation General Type: Compliance Evaluation Inspection Evaluation Type: Routine done by local agency Evaluation Note(s): Not Reported Evaluation Division: Orange County Environmental Health Evaluation Program: HW Evaluation Source: CERS Evaluation Date: 12/15/2017 Violations Found? (Y/N): No Evaluation General Type: Compliance Evaluation Inspection Evaluation Type: Routine done by local agency Evaluation Note(s): The facility stores the following Hazardous Materials and Hazardous Wastes at the facility: HM -Motor Oil HW -Waste Oil -Waste Antifreeze Evaluation Division: Orange County Environmental Health More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
AIR-DIST-CA	Listed	0.23 miles W	29 ft (0 ft higher than site)	45
SITE NAME			**MAPS**	**ID**
MORGANS CLEANERS			1, 2, 4	60786-SC
ADDRESS			**CITY**	**ZIP**
3335 CERRITOS			LOS ALAMITOS	90720

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DETAILS
District: South Coast AQMD Compliance URL: http://www3.aqmd.gov/webappl/fim/prog/novnc.aspx?fac_id=60786 Note: For additional Facility, Equipment, Emissions, Hearing Board or Transporation Plan Information click on different tabs. Facility Id: 60786 County Code: OR County: Orange Facility Status Code: A Facility Status: ACTIVE Number of Employees: 0 Location Zip Code Extension: 2105 Facility Representative First Name: LES Facility Representative Last Name: PRINGLE Location Area Code: 213 Location Phone Number: 5310353 Location Phone Extension: Not Reported Mailing Address: 3335 CERRITOS AVE Mailing City: LOS ALAMITOS Mailing State: CA Mailing Zip Code: 90720 Mailing Zip Code Extension: 2105 Mailing Area Code: 213 Mailing Phone Number: 5310353 Mailing Phone Extension: Not Reported Mailing Representative First Name: LES Mailing Representative Last Name: PRINGLE More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
AIR-DIST-CA	Listed	0.23 miles W	29 ft (0 ft higher than site)	46
SITE NAME			**MAPS**	**ID**
MONTE COLLINS BACKHOE & EQUIP INC			1, 2, 4	29875-SC
ADDRESS			**CITY**	**ZIP**
3342 CERRITOS			LOS ALAMITOS	90720

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DETAILS
District: South Coast AQMD Compliance URL: http://www3.aqmd.gov/webappl/fim/prog/novnc.aspx?fac_id=29875 Note: For additional Facility, Equipment, Emissions, Hearing Board or Transporation Plan Information click on different tabs. Facility Id: 29875 County Code: OR County: Orange Facility Status Code: A Facility Status: ACTIVE Number of Employees: 45 Location Zip Code Extension: 2106 Facility Representative First Name: UNKNOWN Facility Representative Last Name: UNKNOWN Location Area Code: 213 Location Phone Number: 5989721 Location Phone Extension: Not Reported Mailing Address: P O BOX 697 Mailing City: LOS ALAMITOS Mailing State: CA Mailing Zip Code: 90720 Mailing Zip Code Extension: 0697 Mailing Area Code: 213 Mailing Phone Number: 5989721 Mailing Phone Extension: Not Reported Mailing Representative First Name: UNKNOWN Mailing Representative Last Name: UNKNOWN More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CRSP-CA	Listed	0.23 miles W	29 ft (0 ft higher than site)	46
SITE NAME			**MAPS**	**ID**
MONTE COLLINS BACKHOE			1, 2, 4	226077
ADDRESS			**CITY**	**ZIP**
3342 CERRITOS			LOS ALAMITOS	90720

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DETAILS
Site Regulated Program Information : Site ID: 226077 Site EI ID: T0605902252 Agency Provided Latitude: 33.810306 Agency Provided Longitude: -118.078171 Program Description: Leaking Underground Storage Tank Cleanup Site Evaluation Information : Not Reported Violation Information : Not Reported Enforcement Information : Not Reported Affiliation Information : Affiliation Type Description: Local Agency Caseworker Entity Name: KEVIN LAMBERT - ORANGE COUNTY LOP Entity Title: Not Reported Affiliate Address: 1241 E DYER ROAD SUITE 120 Affiliate City: SANTA ANA Affiliate State: CA Affiliate Zip Code: Not Reported Affiliate Country: Not Reported Affiliate Phone Number: 7144336261 Affiliation Type Description: Regional Board Caseworker More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
LUST-Closed-CA	Completed - Case Closed	0.23 miles W	29 ft (0 ft higher than site)	46

SITE NAME	MAPS	ID
MONTE COLLINS BACKHOE	1, 2, 4	T0605902252
ADDRESS	**CITY**	**ZIP**
3342 CERRITOS	LOS ALAMITOS	90720

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DETAILS
Sites Details URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605902252 Global ID: T0605902252 Case Type: LUST Cleanup Site Status: Completed - Case Closed Status Date: 4/26/1999 CUF Case: NO Lead Agency: ORANGE COUNTY LOP Case Worker: KL Local Agency: ORANGE COUNTY LOP RB Case Number: 083003403T Loc Case Number: 99UT003 File Location: Local Agency Potential Contaminants of Concern: Diesel Potential Media Affected: Soil Site History: Not Reported Begin Date: 12/11/1998 How Discovered: Tank Closure How Discovered Description: Not Reported Stop Method: Close and Remove Tank Stop Method Description: Not Reported Agency Provided Latitude: 33.8103064 Agency Provided Longitude: -118.0781715 Regulatory Activities Details More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CRSP-CA	Listed	0.24 miles SW	26 ft (3 ft lower than site)	47
SITE NAME			**MAPS**	**ID**
AEROMOTORS			1, 2, 4	223730
ADDRESS			**CITY**	**ZIP**
10650 LOS ALAMITOS			LOS ALAMITOS	90720

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DETAILS
Site Regulated Program Information : Site ID: 223730 Site EI ID: T0605900972 Agency Provided Latitude: 33.808071 Agency Provided Longitude: -118.071756 Program Description: Leaking Underground Storage Tank Cleanup Site Evaluation Information : Not Reported Violation Information : Not Reported Enforcement Information : Not Reported Affiliation Information : Affiliation Type Description: Local Agency Caseworker Entity Name: KEVIN LAMBERT - ORANGE COUNTY LOP Entity Title: Not Reported Affiliate Address: 1241 E DYER ROAD SUITE 120 Affiliate City: SANTA ANA Affiliate State: CA Affiliate Zip Code: Not Reported Affiliate Country: Not Reported Affiliate Phone Number: 7144336261 Affiliation Type Description: Regional Board Caseworker More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
ENF-CA	Listed	0.24 miles SW	26 ft (3 ft lower than site)	47
SITE NAME			**MAPS**	**ID**
AEROMOTORS			1, 2, 4	T0605900972
ADDRESS			**CITY**	**ZIP**
10650 LOS ALAMITOS			LOS ALAMITOS	90720

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DETAILS
Global ID: T0605900972 County: Orange Site History: Not Reported Case Type: LUST Cleanup Site Status: Completed - Case Closed Lead Agency: ORANGE COUNTY LOP Case Worker: KL Local Agency: ORANGE COUNTY LOP RB Case Number: 083001254T Loc Case Number: 89UT101 File Location: Local Agency Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating, Gasoline Potential Media Affected: Other Groundwater (uses other than drinking water) How Discovered: Tank Closure How Discovered Description: Not Reported Stop Method: Close and Remove Tank Stop Method Description: Not Reported Action Date: 2004-06-10 Action Type: ENFORCEMENT Action: Closure/No Further Action Letter Action Date: 2003-03-05 Action Type: ENFORCEMENT Action: Staff Letter

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-HWS-CA	Listed	0.24 miles SW	26 ft (3 ft lower than site)	47
SITE NAME			**MAPS**	**ID**
AERO MOTORS			1, 2, 4	1585965
ADDRESS			**CITY**	**ZIP**
10650 LOS ALAMITOS			LOS ALAMITOS	90736
DETAILS				
Reported Date: 1998				

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-Regional-Other-CA	Listed	0.24 miles SW	26 ft (3 ft lower than site)	47
SITE NAME			**MAPS**	**ID**
AEROMOTORS			1, 2, 4	1281128
ADDRESS			**CITY**	**ZIP**
10650 LOS ALAMITOS			LOS ALAMITOS	90720
DETAILS				
Reported Date: 1998 List: Orange County-Groundwater Cleanup Program Agency: Orange County Health Care Agency				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
LUST-Closed-CA	Completed - Case Closed	0.24 miles SW	26 ft (3 ft lower than site)	47
SITE NAME			**MAPS**	**ID**
AEROMOTORS			1, 2, 4	T0605900972
ADDRESS			**CITY**	**ZIP**
10650 LOS ALAMITOS			LOS ALAMITOS	90720

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DETAILS
Sites Details URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605900972 Global ID: T0605900972 Case Type: LUST Cleanup Site Status: Completed - Case Closed Status Date: 6/10/2004 CUF Case: YES Lead Agency: ORANGE COUNTY LOP Case Worker: KL Local Agency: ORANGE COUNTY LOP RB Case Number: 083001254T Loc Case Number: 89UT101 File Location: Local Agency Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating, Gasoline Potential Media Affected: Other Groundwater (uses other than drinking water) Site History: Not Reported Begin Date: 6/6/1989 How Discovered: Tank Closure How Discovered Description: Not Reported Stop Method: Close and Remove Tank Stop Method Description: Not Reported Agency Provided Latitude: 33.808071 Agency Provided Longitude: -118.0717564 Regulatory Activities Details More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
RCRA-SQG-US	Listed	0.24 miles SW	26 ft (3 ft lower than site)	47
SITE NAME			**MAPS**	**ID**
LEW WEBBS AERO MOTORS			1, 2, 4	CAD981434889
ADDRESS			**CITY**	**ZIP**
10650 LOS ALAMITOS			LOS ALAMITOS	90720

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DETAILS
Additional details may be found online using the following link: http://oaspub.epa.gov/enviro/fii_query_dtl.disp_program_facility?pgm_sys_id_in=CAD981434889&pgm_sys_acrnm_in=RCRAINFO Source Type: Notification Generator Status Universe: SQG Generator Status: Small Quantity Generator Active Site Indicator: H---- Owner Name: LEW WEBB Operator Name: NOT REQUIRED In Handler Universes: Y In a Universe: Y Short Term Generator: N Importer Activity: N Mixed Waste Generator: N Transporter Activity: N Transfer Facility: N Recycler Activity: N Onsite Burner Exemption: N Furnace Exemption: N Underground Injection Activity: N Receives Waste From Off-site: N Universal Waste: N Universal Waste Destination Facility: N Used Oil Universe: NNNNNNN Federal Universal Waste: N Active Site Federally Regulated TSDF: ------ Active Site Converter TSDF: ------ More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CERS-CA	Listed	0.24 miles S	28 ft (1 ft lower than site)	48
SITE NAME			**MAPS**	**ID**
SIR SPEEDY			1, 2, 4	10565506
ADDRESS			**CITY**	**ZIP**
3627 SERPENTINE DR			LOS ALAMITOS	90720

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DETAILS
General Program & Facility Information CERS ID: 10565506 Facility ID: FA0052978 Facility Regulator Key ID: FA0052978 Organization Code: 90518923 Business/Organization Name: SIR SPEEDY Multiple Jurisdictional Business? (Y/N): No Business Origin: EDT Count of Business' CERS User Accounts: 0 Facility Count for Business: 1 Last Submittal Date (any element): Not Reported Count of Submitted Elements: 0 Remote Facility? (Y/N): No Small Quantity Generator Facility? (Y/N): No Local Facility Grouping: Not Reported Facility Specific Information Assessor Parcel Number (APN): Not Reported Number of Employees: Not Reported Property Owner Name: Not Reported Property Owner Phone Number: Not Reported Property Owner Mailing Address: Not Reported Property Owner Mailing City: Not Reported Property Owner Mailing State: Not Reported Property Owner Mailing Zip Code: Not Reported Property Owner Mailing Country: Not Reported More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-Auto Repair	Listed	0.24 miles W	29 ft (0 ft higher than site)	49

SITE NAME	MAPS	ID
LOS ALAMITOS MOWER & SAW	1, 2, 4	496090-PD

ADDRESS	CITY	ZIP
3325 CERRITOS AVE	LOS ALAMITOS	90720-2105

DETAILS
Listing Year: 1997 SIC Category: LAWN MOWERS-SHARPENING & REPAIRING SIC Code: 769957

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-CalFID-CA	Listed	0.24 miles W	29 ft (0 ft higher than site)	49
SITE NAME			**MAPS**	**ID**
LOS ALAMITOS MOWER & SAW			1, 2, 4	249856
ADDRESS			**CITY**	**ZIP**
3325 CERRITOS AVE			LOS ALAMITOS	907200000
DETAILS				
Reported Date: 1998				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CERS-CA	Listed	0.24 miles SW	25 ft (4 ft lower than site)	50
SITE NAME			**MAPS**	**ID**
Norm's Automotive Center, Inc.			1, 2, 4	10671535
ADDRESS			**CITY**	**ZIP**
3432 Sausalito St			Los Alamitos	90720

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DETAILS

General Program & Facility Information
CERS ID: 10671535
Facility ID: Not Reported
Facility Regulator Key ID: Not Reported
Organization Code: 90624400
Business/Organization Name: Norm's Automotive Center, Inc.
Multiple Jurisdictional Business? (Y/N): No
Business Origin: Business
Count of Business' CERS User Accounts: 1
Facility Count for Business: 1
Last Submittal Date (any element): Not Reported
Count of Submitted Elements: 0
Remote Facility? (Y/N): No
Small Quantity Generator Facility? (Y/N): No
Local Facility Grouping: Not Reported

Facility Specific Information
Assessor Parcel Number (APN): 242-233-01
Number of Employees: 0
Property Owner Name: Sarkis Manoukian
Property Owner Phone Number: 562-598-0404
Property Owner Mailing Address: same as above
Property Owner Mailing City: Not Reported
Property Owner Mailing State: Not Reported
Property Owner Mailing Zip Code: Not Reported
Property Owner Mailing Country: United States

More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
County-Others-CA	Listed	0.24 miles SW	25 ft (4 ft lower than site)	50
SITE NAME			**MAPS**	**ID**
NORMS AUTOMOTIVE CENTER			1, 2, 4	FA0068162-ORG
ADDRESS			**CITY**	**ZIP**
3432 SAUSALITO ST			LOS ALAMITOS	90720

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DETAILS
County: Orange Responsible Agency: Orange County Environmental Health Type of Listing: Hazardous Waste Facilities Facility ID: FA0068162 Date Run: 7/13/2018 5:50 PM

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CRSP-CA	Listed	0.24 miles SW	25 ft (4 ft lower than site)	50
SITE NAME			**MAPS**	**ID**
Norm's Automotive Center, Inc.			1, 2, 4	432207
ADDRESS			**CITY**	**ZIP**
3432 SAUSALITO ST			LOS ALAMITOS	90720

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DETAILS
Site Regulated Program Information : Site ID: 432207 Site EI ID: 10671535 Agency Provided Latitude: 33.808512 Agency Provided Longitude: -118.072684 Program Description: Chemical Storage Facilities Program Description: Hazardous Waste Generator   Evaluation Information : Evaluation Date: 12/29/2017 Violations Found? (Y/N): No Evaluation General Type: Compliance Evaluation Inspection Evaluation Type: Routine done by local agency Evaluation Note(s): Not Reported Evaluation Division: Orange County Environmental Health Evaluation Program: HW Evaluation Source: CERS Evaluation Date: 12/15/2017 Violations Found? (Y/N): No Evaluation General Type: Compliance Evaluation Inspection Evaluation Type: Routine done by local agency Evaluation Note(s): The facility stores waste oil at the reportable volume. Evaluation Division: Orange County Environmental Health More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-Auto Repair	Listed	0.24 miles SW	25 ft (4 ft lower than site)	50
SITE NAME			**MAPS**	**ID**
NORMS AUTOMOTIVE SVC			1, 2, 4	525280-PD
ADDRESS			**CITY**	**ZIP**
3432 SAUSALITO ST			LOS ALAMITOS	90720-2122
DETAILS				
Listing Year: 1997 SIC Category: AUTOMOBILE REPAIRING & SERVICE SIC Code: 753801				

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
RCRA-SQG-US	Listed	0.24 miles SW	25 ft (4 ft lower than site)	**50**

SITE NAME	MAPS	ID
NORMS AUTOMOTIVE SVC	1, 2, 4	CAD981682834

ADDRESS	CITY	ZIP
3432 SAUSALITO ST	LOS ALAMITOS	90720

DETAILS

Additional details may be found online using the following link:

http://oaspub.epa.gov/enviro/fii_query_dtl.disp_program_facility?pgm_sys_id_in=CAD981682834&pgm_sys_acrnm_in=RCRAINFO

Source Type: Notification
Generator Status Universe: SQG
Generator Status: Small Quantity Generator
NAICS1: GENERAL AUTOMOTIVE REPAIR
Active Site Indicator: H----
Owner Name: SARKIS MANOUKIAN
Operator Name: NOT REQUIRED
In Handler Universes: Y
In a Universe: Y
Short Term Generator: N
Importer Activity: N
Mixed Waste Generator: N
Transporter Activity: N
Transfer Facility: N
Recycler Activity: N
Onsite Burner Exemption: N
Furnace Exemption: N
Underground Injection Activity: N
Receives Waste From Off-site: N
Universal Waste: N
Universal Waste Destination Facility: N
Used Oil Universe: NNNNNNN
Federal Universal Waste: N
Active Site Federally Regulated TSDF: ------

More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CERCLIS-Archived-US	NFRAP-Site does not qualify for the NPL based on existing information	0.24 miles W	26 ft (3 ft lower than site)	51

SITE NAME	MAPS	ID
VELSICOL CHEMICAL CO	1, 2, 4	CAD982359523

ADDRESS	CITY	ZIP
3342 CERRITOS AVE	LOS ALAMITOS	90720

DETAILS

Program and Facility Information
EPA ID: CAD982359523
Site ID: 0903168
REGION: 9
County: ORANGE
Street Address 2: Not Reported
Congressional District: 38
FIPS Code: 6059
NPL Status: Not on the NPL
Federal Facility?: N
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information
Agency Provided Latitude: 33.8
Agency Provided Longitude: -118.071667

Additional Information
START (ACTUAL): 12/1/1987 5:00:00 AM
FINISH (ACTUAL): 12/1/1987 5:00:00 AM
ACTION CODE: DS
ACTION NAME: DISCVRY
SEQ: 1
QUAL: Not Reported
CURRENT ACTION LEAD: St Perf

START (ACTUAL): Not Reported
FINISH (ACTUAL): 1/4/1991 5:00:00 AM
ACTION CODE: VS

More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
County-LUST-Closed-CA	Closed	0.24 miles W	26 ft (3 ft lower than site)	51
SITE NAME			**MAPS**	**ID**
MONTE COLLINS BACKHOE			1, 2, 4	RO0002828-ORG
ADDRESS			**CITY**	**ZIP**
3342 CERRITOS AVE			LOS ALAMITOS	90720

DETAILS

County: Orange
Record ID: RO0002828
Case ID: 99UT003

Case Closed Date: 4/26/1999
Type of Closure: Closure certification issued
Status: Not Reported
Case Type Code: S
Released Substance: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CRSP-CA	Listed	0.24 miles W	26 ft (3 ft lower than site)	51
SITE NAME			**MAPS**	**ID**
Monte Collins Property			1, 2, 4	420294
ADDRESS			**CITY**	**ZIP**
3342 CERRITOS AVENUE			LOS ALAMITOS	90720

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DETAILS
Site Regulated Program Information : Site ID: 420294 Site EI ID: T10000010252 Agency Provided Latitude: 33.80995 Agency Provided Longitude: -118.07408 Program Description: Cleanup Program Site Evaluation Information : Not Reported Violation Information : Not Reported Enforcement Information : Not Reported Affiliation Information : Affiliation Type Description: Regional Board Caseworker Entity Name: MIGUEL OVIEDO - SANTA ANA RWQCB (REGION 8) Entity Title: Not Reported Affiliate Address: 3737 Main Street, Suite 500 Affiliate City: RIVERSIDE Affiliate State: CA Affiliate Zip Code: Not Reported Affiliate Country: Not Reported Affiliate Phone Number: 9517823238 More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
ENF-CA	Listed	0.24 miles W	26 ft (3 ft lower than site)	51
SITE NAME			**MAPS**	**ID**
Monte Collins Property			1, 2, 4	T10000010252
ADDRESS			**CITY**	**ZIP**
3342 Cerritos Avenue			Los Alamitos	90720

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DETAILS
Global ID: T10000010252 County: Orange Site History: Not Reported Case Type: Cleanup Program Site Status: Open - Site Assessment Lead Agency: SANTA ANA RWQCB (REGION 8) Case Worker: MAO Local Agency: Not Reported RB Case Number: Not Reported Loc Case Number: Not Reported File Location: Regional Board Potential Contaminants of Concern: Lead, Benzene, Ethylbenzene, Naphthalene, Toluene, Total Petroleum Hydrocarbons (TPH), Xylene Potential Media Affected: Not Reported How Discovered: Not Reported How Discovered Description: Not Reported Stop Method: Not Reported Stop Method Description: Not Reported Action Date: 2018-06-29 Action Type: ENFORCEMENT Action: Staff Letter Action Date: 2018-01-26 Action Type: ENFORCEMENT Action: NPDES Permit

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Eval-Hist-Other-CA	Refer: Other Agency	0.24 miles W	26 ft (3 ft lower than site)	51
SITE NAME			**MAPS**	**ID**
VELSICOL CHEMICAL COMPANY			1, 2, 4	30280378
ADDRESS			**CITY**	**ZIP**
3342 CERRITOS AVENUE			LOS ALAMITOS	90720

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DETAILS

URL:
http://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id=30280378
Envirostor ID: 30280378
County: ORANGE
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not Reported
APN: NONE SPECIFIED
National Priorities List: NO
Lead Agency: NONE SPECIFIED
Project Manager: Not Reported
Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Site Code: Not Reported
Assembly: 72
Senate: 34
Congressional District: 47
Special Program: Not Reported
Status: Refer: Other Agency
Status Date: 1995-08-31 00:00:00
Past Uses: NONE SPECIFIED
Restricted Use: NO
Funding: Not Reported
Regulatory Agencies Involved: NONE SPECIFIED
Potential Contamination of Concern: NONE SPECIFIED
Confirmed Contamination of Concern: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Historical-CA	Listed	0.24 miles W	26 ft (3 ft lower than site)	51

SITE NAME	MAPS	ID
VELSICOL CHEMICAL COMPANY	1, 2, 4	30280378

ADDRESS	CITY	ZIP
3342 CERRITOS AVENUE	LOS ALAMITOS	90720

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DETAILS
URL: http://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id=30280378 Envirostor ID: 30280378 County: ORANGE Agency Provided Latitude: 33.809334419727 Agency Provided Longitude: -118.073943118254 Program Type: HISTORICAL Status: REFER: OTHER AGENCY Status Date: 8/31/1995 Site Code: Not Reported CALENVIROSCREEN SCORE: 36-40%

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
SLIC-Open-CA	Open - Site Assessment	0.24 miles W	26 ft (3 ft lower than site)	**51**
SITE NAME			**MAPS**	**ID**
Monte Collins Property			1, 2, 4	T10000010252
ADDRESS			**CITY**	**ZIP**
3342 Cerritos Avenue			Los Alamitos	90720

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DETAILS
Sites Details URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000010252 Global ID: T10000010252 Case Type: Cleanup Program Site Status: Open - Site Assessment Status Date: 3/22/2017 CUF Case: NO Lead Agency: SANTA ANA RWQCB (REGION 8) Case Worker: MAO Local Agency: Not Reported RB Case Number: Not Reported Loc Case Number: Not Reported File Location: Regional Board Potential Contaminants of Concern: Lead, Benzene, Ethylbenzene, Naphthalene, Toluene, Total Petroleum Hydrocarbons (TPH), Xylene Potential Media Affected: Not Reported Site History: Not Reported Begin Date: 3/22/2017 How Discovered: Not Reported How Discovered Description: Not Reported Stop Method: Not Reported Stop Method Description: Not Reported Agency Provided Latitude: 33.80995 Agency Provided Longitude: -118.07408 Regulatory Activities Details More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
RCRA-NON-US	Listed	0.25 miles E	28 ft (1 ft lower than site)	52
SITE NAME			**MAPS**	**ID**
GRETCHEN ELY			1, 2, 4	CAC002977733
ADDRESS			**CITY**	**ZIP**
10321 HUMBOLT ST			LOS ALAMITOS	90720

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DETAILS
Additional details may be found online using the following link: http://oaspub.epa.gov/enviro/fii_query_dtl.disp_program_facility?pgm_sys_id_in=CAC002977733&pgm_sys_acrnm_in=RCRAINFO Source Type: Implementer Generator Status Universe: N Generator Status: Non-Generator NAICS1: ALL OTHER WASTE MANAGEMENT SERVICES Active Site Indicator: ----- Owner Name: GRETCHEN ELY Operator Name: GRETCHEN ELY In Handler Universes: N In a Universe: N Short Term Generator: N Importer Activity: N Mixed Waste Generator: N Transporter Activity: N Transfer Facility: N Recycler Activity: N Onsite Burner Exemption: N Furnace Exemption: N Underground Injection Activity: N Receives Waste From Off-site: N Universal Waste: N Universal Waste Destination Facility: Y Used Oil Universe: NNNNNNN Federal Universal Waste: N Active Site Federally Regulated TSDF: ------ More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-CalFID-CA	Listed	0.25 miles S	25 ft (4 ft lower than site)	**53**
SITE NAME			**MAPS**	**ID**
1X MILLIE AND SEVERSON INCORPORATED			1, 2, 4	3203401
ADDRESS			**CITY**	**ZIP**
3601 SERPENTINE DR			LOS ALAMITOS	907200000
DETAILS				
Reported Date: 1998				

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-UST-CA	Listed	0.25 miles S	25 ft (4 ft lower than site)	53
SITE NAME			**MAPS**	**ID**
MILLIE AND SEVERSON INCORPORA			1, 2, 4	249473
ADDRESS			**CITY**	**ZIP**
3601 SERPENTINE DRIVE			LOS ALAMITOS	90720
DETAILS				
Note: ID has been assigned by ERS Tank Details: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002EB54.pdf County: Orange				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-USTReg-CA	Listed	0.25 miles S	25 ft (4 ft lower than site)	53
SITE NAME			**MAPS**	**ID**
MILLIE & SEVERSON INC			1, 2, 4	3203401
ADDRESS			**CITY**	**ZIP**
3601 SERPENTINE			LOS ALAMITOS	90720
DETAILS				
Reported Date: 1998				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
County-LUST-Closed-CA	Closed	0.25 miles SE	28 ft (1 ft lower than site)	54
SITE NAME			**MAPS**	**ID**
LOS ALAMITOS UNIFIED SCHOOL DISTRICT			1, 4	RO0002973-ORG
ADDRESS			**CITY**	**ZIP**
10652 REAGAN ST			LOS ALAMITOS	90720

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DETAILS
County: Orange Record ID: RO0002973 Case ID: 93UT085 Case Closed Date: 6/3/1997 Type of Closure: Closure certification issued Status: Not Reported Case Type Code: S Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
SLIC-Open-CA	Open - Assessment & Interim Remedial Action	0.29 miles SW	26 ft (3 ft lower than site)	55
SITE NAME			**MAPS**	**ID**
Cottonwood Church			1, 4	T10000008413
ADDRESS			**CITY**	**ZIP**
3311 Sausalito Street			Los Alamitos	90720

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DETAILS

Sites Details
URL:
http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000008413
Global ID: T10000008413
Case Type: Cleanup Program Site
Status: Open - Assessment & Interim Remedial Action
Status Date: 2/2/2016
CUF Case: NO
Lead Agency: SANTA ANA RWQCB (REGION 8)
Case Worker: MAO
Local Agency: Not Reported
RB Case Number: 083004058T
Loc Case Number: Not Reported
File Location: Regional Board
Potential Contaminants of Concern: Benzene, Ethylbenzene, Gasoline, Methane, Naphthalene, Total Petroleum Hydrocarbons (TPH), Xylene
Potential Media Affected: Aquifer used for drinking water supply
Site History: New case opened for development. No evidence of tanks.
Begin Date: 2/2/2016
How Discovered: Site Assessment/Site Investigation
How Discovered Description: Not Reported
Stop Method: Close and Remove Tank
Stop Method Description: Not Reported
Agency Provided Latitude: 33.80979
Agency Provided Longitude: -118.07475

Regulatory Activities Details
More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
County-LUST-Closed-CA	Closed	0.31 miles S	27 ft (2 ft lower than site)	56

SITE NAME	MAPS	ID
BARR LUMBER	1, 4	RO0002519-ORG

ADDRESS	CITY	ZIP
10742 LOS ALAMITOS BLVD	LOS ALAMITOS	90720

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DETAILS
County: Orange Record ID: RO0002519 Case ID: 90UT067 Case Closed Date: 5/31/2000 Type of Closure: Closure certification issued Status: Not Reported Case Type Code: S Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
County-LUST-Closed-CA	Closed	0.32 miles S	27 ft (2 ft lower than site)	57

SITE NAME	MAPS	ID
SOUTHERN CALIFORNIA TRANSPORT	1, 4	RO0001269-ORG

ADDRESS	CITY	ZIP
10722 REAGAN ST	LOS ALAMITOS	90720

DETAILS
County: Orange Record ID: RO0001269 Case ID: 93UT016 Case Closed Date: 3/18/1993 Type of Closure: Transferred to OCUST Program Status: Not Reported Case Type Code: S Released Substance: Pentachlorophenl

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
LUST-Closed-CA	Completed - Case Closed	0.32 miles S	27 ft (2 ft lower than site)	57

SITE NAME	MAPS	ID
B AND F BOX AND LUMBER SITE	1, 4	T0605901767

ADDRESS	CITY	ZIP
10722 REAGAN ST	LOS ALAMITOS	90720

DETAILS

Sites Details
URL:
http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605901767
Global ID: T0605901767
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 12/31/2003
CUF Case: NO
Lead Agency: SANTA ANA RWQCB (REGION 8)
Case Worker: NOM
Local Agency: ORANGE COUNTY
RB Case Number: 083002489T
Loc Case Number: 93UT016
File Location: Not Reported
Potential Contaminants of Concern: Other Insecticides / Pesticide / Fumigants / Herbicides
Potential Media Affected: Aquifer used for drinking water supply
Site History: Not Reported
Begin Date: 2/17/1994
How Discovered: Not Reported
How Discovered Description: Not Reported
Stop Method: Not Reported
Stop Method Description: Not Reported
Agency Provided Latitude: 33.8070507
Agency Provided Longitude: -118.0692244

Regulatory Activities Details
More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
ALLFACS-IL	Listed	0.33 miles SE	26 ft (3 ft lower than site)	**58**

SITE NAME	MAPS	ID
Dexter Permag	1, 4	9060596175

ADDRESS	CITY	ZIP
10631 Humbolt St	Los Alamitos	90720

DETAILS

URL:
http://epadata.epa.state.il.us/land/inventory/deepSeids.asp?B1=9060596175&strInvNo=9060596175
Inventory ID Number: 9060596175
Site ID: 170000860156
LatDD: Not Reported
LonDD: Not Reported
Interest Name: Dexter Permag
Loc PO Box: Not Reported
Loc Phone: 7149522091
Loc Contact: STEVE JAVERT
Loc Mail: Not Reported
Owner Name: DEXTER PERMAG
Owner Street: 10631 HUMBOLT ST
Owner PO Box: Not Reported
Owner City: LOS ALAMITOS
Owner State: CA
Own Zip: 90720
Owner Phone: 7149522091
Owner Contact: Not Reported
Owner Mail: Not Reported
Operator Name: DEXTER PERMAG
Operator Street: 10631 HUMBOLT ST
Operator PO Box: Not Reported
Operator City: LOS ALAMITOS
Operator State: CA
Operator Zip: 90720
Operator Phone: 7149522091
More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
LUST-Closed-CA	Completed - Case Closed	0.34 miles S	25 ft (4 ft lower than site)	**59**

SITE NAME	MAPS	ID
BARR LUMBER	1, 4	T0605901117

ADDRESS	CITY	ZIP
10742 LOS ALAMITOS	LOS ALAMITOS	90720

DETAILS

Sites Details
URL:
http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605901117
Global ID: T0605901117
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 5/31/2000
CUF Case: YES
Lead Agency: ORANGE COUNTY LOP
Case Worker: KL
Local Agency: ORANGE COUNTY LOP
RB Case Number: 083001470T
Loc Case Number: 90UT067
File Location: Local Agency
Potential Contaminants of Concern: Gasoline
Potential Media Affected: Soil
Site History: Not Reported
Begin Date: 11/16/1989
How Discovered: Tank Closure
How Discovered Description: Not Reported
Stop Method: Close and Remove Tank
Stop Method Description: Not Reported
Agency Provided Latitude: 33.806738
Agency Provided Longitude: -118.0705

Regulatory Activities Details
More Details Link

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DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
County-LUST-Closed-CA	Closed	0.37 miles SE	28 ft (1 ft lower than site)	60

SITE NAME	MAPS	ID
L & S PROPERTY MANAGEMENT	1, 4	RO0002571-ORG

ADDRESS	CITY	ZIP
10621 BLOOMFIELD ST	LOS ALAMITOS	90720

DETAILS

County: Orange
Record ID: RO0002571
Case ID: 86UT173

Case Closed Date: 1/2/1992
Type of Closure: Closure certification issued
Status: Not Reported
Case Type Code: O
Released Substance: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
County-LUST-Closed-CA	Closed	0.38 miles E	29 ft (0 ft higher than site)	61

SITE NAME	MAPS	ID
MOBIL #18-GQ0	1, 4	RO0002119-ORG

ADDRESS	CITY	ZIP
3971 CERRITOS AVE	LOS ALAMITOS	90720

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DETAILS
County: Orange Record ID: RO0002119 Case ID: 00UT040 Case Closed Date: 1/5/2017 Type of Closure: Closure certification issued Status: Not Reported Case Type Code: O Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
LUST-Closed-CA	Completed - Case Closed	0.39 miles E	27 ft (2 ft lower than site)	62
SITE NAME			**MAPS**	**ID**
MOBIL #18-GQ0			1, 4	T060593213
ADDRESS			**CITY**	**ZIP**
3971 CERRITOS			LOS ALAMITOS	90720

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DETAILS
Sites Details URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T060593213 Global ID: T060593213 Case Type: LUST Cleanup Site Status: Completed - Case Closed Status Date: 1/5/2017 CUF Case: NO Lead Agency: ORANGE COUNTY LOP Case Worker: KL Local Agency: ORANGE COUNTY LOP RB Case Number: 083003860T Loc Case Number: 00UT040 File Location: Local Agency Potential Contaminants of Concern: Gasoline Potential Media Affected: Aquifer used for drinking water supply Site History: Please refer to recent Site Documents or Monitoring Reports in GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party. Begin Date: 11/20/2000 How Discovered: Tank Closure How Discovered Description: Not Reported Stop Method: Replace product piping Stop Method Description: Not Reported Agency Provided Latitude: 33.810494 Agency Provided Longitude: -118.063605 Regulatory Activities Details More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
LUST-Closed-CA	Completed - Case Closed	0.43 miles N	28 ft (1 ft lower than site)	63
SITE NAME			**MAPS**	**ID**
VOL ARCO/ BIXBY LAND COMPANY			1, 4	T0603701893
ADDRESS			**CITY**	**ZIP**
3398 NORWALK BLVD			LONG BEACH	90808

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DETAILS
Sites Details URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701893 Global ID: T0603701893 Case Type: LUST Cleanup Site Status: Completed - Case Closed Status Date: 12/9/1994 CUF Case: NO Lead Agency: LOS ANGELES RWQCB (REGION 4) Case Worker: YR Local Agency: LONG BEACH, CITY OF RB Case Number: 908080134 Loc Case Number: Not Reported File Location: Not Reported Potential Contaminants of Concern: Gasoline Potential Media Affected: Aquifer used for drinking water supply Site History: Not Reported Begin Date: 10/16/1989 How Discovered: Not Reported How Discovered Description: Not Reported Stop Method: Not Reported Stop Method Description: Not Reported Agency Provided Latitude: 33.8173150005771 Agency Provided Longitude: -118.071461665607 Regulatory Activities Details More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
ALLFACS-IL	Listed	0.43 miles SE	24 ft (5 ft lower than site)	64
SITE NAME			**MAPS**	**ID**
Trend Offset Printing			1, 4	9060596969
ADDRESS			**CITY**	**ZIP**
3791 Catalina St			Los Alamitos	90720

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DETAILS
URL: http://epadata.epa.state.il.us/land/inventory/deepSeids.asp?B1=9060596969&strInvNo=9060596969 Inventory ID Number: 9060596969 Site ID: 170000860888 LatDD: Not Reported LonDD: Not Reported Interest Name: Trend Offset Printing Loc PO Box: Not Reported Loc Phone: 3105982446 Loc Contact: ANTHONY SCHILLER Loc Mail: Not Reported Owner Name: TREND OFFSET PRINTING Owner Street: 3791 CATALINA ST Owner PO Box: Not Reported Owner City: LOS ALAMITOS Owner State: CA Own Zip: 90720 Owner Phone: 3105982446 Owner Contact: Not Reported Owner Mail: Not Reported Operator Name: TREND OFFSET PRINTING Operator Street: 3791 CATALINA ST Operator PO Box: Not Reported Operator City: LOS ALAMITOS Operator State: CA Operator Zip: 90720 Operator Phone: 3105982446 More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
LUST-Closed-CA	Completed - Case Closed	0.43 miles SE	26 ft (3 ft lower than site)	65
SITE NAME			**MAPS**	**ID**
L & S PROPERTY MANAGEMENT			1, 4	T0605900167
ADDRESS			**CITY**	**ZIP**
10621 BLOOMFIELD			LOS ALAMITOS	90720

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DETAILS
Sites Details URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605900167 Global ID: T0605900167 Case Type: LUST Cleanup Site Status: Completed - Case Closed Status Date: 1/2/1992 CUF Case: NO Lead Agency: ORANGE COUNTY LOP Case Worker: KL Local Agency: ORANGE COUNTY LOP RB Case Number: 083000218T Loc Case Number: 86UT173 File Location: Local Agency Potential Contaminants of Concern: Diesel, Gasoline Potential Media Affected: Other Groundwater (uses other than drinking water) Site History: Not Reported Begin Date: 10/1/1986 How Discovered: Tank Closure How Discovered Description: Not Reported Stop Method: Close and Remove Tank Stop Method Description: Not Reported Agency Provided Latitude: 33.80876 Agency Provided Longitude: -118.064512 Regulatory Activities Details More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
SLIC-Open-CA	Open - Remediation	0.44 miles N	16 ft (13 ft lower than site)	66
SITE NAME			**MAPS**	**ID**
EL DORADO CLEANER			1, 4	SL204BF1760
ADDRESS			**CITY**	**ZIP**
8171 WARDLOW			LONG BEACH	90808

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DETAILS

Sites Details
URL:
http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=SL204BF1760
Global ID: SL204BF1760
Case Type: Cleanup Program Site
Status: Open - Remediation
Status Date: 10/30/2015
CUF Case: NO
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: Not Reported
Local Agency: Not Reported
RB Case Number: 822
Loc Case Number: Not Reported
File Location: Regional Board
Potential Contaminants of Concern: Tetrachloroethylene (PCE), Trichloroethylene (TCE)
Potential Media Affected: Aquifer used for drinking water supply, Soil, Soil Vapor
Site History: Former El Dorado Cleaners (Site) is located at the northeast corner of the intersection of Norwalk Boulevard and Wardlow Road, in the El Dorado Shopping Center, Long Beach, California. Volatile organic compounds (VOCs) used during previous operations at the Site were released to soil and groundwater. Since 1999, Responsible Party (RP) has completed several environmental investigations that have assessed the full extent of the subsurface VOC impact and have identified contaminant pathways at the Site. Also, RP has undertaken subsurface remedial activities. The soil cleanup activities have removed a significant mass of VOCs in unsaturated soils. The completed groundwater cleanup efforts include oxidation through a sequenced process of injection of hydrogen release compound (HRC) and potassium permanganate, which have noticeably reduced the level of dissolved VOCs and stabilized the groundwater plume. Enhanced bioremediaton with zero valent iron injection is proposed to remediate the residual dissolved-phase VOCs nearby the original source area (around MW-3 and MW-6)
Begin Date: 10/22/1998
How Discovered: Site Assessment/Site Investigation
How Discovered Description: During subsurface investigation
Stop Method: Change Operating Procedures, Other Means
Stop Method Description: Spills during PCE transfer. Better handling procedures
Agency Provided Latitude: 33.8187204970171
Agency Provided Longitude: -118.069550693035

Regulatory Activities Details
More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
LUST-Closed-CA	Completed - Case Closed	0.45 miles N	29 ft (0 ft higher than site)	67
SITE NAME			**MAPS**	**ID**
MOBIL #11-GN1			1, 4	T0603701880
ADDRESS			**CITY**	**ZIP**
8090 WARDLOW RD E			LONG BEACH	90808

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DETAILS

Sites Details
URL:
http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701880
Global ID: T0603701880
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 11/25/1996
CUF Case: NO
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LONG BEACH, CITY OF
RB Case Number: 908080016
Loc Case Number: Not Reported
File Location: Not Reported
Potential Contaminants of Concern: Gasoline
Potential Media Affected: Aquifer used for drinking water supply
Site History: Not Reported
Begin Date: 10/5/1984
How Discovered: Not Reported
How Discovered Description: Not Reported
Stop Method: Not Reported
Stop Method Description: Not Reported
Agency Provided Latitude: 33.8174769
Agency Provided Longitude: -118.0720196

Regulatory Activities Details
More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
LUST-Open-CA	Open - Eligible for Closure	0.45 miles N	29 ft (0 ft higher than site)	67

SITE NAME	MAPS	ID
CIRCLE K STORE #2211134 (FORMER MOBIL #18-GN1)	1, 4	T0603715443

ADDRESS	CITY	ZIP
8090 WARDLOW RD. E.	LONG BEACH	90808-3201

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DETAILS

Sites Details
URL:
http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603715443
Global ID: T0603715443
Case Type: LUST Cleanup Site
Status: Open - Eligible for Closure
Status Date: 5/15/2015
CUF Case: NO
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: JFL
Local Agency: LONG BEACH, CITY OF
RB Case Number: 908080016A
Loc Case Number: 1225057
File Location: Regional Board
Potential Contaminants of Concern: Gasoline
Potential Media Affected: Aquifer used for drinking water supply
Site History: Not Reported
Begin Date: 9/24/2002
How Discovered: Other Means
How Discovered Description: Not Reported
Stop Method: Not Reported
Stop Method Description: Not Reported
Agency Provided Latitude: 33.817276
Agency Provided Longitude: -118.072283

Regulatory Activities Details
More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
LUST-Closed-CA	Completed - Case Closed	0.46 miles N	28 ft (1 ft lower than site)	68
SITE NAME			**MAPS**	**ID**
TEXACO (FORMER)			1, 4	T0603701887
ADDRESS			**CITY**	**ZIP**
3401 NORWALK BLVD			LONG BEACH	90808

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DETAILS
Sites Details URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701887 Global ID: T0603701887 Case Type: LUST Cleanup Site Status: Completed - Case Closed Status Date: 7/19/1996 CUF Case: YES Lead Agency: LOS ANGELES RWQCB (REGION 4) Case Worker: YR Local Agency: LONG BEACH, CITY OF RB Case Number: 908080070 Loc Case Number: Not Reported File Location: Not Reported Potential Contaminants of Concern: Gasoline Potential Media Affected: Aquifer used for drinking water supply Site History: Not Reported Begin Date: 9/16/1986 How Discovered: Other Means How Discovered Description: Not Reported Stop Method: Not Reported Stop Method Description: Not Reported Agency Provided Latitude: 33.817931 Agency Provided Longitude: -118.072236 Regulatory Activities Details More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
County-LUST-Closed-CA	Closed	0.47 miles SE	27 ft (2 ft lower than site)	69
SITE NAME			**MAPS**	**ID**
OROWHEAT			1, 4	RO0002030-ORG
ADDRESS			**CITY**	**ZIP**
10751 BLOOMFIELD ST			LOS ALAMITOS	90720

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DETAILS
County: Orange Record ID: RO0002030 Case ID: 87UT142 Case Closed Date: 3/21/1988 Type of Closure: Closure certification issued Status: Not Reported Case Type Code: S Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
LUST-Closed-CA	Completed - Case Closed	0.48 miles SE	26 ft (3 ft lower than site)	70
SITE NAME			**MAPS**	**ID**
OROWHEAT			1, 4	T0605957462
ADDRESS			**CITY**	**ZIP**
10751 BLOOMFIELD			LOS ALAMITOS	90720

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DETAILS
Sites Details URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605957462 Global ID: T0605957462 Case Type: LUST Cleanup Site Status: Completed - Case Closed Status Date: 3/21/1988 CUF Case: NO Lead Agency: ORANGE COUNTY LOP Case Worker: KL Local Agency: ORANGE COUNTY LOP RB Case Number: Not Reported Loc Case Number: 87UT142 File Location: Local Agency Potential Contaminants of Concern: Gasoline Potential Media Affected: Soil Site History: Not Reported Begin Date: 3/21/1988 How Discovered: Tank Closure How Discovered Description: Not Reported Stop Method: Close and Remove Tank Stop Method Description: Not Reported Agency Provided Latitude: 33.807264 Agency Provided Longitude: -118.063528 Regulatory Activities Details More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
RCRA-COR-US	Listed	0.6 miles SE	25 ft (4 ft lower than site)	71
SITE NAME			**MAPS**	**ID**
SAFETY KLEEN CORP 7 088 05			1, 4	CAD066177783
ADDRESS			**CITY**	**ZIP**
3876 FLORISTA ST			LOS ALAMITOS	90720

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DETAILS

Additional details may be found online using the following link:

http://oaspub.epa.gov/enviro/fii_query_dtl.disp_program_facility?pgm_sys_id_in=CAD066177783&pgm_sys_acrnm_in=RCRAINFO

Source Type: Implementer
Generator Status Universe: SQG
Generator Status: Small Quantity Generator
NAICS1: AUTOMOTIVE PARTS AND ACCESSORIES STORES
Active Site Indicator: H-A--
Operator Name: SAFETY-KLEEN CORP ELGIN IL
In Handler Universes: Y
In a Universe: Y
Short Term Generator: N
Importer Activity: N
Mixed Waste Generator: N
Transporter Activity: Y
Transfer Facility: N
Recycler Activity: N
Onsite Burner Exemption: N
Furnace Exemption: N
Underground Injection Activity: N
Receives Waste From Off-site: Y
Universal Waste: N
Universal Waste Destination Facility: N
Used Oil Universe: NNNNNNN
Federal Universal Waste: N
Active Site Federally Regulated TSDF: ------
Active Site Converter TSDF: ------

More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Military-Bases-US	Listed	0.88 miles S	N/A	A1

SITE NAME	MAPS	ID
AFRC Los Alamitos	7	97

ADDRESS	CITY	ZIP
Not Reported by Agency		

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DETAILS
Facility Name: AFRC Los Alamitos Facility Type: Army Installation Closure: Not Reported Realignment Date: Not Reported Base Realignment and Closure that affected the installation: Not Reported Military Organization Category: Army State FIPS: 06

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Military-Bases-US	Listed	0.96 miles NW	N/A	A2
SITE NAME			**MAPS**	**ID**
Long Beach Regional Med Ctr			7	124
ADDRESS			**CITY**	**ZIP**
Not Reported by Agency				
DETAILS				
Facility Name: Long Beach Regional Med Ctr Facility Type: Hospital Closure: Not Reported Realignment Date: Not Reported Base Realignment and Closure that affected the installation: Not Reported Military Organization Category: Navy State FIPS: 06				

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RECORDS SOURCES SEARCHED

ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
Air-CA	Air Permits with Emissions	ERS Supplemental Govt Sources	Click Here	None Found
AIR-DIST-CA	Air Pollution Control District	ERS Supplemental Govt Sources	Click Here	22
ALLFACS-IL	All Facilities	ERS Supplemental Govt Sources	Click Here	3
AST-CA	Historical Aboveground Storage Tanks	State/Tribal UST	Click Here	None Found
AST-CRSP-CA	Aboveground Storage Tanks	State/Tribal UST	Click Here	None Found
BF-MOA-CA	Brownfield MOA Sites (aka Considered Brownfield Sites, SWRCB MOA, Brownfield Memorandum of Agreement)	State/Tribal Brownfield	Click Here	None Found
BF-Tribal-US	Historical Tribal Brownfields	Federal Brownfield	Click Here	None Found
BF-US	Brownfields Sites	Federal Brownfields	Click Here	None Found
BioFuel-US	Bio Diesel Fuel	ERS Supplemental Govt Sources	Click Here	None Found
BZ-HazWaste-CA	Border Zone or Hazardous Waste Property	State/Tribal ASTM Other Med	Click Here	None Found
CAF-CA	Confined Animal Facilities	ERS Supplemental Govt Sources	Click Here	None Found
CDL-CA	Clandestine Drug Labs	ERS Supplemental Govt Sources	Click Here	None Found
CDL-US	National Clandestine Drug Lab Register	ERS Supplemental Govt Sources	Click Here	None Found
CERCLIS-Archived-US	CERCLIS sites that have been archived	Federal CERCLIS NFRAP	Click Here	1
CERCLIS-US	Comprehensive Environmental Response, Compensation, and Liability Information System	Federal CERCLIS	Click Here	None Found
CERS-CA	California Environmental Reporting System (CERS)	State/Tribal ASTM Other Med	Click Here	10
CHMIRS-CA	California Hazardous Material Incident Report System	Emergency Release Reports	Click Here	None Found
CHWF-CA	Commercial Offsite Hazardous Waste Facilities	ERS Supplemental Govt Sources	Click Here	None Found
City-AST-CA	Underground Storage Tanks	State/Tribal UST	Click Here	None Found
City-CUPA-CA	Certified Unified Program Agency	State/Tribal ASTM Other Med	Click Here	None Found

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ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
City-Others-CA	Hazardous Material Facilities	State/Tribal ASTM Other Med	Click Here	None Found
City-UST-CA	City Agency Underground Storage Tanks	State/Tribal UST	Click Here	None Found
Cleaners-CA	Cleaners	ERS Supplemental Govt Sources	Click Here	1
Coal-Ash-Dams-US	Coal Ash Contaminated Sites and Hazard Dams	ERS Supplemental Govt Sources	Click Here	None Found
Controls-CA	California sites with Deed Restrictions or other Controls	State/Tribal Inst/Eng Controls	Click Here	None Found
Controls-RCRA-US	RCRA Institutional and Engineering Controls Summary (aka Federal RCRA with Controls)	Federal Institutional/Engineering Controls	Click Here	None Found
Controls-US	US CERCLA Sites with Controls (aka US IC/EC, Institutional/Engineering List Controls, Land Use Controls)	Federal Institutional/Engineering Controls	Click Here	None Found
CorAct-Closed-CA	Corrective Action Sites	State/Tribal ASTM Other Low	Click Here	None Found
CorAct-Open-CA	Corrective Action Sites	State/Tribal ASTM Other High	Click Here	None Found
CorAct-Other-CA	Corrective Action Sites	State/Tribal ASTM Other Low	Click Here	None Found
CORTESE-CA	Cortese Hazardous Waste & Substances Sites List	State/Tribal ASTM Other Med	Click Here	None Found
County-AST-CA	Aboveground Storage Tanks	State/Tribal UST	Click Here	None Found
County-BI-CA	Business Inventory	ERS Supplemental Govt Sources	Click Here	None Found
County-Hist-CA	Historic Environmental County Listings	State/Tribal ASTM Other Med	Click Here	None Found
County-LUST-CA	County Agency Leaking Underground Storage Tanks	State/Tribal LUST	Click Here	None Found
County-LUST-Closed-CA	County Agency Leaking Underground Storage Tanks, Closed Cases	State/Tribal LUST	Click Here	15
County-LUST-Open-CA	County Agency Leaking Underground Storage Tanks, Open Cases	State/Tribal LUST	Click Here	2
County-Others-CA	Environmental Related Databases	State/Tribal ASTM Other Med	Click Here	8
County-SLIC-Closed-CA	County SLIC Sites	Emergency Release Reports	Click Here	None Found

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ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
County-SLIC-Open-CA	County SLIC Sites	Emergency Release Reports	Click Here	None Found
County-SML-CA	County Site Mitigation Unit List	State/Tribal ASTM Other Med	Click Here	None Found
County-SWF-CA	County Solid Waste Facilities	State/Tribal Landfill/Solid Waste	Click Here	None Found
County-UST-CA	County Agency Underground Storage Tanks	State/Tribal UST	Click Here	None Found
CRSP-CA	Cal EPA Regulated Site Portal	State/Tribal ASTM Other Med	Click Here	20
CUPA-CA	Certified Unified Program Agency	State/Tribal ASTM Other Med	Click Here	None Found
Dams-CA	California Dams	ERS Supplemental Govt Sources	Click Here	None Found
Debris-US	Historical Debris Sites	Federal Solid Waste	Click Here	None Found
Deed-CA	Deed Restrictions/Land Use Restrictions	State/Tribal Inst/Eng Controls	Click Here	None Found
Delisted-NPL-US	Delisted NPL Sites	Federal Delisted NPL	Click Here	None Found
DPR-CA	Pesticide Regulation Licenses	ERS Supplemental Govt Sources	Click Here	None Found
DryCleaners-CA	Dry Cleaner Facilities	ERS Supplemental Govt Sources	Click Here	None Found
EGRID-US	Emissions & Generation Resource Facilities	ERS Supplemental Govt Sources	Click Here	None Found
ENF-CA	Enforcement Actions Data	State/Tribal ASTM Other Med	Click Here	8
ENF-SMARTS-CA	Storm Water Enforcement Actions	State/Tribal ASTM Other Med	Click Here	None Found
ENF-Wastewater-CA	Wastewater Enforcement Actions	State/Tribal ASTM Other Med	Click Here	None Found
EPA-Watch-List-US	Historical EPA Watch List	ERS Supplemental Govt Sources	Click Here	None Found
ERNS-US	Emergency Response Notification System	Federal ERNS	Click Here	None Found
Eval-Hist-Active-CA	EnviroStor Evaluation History Sites	State/Tribal ASTM Other	Click Here	None Found
Eval-Hist-NFA-CA	EnviroStor Database Evaluation History NFA Sites	State/Tribal ASTM Other	Click Here	None Found

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ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
Eval-Hist-Other-CA	EnviroStor Database Evaluation History NFA Sites	State/Tribal ASTM Other	Click Here	1
FA-HW-CA	Financial Assurance, Hazardous Waste	ERS Supplemental Govt Sources	Click Here	None Found
FA-HW-US	Financial Assurance, Hazardous Waste	ERS Supplemental Govt Sources	Click Here	None Found
FA-SWF-CA	Financial Assurance, Solid Waste Facilities	ERS Supplemental Govt Sources	Click Here	None Found
FEMA-UST-US	Historical FEMA Underground Storage Tanks	Federal UST	Click Here	None Found
FRS-US	Facility Registry Index (FINDS)	ERS Supplemental Govt Sources	Click Here	1
FTTS-ENF-US	Historical FIFRA/TSCA Tracking System (FTTS) Enforcement Actions	Federal ASTM Other	Click Here	None Found
FTTS-INSP-US	Historical FIFRA/TSCA Tracking System (FTTS) Inspections	ERS Supplemental Govt Sources	Click Here	None Found
FUDS-US	Formerly Used Defense Sites	ERS Supplemental Govt Sources	Click Here	None Found
FUSRAP-US	Formerly Utilized Sites Remedial Action Program Sites	ERS Supplemental Govt Sources	Click Here	None Found
Haulers-CA	Registered Waste Tire Haulers Listing	ERS Supplemental Govt Sources	Click Here	None Found
HazWaste-CA	Hazardous Waste Facilities	State/Tribal ASTM Other Med	Click Here	None Found
Hist-AFS2-US	Historical Air Facility System for Clean Air Act stationary sources	ERS Supplemental Govt Sources	Click Here	None Found
Hist-AFS-US	Historical Air Facility System for Clean Air Act stationary sources	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Agriculture	Historical Ranches/Farms, Livestock/Agriculture	ERS Exclusive Historic Sources	Click Here	None Found
Hist-AST-CA	Historical Aboveground Storage Tanks	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Auto Dealers	Historical Auto and Truck Dealers	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Auto Repair	Historical Automotive Repair	ERS Exclusive Historic Sources	Click Here	10
Hist-AWS-CA	Historical Annual Workplan Sites	ERS Supplemental Govt Sources	Click Here	None Found
Hist-CA	Previously Listed California Sites	ERS Supplemental Govt Sources	Click Here	2
Hist-CalFID-CA	Historical Facility Inventory Database	ERS Supplemental Govt Sources	Click Here	8

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ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
Hist-CALSITES-CA	Historical Calsites Database	ERS Supplemental Govt Sources	Click Here	None Found
Hist-CERCLIS-NFRAP-US	Historical CERCLIS-NFRAP	ERS Supplemental Govt Sources	Click Here	None Found
Hist-CERCLIS-US	Historical CERCLIS Sites	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Chemical Manufacturing	Historical Manufacturing and Distribution of Chemicals, Gases, and/or Solids	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Chemical-Storage	Historical Chemical/Hazardous Use Storage	ERS Exclusive Historic Sources	Click Here	None Found
Hist-City-UST-CA	Historical Underground Storage Tanks	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Cleaners	Historical Laundry, Cleaners, and Dry Cleaning Services	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Controls-CA	Historical Restricted Use Sites	State/Tribal Inst/Eng Controls	Click Here	None Found
Hist-Convenience	Historical Convenience Store with Possible Gas	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Cort-CA	Historical Cortese list	State/Tribal ASTM Other Med	Click Here	None Found
Hist-Deed-CA	Historical Deed Restriction Properties	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Disposal-Recycle	Historical Hazardous Disposal/Recycle and Dumps/Waste	ERS Exclusive Historic Sources	Click Here	None Found
Hist-DTG-CA	Depth to Groundwater	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Dumps-US	Historical Dumps Inventory of 1985	Federal Solid Waste	Click Here	None Found
Hist-ERNS-US	Historical Emergency Response Notification System (ERNS)	ERS Supplemental Govt Sources	Click Here	None Found
Hist-FIFRA-US	Historical Case Administration Data from National Compliance Database (Federal Insecticide, Fungicide, and Rodenticide Act)	ERS Supplemental Govt Sources	Click Here	None Found
Hist-FINDS-US	Historical Facility Index System	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Food-Processors	Historical Food Processing Manufacturers	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Gun-Ranges	Historical Gun Ranges/Clubs	ERS Exclusive Historic Sources	Click Here	None Found

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ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
Hist-HWS-CA	Historical Cortese List-Hazardous Waste Substance Site List	ERS Supplemental Govt Sources	Click Here	6
Hist-LUSTIS-CA	Historical Lust Information System (LUSTIS)	ERS Supplemental Govt Sources	Click Here	8
Hist-Machine Shop	Historical Machine Shops, Welding, Machine Repair	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Manufacturing	Historical Sources US: Manufacturing	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Metal Plating	Historical Metal Plating	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Mining	Historical Mining Operations	ERS Exclusive Historic Sources	Click Here	None Found
HIST-MLTS-US	Historical Material Licensing Tracking System	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Mortuaries	Historical Crematories/Mortuaries	ERS Exclusive Historic Sources	Click Here	None Found
HIST-MTBE-CA	Historical Sites With MTBE (Methyl Tertiary-Butyl Ether) Contamination	ERS Supplemental Govt Sources	Click Here	None Found
Hist-NPL-US	Historical National Priority List	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Oil-Gas	Historical Oil and Gas Well Related Facilities	ERS Exclusive Historic Sources	Click Here	None Found
Hist-OilGas-Refiners	Historical Oil/Gas Refiners/Manufacturers/Plants	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Orange-County-LF-CA	Historical Orange County Landfills	ERS Supplemental Govt Sources	Click Here	None Found
Historical-CA	Historical Sites	ERS Supplemental Govt Sources	Click Here	1
Hist-Other	Historical Environmental Facilities	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Paint-Stores	Historical Paint Stores	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Petroleum	Historical Petroleum Refining/ Manufacturing/ Chemicals	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Post-Offices	Historical Post Offices	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Printers	Historical Printers and Publishers	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Prop65-CA	Historical Prop 65 Sites	ERS Supplemental Govt Sources	Click Here	None Found

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ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
HIST-R4-CA	Historical sites	State/Tribal ASTM Other Med	Click Here	None Found
Hist-RCRIS-US	Historical EPA's Resource Conservation and Recovery Act	ERS Supplemental Govt Sources	Click Here	2
Hist-Regional-LUST-CA	Historical Leaking Underground Storage Tanks	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Regional-Other-CA	Historical Toxic Lists, Site Mitigation, and Groundwater Cleanup Program	ERS Supplemental Govt Sources	Click Here	6
Hist-Regional-SLIC-CA	Historical Spills and Leak Sites	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Regional-Spills-CA	Historical Industrial Cleanup Sites	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Regional-SWLF-CA	Historical County Landfills and Transfer Stations	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Regional-UST-CA	Historical Underground Storage Tanks	ERS Supplemental Govt Sources	Click Here	6
Hist-Rental	Historical Rental Equipment & Yards	ERS Exclusive Historic Sources	Click Here	None Found
Hist-RV-Dealers	Historical Trailer and Recreational Vehicle Dealers	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Salvage	Historical Vehicle Salvage Yards or Wreckers	ERS Exclusive Historic Sources	Click Here	None Found
Hist-SCL-CA	Historical California Cerclis Sites	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Service Stations	Historical Service Stations/Vehicle Fueling	ERS Exclusive Historic Sources	Click Here	None Found
HIST-SLIC-CV-CLOSED-CA	Historical Central Valley Spills and Leak Sites	Emergency Release Reports	Click Here	None Found
HIST-SLIC-CV-OPEN-CA	Historical Central Valley Spills and Leak Sites	Emergency Release Reports	Click Here	None Found
Hist-Steel-Metals	Historical Steel Mills/Manufacturers/Foundries/Smelters	ERS Exclusive Historic Sources	Click Here	None Found
Hist-SWIS-CA	Historical Solid Waste Information System (SWIS)	ERS Supplemental Govt Sources	Click Here	1
Hist-Textile	Historical Textile Mills/Manufacturers	ERS Exclusive Historic Sources	Click Here	None Found
Hist-ToxicPits-CA	Historical Toxic Pits Cleanup Facilities	ERS Supplemental Govt Sources	Click Here	None Found

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ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
Hist-Transportation	Historical Transportation Facilities	ERS Exclusive Historic Sources	Click Here	None Found
Hist-TRIS-US	Historical Toxic Release Inventory System	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Trucking	Historical Trucking, Shipping, Delivery, and/or Storage	ERS Exclusive Historic Sources	Click Here	None Found
Hist-US	Historical Previously Listed Federal Sites	ERS Supplemental Govt Sources	Click Here	None Found
Hist-US-EC	Historical Engineering Controls Sites (aka US EC, Engineering Controls, Land Use Controls)	Federal Institutional/Engineering Controls	Click Here	None Found
Hist-USGS-WaterWells-CA	Historical Ground Water Site Inventory for California	ERS Supplemental Govt Sources	Click Here	None Found
Hist-US-IC	Historical Sites with Institutional Controls (aka US IC, Institutional Controls, Land Use Controls)	Federal Institutional/Engineering Controls	Click Here	None Found
Hist-UST-CA	Historical Hazardous Substance Storage Infirmation (aka Historical Underground Storage Tanks)	State/Tribal UST	Click Here	9
Hist-UST-Cleanup-CA	Historic UST Cases Recommended for Closure under UST Cleanup Fund 5 Year Review (aka UST Cleanup Fund Cases)	State/Tribal LUST	Click Here	None Found
Hist-USTReg-CA	Historical Underground Storage Tank Registrations Database	ERS Supplemental Govt Sources	Click Here	1
Hist-Vehicle-Parts	Historical Vehicle Parts	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Vehicle-Washing	Historical Vehicle/Truck Washing Facilities	ERS Exclusive Historic Sources	Click Here	None Found
Hist-WaterWells-US	Historical Public Community Water Supply/Well Head Protection Database	ERS Supplemental Govt Sources	Click Here	None Found
Hist-WIP-Active-CA	Historical Well Investigation Program Case List, Active Sites (aka WIP)	State/Tribal ASTM Other Med	Click Here	None Found
Hist-WIP-Backlog-CA	Historical Well Investigation Program Case List, Backlog Sites (aka WIP)	State/Tribal ASTM Other Med	Click Here	None Found
Hist-WIP-Historical-CA	Historical Well Investigation Program Case List, Historical Sites (aka WIP)	State/Tribal ASTM Other Low	Click Here	None Found
Hist-WMUDS-CA	Historical Waste Management Unit Database System	ERS Supplemental Govt Sources	Click Here	1
HMIS-US	Hazardous Materials Information System	Federal Emergency Release Reports	Click Here	None Found

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ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
HWIS-CA	Hazardous Waste Information Summary	State/Tribal RCRA Equivalent	Click Here	None Found
HWMP-Controls-CA	Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction	State/Tribal Inst/Eng Controls	Click Here	None Found
HWT-CA	Hazardous Waste Transporters	ERS Supplemental Govt Sources	Click Here	2
ICE-CA	Inspection, Compliance, and Enforcement	State/Tribal ASTM Other Med	Click Here	None Found
ICIS-Air-US	Integrated Compliance Information System for Air	ERS Supplemental Govt Sources	Click Here	None Found
ICIS-FEC-US	Integrated Compliance Information System for Federal Enforcement Data	ERS Supplemental Govt Sources	Click Here	None Found
ICIS-NPDES-US	National Pollutant Discharge Elimination System (NPDES)	ERS Supplemental Govt Sources	Click Here	None Found
LA-LF-CA	Los Angeles County Landfills	State/Tribal Solid Waste	Click Here	None Found
Land-Disposal-CA	Geotracker - Land Disposal Sites (aka Landfills, LDS)	State/Tribal Landfill/Solid Waste	Click Here	None Found
LA-Waste-Haulers-CA	Waste Haulers	ERS Supplemental Govt Sources	Click Here	None Found
Lead-Smelter-2-US	Historical Lead Smelter Sites	ERS Supplemental Govt Sources	Click Here	None Found
Lead-US	Lead Smelter Sites	ERS Supplemental Govt Sources	Click Here	None Found
Liens-CA	Environmental Liens	State/Tribal Inst/Eng Controls	Click Here	None Found
LIENS-US	Superfund Liens	Federal Institutional/Engineering Controls	Click Here	None Found
LMOP-US	Landfill Methane Outreach Program	ERS Supplemental Govt Sources	Click Here	None Found
LUST-Closed-CA	Geotracker - Leaking Underground Storage Tanks, Closed Cases	State/Tribal LUST	Click Here	16
LUST-Open-CA	Geotracker - Leaking Underground Storage Tanks, Open Cases	State/Tribal LUST	Click Here	3
Manifest2-RI	Hazardous Waste Manifest	State/Tribal RCRA Equivalent	Click Here	None Found
MethaneLF-CA	Methane Producing Landfills	State/Tribal Other	Click Here	None Found
Military-Active-CA	EnviroStor Database Military Active Sites (aka MCS)	State/Tribal Voluntary Cleanup Sites	Click Here	None Found

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ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
Military-Bases-US	Military Base Boundaries	ERS Supplemental Govt Sources	Click Here	2
Military-NFA-CA	EnviroStor Database Military Active Sites (aka MCS)	State/Tribal Voluntary Cleanup Sites	Click Here	None Found
Military-Other-CA	EnviroStor Database Military Active Sites (aka MCS)	State/Tribal Voluntary Cleanup Sites	Click Here	None Found
Mines2-CA	California Mines	ERS Supplemental Govt Sources	Click Here	None Found
Mines-CA	Historical Death Valley Mines	ERS Supplemental Govt Sources	Click Here	None Found
Mines-CDMG-CA	California Division of Mines and Geology	ERS Supplemental Govt Sources	Click Here	None Found
MINES-US	Mines Master Index File	ERS Supplemental Govt Sources	Click Here	None Found
MLTS-US	Material Licensing Tracking System	ERS Supplemental Govt Sources	Click Here	None Found
Mortgage-CA	Cal Mortgage Facilities	ERS Supplemental Govt Sources	Click Here	None Found
MRDS-US	Mineral Resources Data System (MRDS)	ERS Supplemental Govt Sources	Click Here	None Found
MWMP-CA	Medical Waste Management Program	ERS Supplemental Govt Sources	Click Here	None Found
NCI-CA	Non-Case Information	ERS Supplemental Govt Sources	Click Here	None Found
NEI-LF-CA	Historical NEI (National Emission Inventory) Landfill Point Sources	ERS Supplemental Govt Sources	Click Here	1
NPDES-CA	National Pollutant Discharge Elimination System	ERS Supplemental Govt Sources	Click Here	None Found
NPDES-SW-CA	Notice of Intent Data	ERS Supplemental Govt Sources	Click Here	2
NPL-R9-US	NPL Region 9 Site Boundaries	Federal NPL	Click Here	None Found
NPL-US	National Priorities List	Federal NPL	Click Here	None Found
OGM-CA	Oil and Gas Monitoring	ERS Supplemental Govt Sources	Click Here	None Found
OGW-CA	California Oil and Gas Wells	ERS Supplemental Govt Sources	Click Here	None Found
OSCF-CA	Orphan Site Cleanup Fund	ERS Supplemental Govt Sources	Click Here	None Found
PADS-US	PCB Registration Database System	Federal ASTM Other	Click Here	None Found
PCB-US	PCB Transformers	Federal ASTM Other	Click Here	None Found

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ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
PCS-US	Historical Permit Compliance System for Clean Water Act	ERS Supplemental Govt Sources	Click Here	None Found
Perch1-CA	Perchlorate Confirmed Contaminant Sites	ERS Supplemental Govt Sources	Click Here	None Found
Perch2-CA	Perchlorate Confirmed Contaminant Sites	ERS Supplemental Govt Sources	Click Here	None Found
PR-MOA-CA	Polanco Redevelopment MOA Sites	State/Tribal ASTM Other Med	Click Here	None Found
Project-CA	Project - Multipurpose Site Type	ERS Supplemental Govt Sources	Click Here	None Found
Proposed-NPL-US	Proposed NPL Sites	Federal NPL	Click Here	None Found
RADINFO-US	Radiation Information Database	ERS Supplemental Govt Sources	Click Here	None Found
RCRA-CESQG-US	Resource Conservation and Recovery Act, Conditionally Exempt Small Quantity Generators (aka RCRA CESQG)	Federal RCRA Generators	Click Here	None Found
RCRA-COR-US	Resource Conservation and Recovery Act, - Corrective Actions (aka RCRA CORRACTS)	Federal RCRA CORRACTS	Click Here	1
RCRA-LQG-US	Resource Conservation and Recovery Act, Large Quantity Generators (aka RCRA LQG)	Federal RCRA Generators	Click Here	None Found
RCRA-NON-US	Resource Conservation and Recovery Act, Non-Hazardous Generators (aka RCRA Non-Haz, RCRA NonGen, RCRA No longer Regulated)	Federal RCRA Generators	Click Here	12
RCRA-SQG-US	Resource Conservation and Recovery Act, Small Quantity Generators (aka RCRA SQG)	Federal RCRA Generators	Click Here	8
RCRA-TSDF-US	Resource Conservation and Recovery Act -, Treatment, Storage, and Disposal Facilities (aka RCRA TSD, RCRA TSDF)	Federal RCRA non-CORRACTS TSD	Click Here	None Found
Response-CA	State Response Sites and National Priorities List (NPL)	State/Tribal NPL	Click Here	None Found
RFG-Lab-US	Reformulated Gasoline (RFG)	ERS Supplemental Govt Sources	Click Here	None Found
RMP-US	Risk Management Plans	ERS Supplemental Govt Sources	Click Here	None Found
ROD-US	Records of Decision	ERS Supplemental Govt Sources	Click Here	None Found

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ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
SAA-Agreements-US	Sites with Superfund Alternative Approach Agreements	Federal ASTM Other	Click Here	None Found
School-Active-CA	EnviroStor Database School Active Sites (aka School Property Evaluation Program, SCH)	State/Tribal Voluntary Cleanup Sites	Click Here	None Found
School-NFA-CA	EnviroStor Database School Active Sites (aka School Property Evaluation Program, SCH)	State/Tribal Voluntary Cleanup Sites	Click Here	1
School-Other-CA	EnviroStor Database School Active Sites (aka School Property Evaluation Program, SCH)	State/Tribal Voluntary Cleanup Sites	Click Here	None Found
SDWIS-US	Safe Drinking Water Information System	ERS Supplemental Govt Sources	Click Here	None Found
SGV-Deep-Plumes-CA	San Gabriel Valley Deep Plumes	State/Tribal Solid Waste	Click Here	None Found
SGV-Shallow-Plumes-CA	San Gabriel Valley Shallow Plumes	State/Tribal Solid Waste	Click Here	None Found
SGV-Shallow-Plumes-Puente-Valley-CA	Puente Valley Shallow Plumes	State/Tribal Solid Waste	Click Here	None Found
SLIC-Closed-CA	Geotracker - The Spills, Leaks, Investigation & Cleanup (SLIC), Closed Cases	Emergency Release Reports	Click Here	None Found
SLIC-Open-CA	Geotracker -Spills, Leaks, Investigation & Cleanup (SLIC), Open Cases	Emergency Release Reports	Click Here	3
SML-CA	Site Mitigation List	State/Tribal ASTM Other Med	Click Here	None Found
SP-CA	Sampling Points	ERS Supplemental Govt Sources	Click Here	None Found
Spills-SSO-CA	Sanitary Sewer System	ERS Supplemental Govt Sources	Click Here	None Found
SSTS-US	Section 7 Tracking System	ERS Supplemental Govt Sources	Click Here	None Found
State-Response-Active-CA	EnviroStor State Response Active Sites	State/Tribal NPL	Click Here	None Found
State-Response-NFA-CA	EnviroStor State Response NFA Sites	State/Tribal NPL	Click Here	None Found

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ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
State-Response-Other-CA	EnviroStor State Response Other Sites	State/Tribal NPL	Click Here	None Found
Superfund-Active-CA	Envirorstor Superfund Active Sites (aka BEAP, CalSites, Brownfields and Environmental Restoration Program)	State/Tribal CERCLIS Equivalent	Click Here	None Found
Superfund-NFA-CA	EnviroStor Superfund NFA Sites (aka BEAP, CalSites, Brownfields and Environmental Restoration Program)	State/Tribal CERCLIS Equivalent	Click Here	None Found
Superfund-Other-CA	EnviroStor Superfund Sites (aka BEAP, CalSites, Brownfields and Environmental Restoration Program)	State/Tribal CERCLIS Equivalent	Click Here	None Found
SWIS-CA	Solid Waste Information System	State/Tribal Landfill/Solid Waste	Click Here	None Found
SWLF-US	Solid Waste Facilities	Federal Solid Waste	Click Here	None Found
SWRCY-CA	Beverage Container Recycler Database	State/Tribal ASTM Other Med	Click Here	None Found
TierPer-CA	Tiered Permits	ERS Supplemental Govt Sources	Click Here	None Found
TOMS-CA	Topographically Occurring Mine Symbols	ERS Supplemental Govt Sources	Click Here	None Found
Tribal-Air-US	Tribal Air Permitted Facilities	ERS Supplemental Govt Sources	Click Here	None Found
Tribal-LUST-Closed-Reg9	Tribal Leaking Underground Storage Tanks, Region 9 (aka Indian Lust)	Federal LUST	Click Here	None Found
Tribal-LUST-Open-Reg9	Tribal Leaking Underground Storage Tanks , Region 9 (aka Indian Lust)	Federal LUST	Click Here	None Found
Tribal-ODI-US	Tribal Open Dump Sites	Federal Solid Waste	Click Here	None Found
Tribal-UST-Reg9	Tribal Underground Storage Tanks (aka Tribal UST)	Federal UST	Click Here	None Found
Tribal-VCP-US	Tribal VCP	Federal Tribal VCP	Click Here	None Found
TRIS2000-US	Historical Toxics Release Inventory System	ERS Supplemental Govt Sources	Click Here	None Found
TRIS2010-US	Toxics Release Inventory System	ERS Supplemental Govt Sources	Click Here	None Found
TRIS80-US	Historical Toxics Release Inventory System	ERS Supplemental Govt Sources	Click Here	None Found
TRIS90-US	Historical Toxics Release Inventory System	ERS Supplemental Govt Sources	Click Here	None Found
TSCA-US	Toxics Substance Control Sites	ERS Supplemental Govt Sources	Click Here	None Found

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ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
UIC2-CA	Injection Wells	ERS Supplemental Govt Sources	Click Here	None Found
UIC-CA	Underground Injection Control Wells	ERS Supplemental Govt Sources	Click Here	None Found
UMTRA-US	Historical Uranium Mill Tailings Remedial Action Sites	ERS Supplemental Govt Sources	Click Here	None Found
USGS-Waterwells-US	Ground Water Site Inventory	ERS Supplemental Govt Sources	Click Here	None Found
UST-Abandoned-CA	Abandoned UST Initiative (aka Inventory of Abandoned Tank Sites)	State/Tribal UST	Click Here	None Found
UST-CA	Geotracker - Underground Storage Tanks	State/Tribal UST	Click Here	None Found
UST-Closed-CA	UST Case Closure Review Denials and Approved Orders (aka Closure of Underground Storage Tank (UST) Cases)	State/Tribal UST	Click Here	None Found
USTComp-CA	Previously Abandoned Tanks Now in Compliance (aka Compliance UST)	State/Tribal UST	Click Here	None Found
UST-CRSP-CA	Underground Storage Tanks	State/Tribal UST	Click Here	None Found
UST-Priority-CA	UST Cleanup Fund Priority List	State/Tribal UST	Click Here	1
UST-Proposed-CA	Proposed Closure of UST Cases (aka UST Proposed for Closure)	State/Tribal UST	Click Here	None Found
Vapor-Intrusions-US	Vapor Intrusion Database	ERS Supplemental Govt Sources	Click Here	None Found
VCP-Active-CA	EnviroStor VCP Active Sites	State/Tribal Voluntary Cleanup Sites	Click Here	None Found
VCP-NFA-CA	EnviroStor Database VCP NFA Listing	State/Tribal Voluntary Cleanup Sites	Click Here	None Found
VCP-Other-CA	EnviroStor VCP Other Sites	State/Tribal Voluntary Cleanup Sites	Click Here	None Found
WDR-CA	Waste Discharge Requirements	ERS Supplemental Govt Sources	Click Here	None Found

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UN-MAPPABLE OCCURRENCES

The following occurrences were not mapped primarily due to incomplete or inaccurate address information. All of the following occurrences were determined to share the same zip code as the area searched. General status information is given with each occurrence along with any address information entered by the agency responsible for the list.

ID	Facility Name	Address	Database	Status
No "un-mapped" sites requested.				

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The data presented in this report should only be interpreted by an experienced environmental professional, as per EPA definition, that completely understands the potential inaccuracy of the data derived from others, the possible existence of contaminated occurrences that have not been listed, and the possibility that the governmental database misrepresents the actual status of an occurrence or listing. Prior to relying completely on any of the data within this report, an environmental professional should verify the accuracy of the information presented unless one of ERS's Environmental Professionals has interpreted the data and/or report.

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ERS does however stand behind its representation of the data, any manually plotted occurrences, any risk determinations and all other items directly under its control. This report does comply (as far as the data is reasonably ascertainable as outlined in both the following standards) with section 8.2.1 of ASTM 1527-13 – Standard Environmental Record Sources and EPA's 40 CFR Part 312, All Appropriate Inquiries. ***ERS*** does ensure that the data is accurately reproduced from the original source. ***ERS*** backs the reporting of the data with $3,000,000 of General and Environmental Professional Liability (errors and omissions) Insurance!

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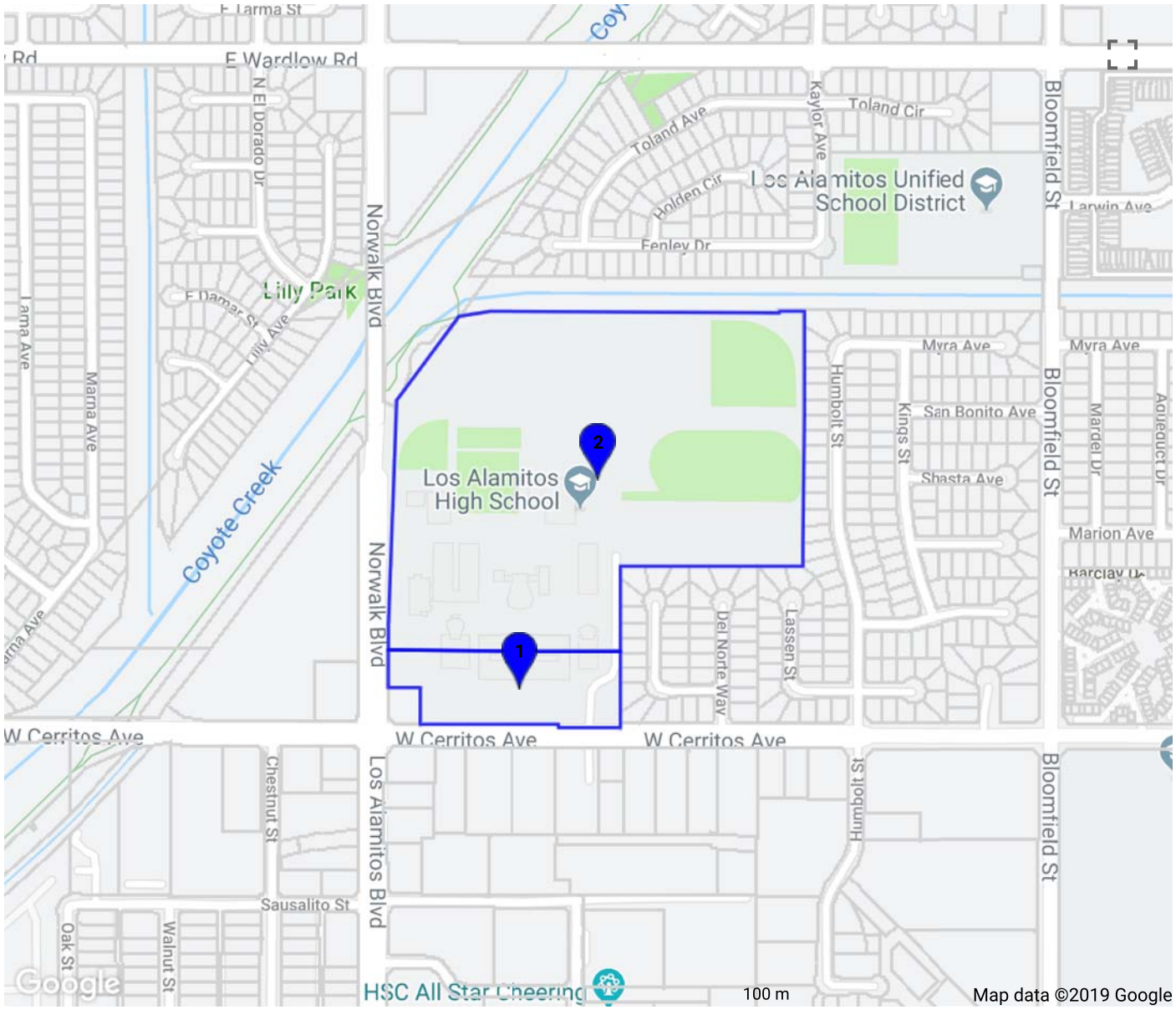
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APPENDIX E

Other Pertinent Information



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PARCELQUEST

	id	Co	APN ^	Owner	S Street Address	S City State Zip
☑	1	ORG	242-262-07	SCHOOL LOS ALAMITOS UNIFIED DISTRICT OF		LOS ALAMITOS CA 90720
☑	2	ORG	242-262-02	SCHOOL LOS ALAMITOS UNIFIED DISTRICT OF	3591 CERRITOS AVE	LOS ALAMITOS CA 90720-2414

PARCELQUEST

1 Property Address: LOS ALAMITOS CA 90720

Ownership

County:	**ORANGE, CA**
Assessor:	**CLAUDE PARRISH, ASSESSOR**
Parcel # (APN):	**242-262-07**
Parcel Status:	
Owner Name:	**SCHOOL LOS ALAMITOS UNIFIED DISTRICT OF**
Mailing Address:	**10652 REAGAN ST LOS ALAMITOS CA 90720-2429**
Legal Description:	**N TR 945 BLK LOT 3 TR 945 LOT 3 S 300 FT W 933.43 FT -EX S 140 FT W**

Assessment

Total Value:	**$2,031,613**	Use Code:	**8**	Use Type:	**TAX EXEMPTS**
Land Value:	**$2,031,613**	Tax Rate Area:	**022-006**	Zoning:	
Impr Value:		Year Assd:	**2018**	Census Tract:	**1101.08/2**
Other Value:		Property Tax:		Price/SqFt:	
% Improved:	**0%**	Delinquent Yr:			
Exempt Amt:	**$2,031,613**	HO Exempt:	**N**		

Sale History

	Sale 1	Sale 2	Sale 3	Transfer
Document Date:	**00/00/1985**			**00/00/1985**
Document Number:	**00095271**			**00095271**
Document Type:	**GRANT DEED**			
Transfer Amount:				
Seller (Grantor):				

Property Characteristics

Bedrooms:		Fireplace:		Units:	
Baths (Full):		A/C:		Stories:	
Baths (Half):		Heating:		Quality:	
Total Rooms:		Pool:		Building Class:	
Bldg/Liv Area:		Park Type:		Condition:	
Lot Acres:	**5.699**	Spaces:		Site Influence:	
Lot SqFt:	**248,270**	Garage SqFt:		Timber Preserve:	
Year Built:				Ag Preserve:	
Effective Year:					

PARCELQUEST

2 Property Address: 3591 CERRITOS AVE LOS ALAMITOS CA 90720-2414

Ownership

County:	**ORANGE, CA**
Assessor:	**CLAUDE PARRISH, ASSESSOR**
Parcel # (APN):	**242-262-02**
Parcel Status:	
Owner Name:	**SCHOOL LOS ALAMITOS UNIFIED DISTRICT OF**
Mailing Address:	**10652 REAGAN ST LOS ALAMITOS CA 90720-2429**
Legal Description:	**N TR 945 BLK LOT 2 TR 945 LOT 2 POR OF LOT AND POR OF LOT 3 ALL**

Assessment

Total Value:	**$19,088,802**	Use Code:	**8**	Use Type:	**TAX EXEMPTS**
Land Value:	**$10,976,690**	Tax Rate Area:	**022-007**	Zoning:	
Impr Value:	**$8,112,112**	Year Assd:	**2018**	Census Tract:	**1101.08/2**
Other Value:		Property Tax:		Price/SqFt:	
% Improved:	**42%**	Delinquent Yr:			
Exempt Amt:	**$19,088,802**	HO Exempt:	**N**		

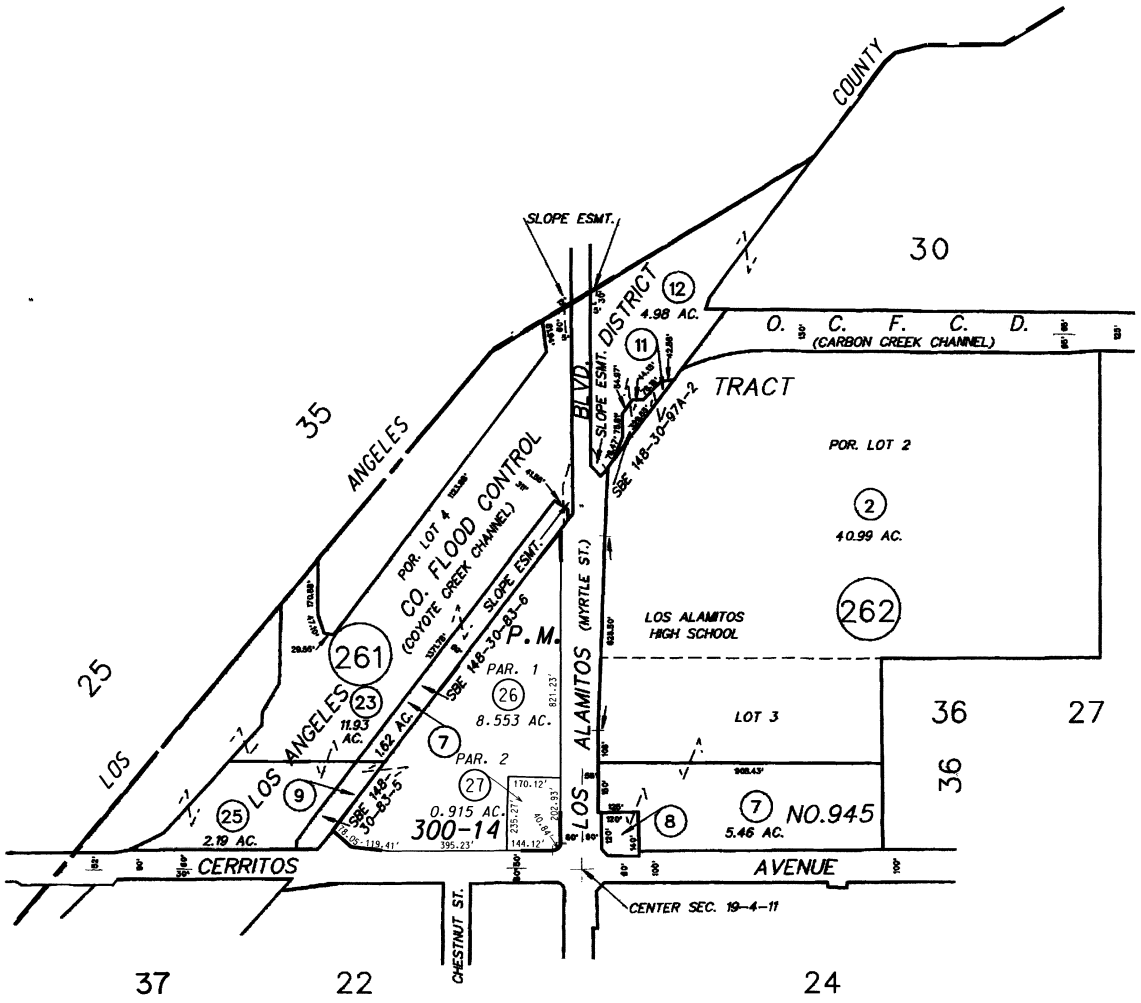
Sale History

	Sale 1	Sale 2	Sale 3	Transfer
Document Date:	**00/00/1985**			**00/00/1985**
Document Number:	**00095271**			**00095271**
Document Type:	**GRANT DEED**			
Transfer Amount:				
Seller (Grantor):				

Property Characteristics

Bedrooms:		Fireplace:		Units:	
Baths (Full):		A/C:		Stories:	
Baths (Half):		Heating:		Quality:	
Total Rooms:		Pool:		Building Class:	
Bldg/Liv Area:		Park Type:		Condition:	
Lot Acres:	**41.899**	Spaces:		Site Influence:	
Lot SqFt:	**1,825,157**	Garage SqFt:		Timber Preserve:	
Year Built:				Ag Preserve:	
Effective Year:					

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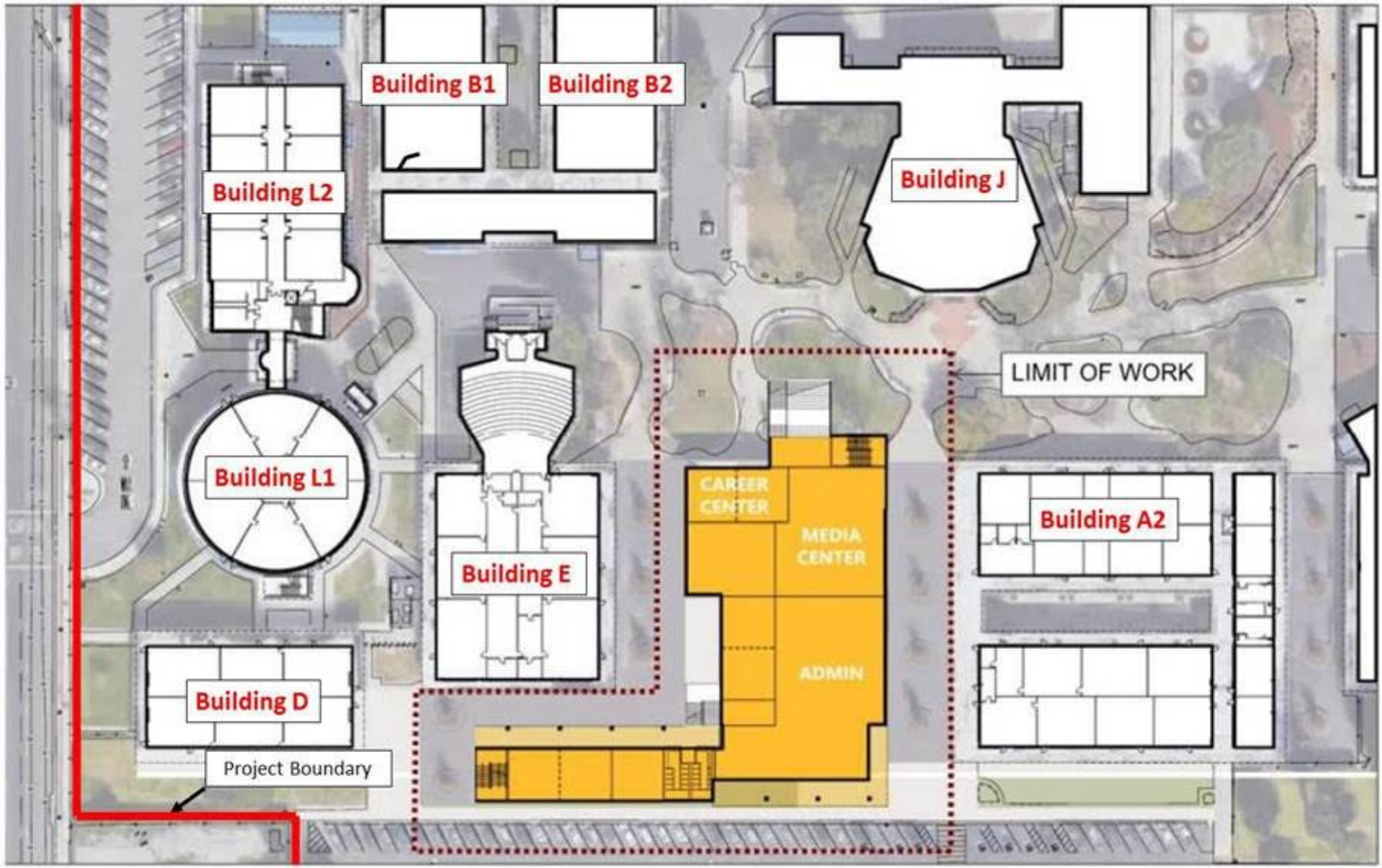
TRACT NO. 945
PARCEL MAP

M.M. 31-11,12
P.M. 300-14

MARCH 1969

NOTE – ASSESSOR'S BLOCK & PARCEL NUMBERS SHOWN IN CIRCLES

ASSESSOR'S MAP
BOOK 242 PAGE 26
COUNTY OF ORANGE



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Source: Westgroup Designs, 11/28/18

UltraSystems

Los Alamitos High School
Multistory STEM Classroom Building

Proposed Multistory Stem Classroom Building

ENVIRONMENTAL RECORD SEARCH

"The Intelligent Choice"

City Directory Research

REPORT RESULTS



Report Results for:

Megan Black
UltraSystems Environmental
16431 Scientific Way
Irvine, CA 92618
2104707859 CDA
May 23, 2019

Site Information:

Los Alamitos STEM Building
3591 West Cerritos Avenue
Los Alamitos, CA 90720

ENVIRONMENTAL RECORD SEARCH

Subject Site:

Client's Project #: **7018**
Address: **3591 West Cerritos Avenue**
City, State Zip: **Los Alamitos, CA 90720**

ERS Order #:

2104707859 CDAC

Prepared For:

Name: **Megan Black**
Company: **UltraSystems Environmental**
Address: **16431 Scientific Way**
City, State Zip: **Irvine, CA 92618**

Date:

May 23, 2019

Prepared By:

Name: **Phuc Tran**
Phone #: **(714) 669-8096 Ext. 1003**

Enclosed are the results of our:

City Directory Research

Thank you for selecting ***Environmental Record Search***!

The attached image files represent the findings of our research of the subject site and immediate adjacent sites.

Streets Researched: **(Subject) 3591 West Cerritos Ave.**
(Adjacent) 10400 Block of Los Alamitos Blvd.

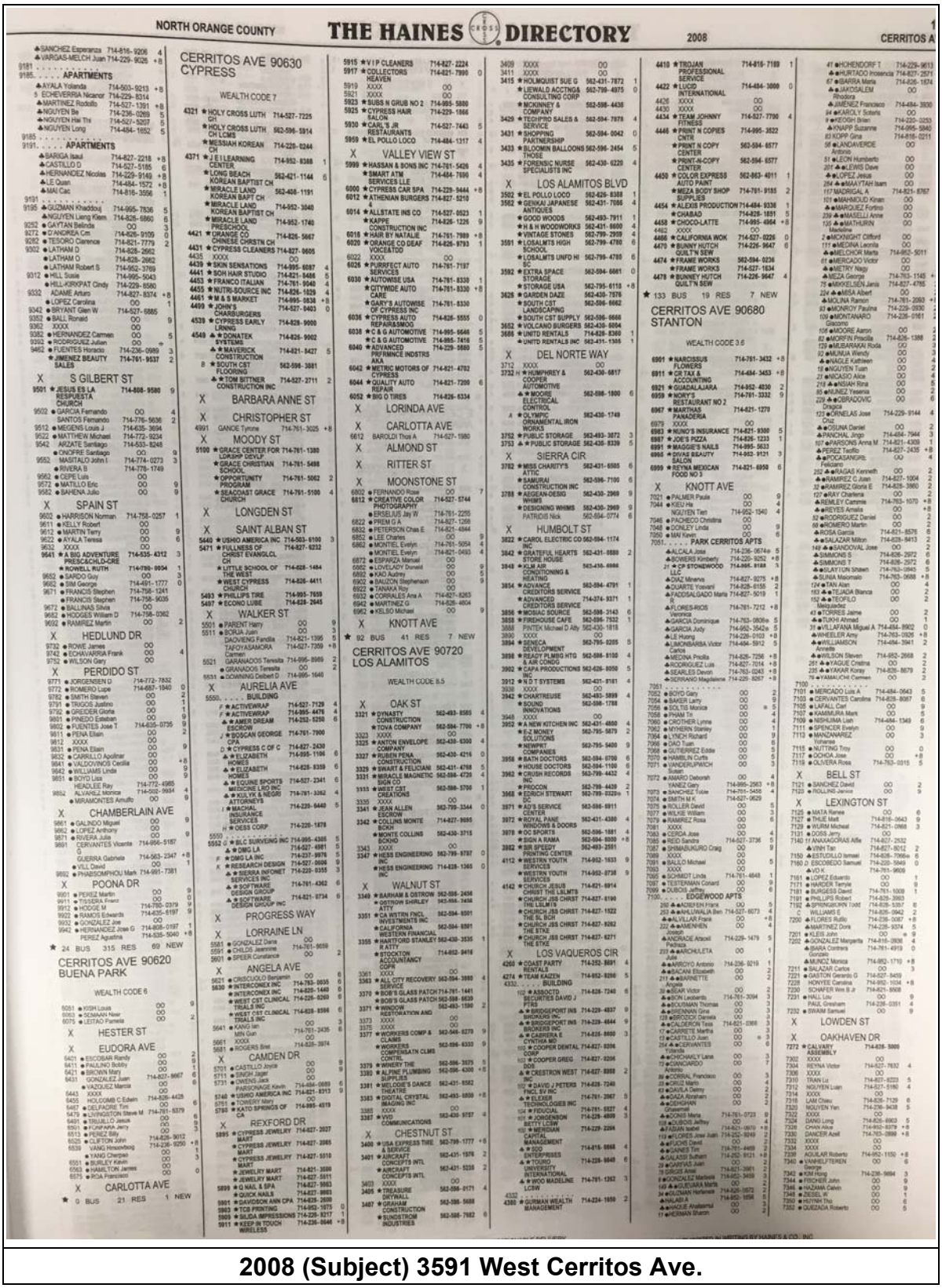
Years researched which did cover your site or adjacent sites:

2008	**2004**	**2000**	**1996**	**1989**
1986	**1981**	**1977**	**1964**	

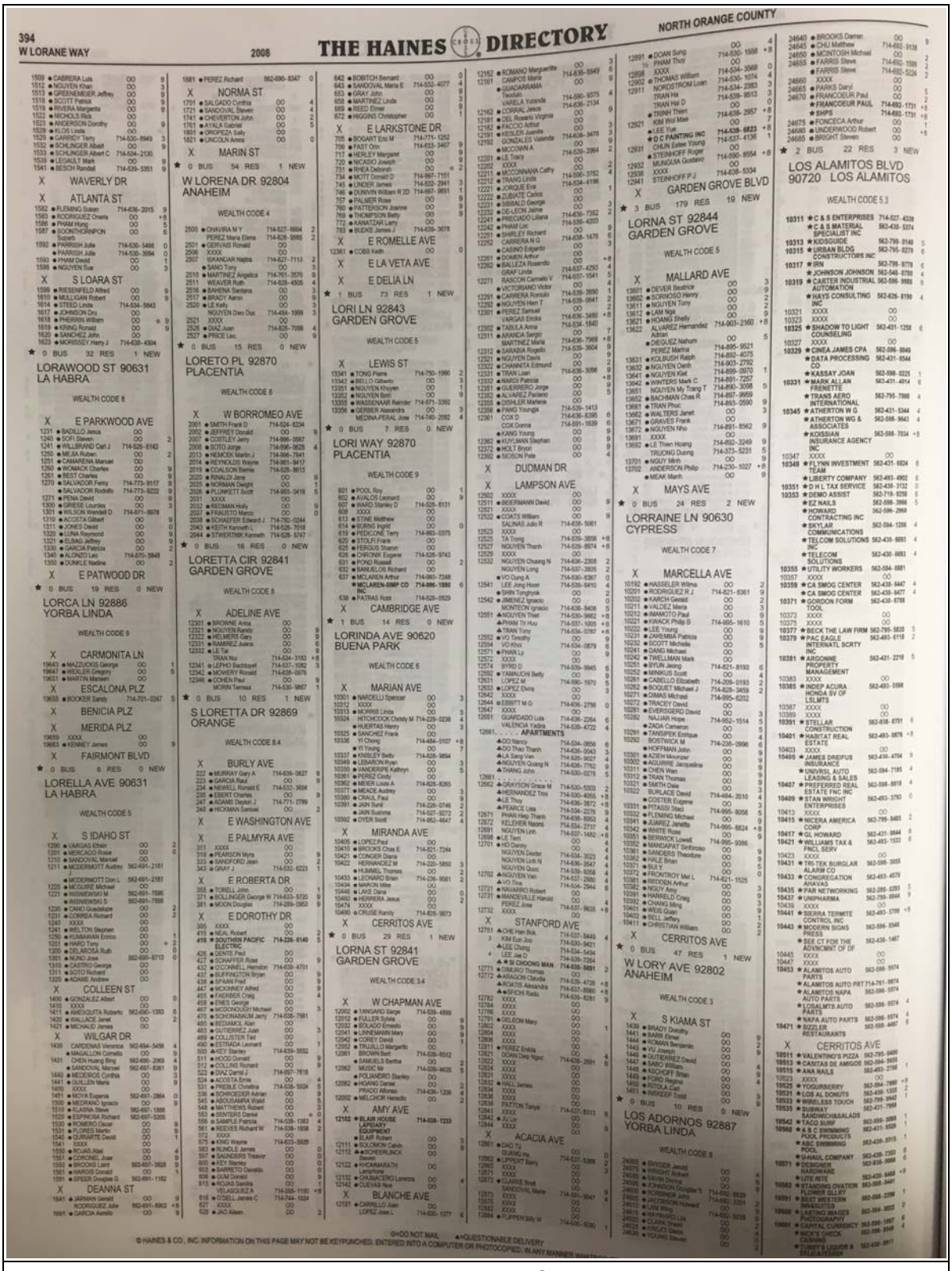
Years researched which did NOT cover your site or adjacent sites:

1964 No (Subject) 3591 West Cerritos Ave.	**1986 No (Subject) 3591 West Cerritos Ave.**	**1964 No (Adjacent) 10400 Block of Los Alamitos Blvd.**		

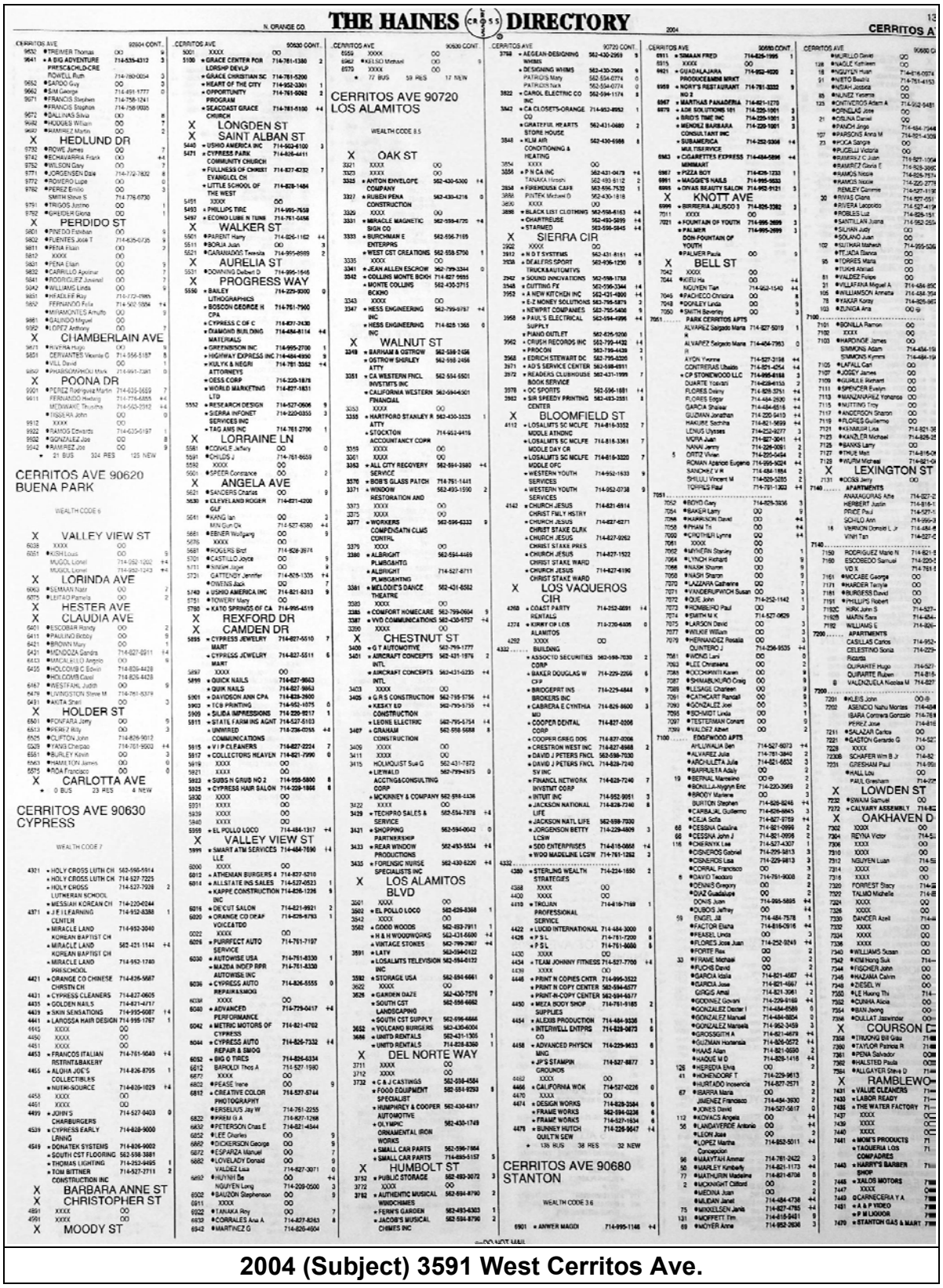
ERS's research has been limited to the information presented in the reviewed city directories only. All terms, conditions, and limitations normally associated with work contracted by **ERS** and presented or associated with the city directories are in effect at all times. This letter summary, all its information, and content have been derived from and rely upon the reviewed city directories. **ERS's** research has only been based on these books; **ERS** did not perform any type of independent investigation of any type, including as to the accuracy and/or completeness of the information derived or otherwise obtained from the secondary source or sources.



2008 (Subject) 3591 West Cerritos Ave.



2008 (Adjacent) 10400 Block of Los Alamitos Blvd.



2004 (Subject) 3591 West Cerritos Ave.

N. ORANGE CO
THE HAINES CRISS-CROSS DIRECTORY
2004
417
LOS ALAMITOS BLVD

S LORETTA DR 92869 CONT.
319 •PEARSON Chad OO 7
333 •SANFORD Jean OO 2
343 •GRAY J 714-532-6223 1
X E ROBERTA DR
355 •TORELL John OO 1
371 •BOLLINGER George W 714-633-8720 9
381 •MOON Douglas 714-289-0953 +4
X E DOROTHY DR
395 XXXX OO
427 BROWN Joanne 714-639-0944 +4
oBROWN Joanne C 714-628-0610 9
432 O'Connell Herndon 714-639-4701 +4
447 MCKINNEY Al 714-639-4218
473 SCHONABAUM Jerry 714-538-7561
500 KEY Stanley 714-639-5552
512 CLASS Shanna 714-744-8384 +4
523 DIAZ Daniel J 714-997-7616
556 SAMPLE Patricia 714-538-1383 +4
575 KING Wayne 714-633-5935
603 •BARRETO Osvaldo OO 0
606 •GUM Donald J 714-532-1484
•GUNN Chris 714-532-2788 5
615 •CRUCIL Jeff OO 9
616 •ODELL James OO 3
O'Dell James C 714-744-1024
627 •WILLIS Rose 714-633-9898
628 •JAO Aileen OO 2
642 •BOBITCH Bernard OO 0
643 REESE Gordon L 714-633-3438
653 •GAGNE Serge OO 2
658 •DEFENBAUGH Carole OO 9
669 •REED Elmer OO 9
672 •HIGGINS Christopher OO 1
X E LARKSTONE DR
705 •BOGART Eric M 714-771-1252
706 •FAST Orin 714-633-3467 +4
717 •HERLEY Margaret OO 9
720 •NICASIO Joseph OO 9
731 XXXX OO
734 •MOTT Donald D 714-997-7151
745 •LINDER James 714-532-2941 +4
746 •DUNIVIN William R 2D 714-997-5891 1
757 •PALMER Rose OO 9
760 •PATTERSON Joanne OO 9
769 •THOMPSON Betty OO 9
772 •KANATZAR Larry OO 8
783 •BUDKE James J 714-639-3678 7
X E ROMELLE AVE
12361 •COBB Keith OO 0
12362 •NEAL Robert OO 9
12371 •DENTE Paul OO 0
12372 •SCHAFFER Rose OO 3
12391 •OCONNELL Herndon OO 3
12392 •BUFFINGTON Bryan OO 3
12401 •SPAAN Fred OO 9
12402 •MCKINNEY Alfred OO 8
12421 •ENES George OO 9
12422 •FAERBER Craig OO 0
12431 •SCHONABAUM Jerry OO 3
12432 •MCDONOUGH Michael OO 3
12451 •BEDIAMOL Alan OO 9
12452 •GUTIERREZ Juan 714-538-8730 +4
12471 •ESTRADA Leonard OO 0
12472 •COLLISTER Tad OO 9
X E LA VETA AVE
12501 •CLASS Jorge OO +4
12502 •HOOD Donald OO 9
12521 •SELLERS William OO 9
12522 •DIAZ Darrell OO 3
12532 •CARR Chad OO 9
12541 •SCHROEDER Adrian OO 8
12542 •YASSIEN Dina OO 3
12551 •MATTHEWS Robert OO 8
12562 •SENTERS Daniel OO 1
12571 XXXX OO
12572 •REEVES Richard W 714-538-1858
12581 •DABNEY C 714-516-1258 +4
12592 •KING Henry OO 3
X E DELIA LN
12602 •RUNDLE James OO 9
12611 •KEY Stanley OO 3
12612 •SAUNDERS Treavor OO 0
• 0 BUS 65 RES 11 NEW

LORI LN 92843 GARDEN GROVE
WEALTH CODE 5
X LEWIS ST
13341 •TONG Pierre 714-750-1990 3
13342 •CERDA Jorge OO 7
13351 •NGUYEN Khuyen OO 1
13352 •DOLAN Garry OO 7
LE Linda 714-703-9393 1
13355 •WASSENAAR Reinder 714-971-3392
13356 •ESTEVANE Corina OO +4
MEDINA-Perales Jose 714-740-2092 +4
• 0 BUS 8 RES 2 NEW

LORI WAY 92870 PLACENTIA
WEALTH CODE 9
601 •WILSON Walter 714-996-8065 +4
602 •AVALOS Leonard OO 9
607 •WARD Stanley D 714-528-8131
608 •GUTIERREZ Mollie OO 9
613 •STINE Matthew OO 7
614 •BURNS Ingrid OO 0
619 •PEDICONE Terry 714-993-0375
620 •STOLFI Frank OO 8
625 •FERGUS Sharon OO 7
626 •CHRONIK Eugene 714-528-9743
631 •POND Russell OO 2
632 •LIEBL Robert OO 3
637 MCLAREN Arthur 714-993-7248
638 •PATRAS Rozi 714-528-0529
X CAMBRIDGE AVE
• 0 BUS 14 RES 1 NEW

LORINDA AVE 90620 BUENA PARK
WEALTH CODE 6
X MARIAN AVE
10301 •NARDELLI Spencer OO 3
SELFRIDGE Eve 714-826-5907 2
10312 •BIBB John OO +4
10313 •MORRIS Linda OO 3
10324 HITCHCOCK Christy M 714-229-0238 +4
•HUERTAS Henry OO 3

LORINDA AVE 90620 CONT.
10325 •SANCHEZ Frank OO 7
10336 •GETTINGER William OO 9
10337 •KNISLEY Donald 714-828-9894
10349 •LEBARON Ryan 714-220-2393 +4
10350 •VANDERIPE Robert OO 2
10361 •PEREZ Cindy OO 7
10362 •MEIER Louis A 714-828-8265
10377 •MEADE A 714-828-5487
10380 •CRAUL Paul OO 9
10391 •NGUYEN Henry OO 9
10392 •MAGLIONE Michael OO 2
X MIRANDA AVE
10405 •LOPEZ Paul OO 7
10410 •BROOKS Chas E 714-821-7244
10421 •CERKONEY Michael 714-995-0116
10422 HERNANDEZ J 714-220-5850 +4
HERNANDEZ M 714-220-5850 3
•HUMMEL Joelle OO 2
10433 •LEONARD Brian 714-236-9581 2
10434 •MARON Mike OO 7
10446 •LAKE Dana OO 0
10460 •HERRERA Jesus OO 2
10474 •MUSTAFFA David OO 7
10490 •CRUSE Randy 714-828-9873 7
X CERRITOS AVE
• 0 BUS 29 RES 4 NEW

LORNA ST 92841 GARDEN GROVE
WEALTH CODE 3 4
X CHAPMAN AVE
12002 •TANGARD Sarge 714-539-4899
12012 •FULLER James OO 9
12032 •BOLADO Ernesto OO 9
12041 •LINNEMANN Mary OO 9
12042 •COREY David OO 1
12052 •TRUJILLO Margarito OO 7
12061 BROWN Bert 714-539-6512
•SAMUELS Bertha OO 2
12062 •GAINEY Rhoda OO 9
12082 •HOANG Daniel OO 2
PRADO Alfonso 714-636-1206 +4
12092 •MELCHOR Heraclio 714-638-2956 +4
X AMY AVE
12102 •BLAIR E J 714-539-1444
• BLAIR HOUSE 714-539-1233
LAPIDARY EQUIPMENT
•BLAIR R R 714-539-1444
12111 •SOLOMON Calvin K 714-636-2089
12112 •SCHEERLINCK Steven OO 8
12122 •KHOMMARATH OO 7
Lamphone
12132 •CHUMACERO Lorenza OO 9
12142 •CUEVAS MacLovio 714-534-8025 +4
PINA Juan 714-530-0336 +4
X BLANCHE AVE
12151 •CARRILLO Juan OO 7
QUINONEZ Adriana 714-534-7995 +4
12152 •ROMANO Marguerite OO 3
12161 •VU Thanh OO 9
12162 •CORRAL Salvador 714-636-2134
12181 •RIVO Victoria 714-534-5849 +4
12182 •FACCIO Arthur OO 7
12191 •KESLER Juanita OO 3
12192 GONZALES Valenda 714-638-3478 3
•MCCOWN A OO 9
12201 LE Tracy 714-539-2964 +4
•NAVA Hector OO 1
12202 •LE Tracy OO 3
• NGUYEN MEN THI 714-590-9247 0
12211 •MCCONNAHA Cathy OO 2
12212 •TRANG Linda 714-590-3782 +4
12221 •JORQUE Eva 714-534-4196
12222 •ZUBIATE Carlos OO 1
12231 •SIBBLAD George OO 7
12232 •DELEON Gilbero 714-590-9589 +4
TORRES Angel Nicolas 714-539-9405 +4
12241 •PRECIADO Liliana 714-636-7352 2
12242 •PHAM Loc 714-539-4203 +4
12251 •SHIRLEY Richard OO 9
12252 •CARRERA N G 714-638-1476
12261 •DOMEN Arthur OO 7
12262 FELIX A 714-530-7428 +4
GRAF Andrea P 714-530-1733 9
GRAF Linda 714-537-4293 +4
12271 •DOAN Tung OO 3
12291 •CARRERA Romulo OO 1
12292 •NGUYEN Hien T 714-539-0641 3
12301 SEYMOUR Roger 714-638-5379 6
•WINTEMUTE Judith OO ® 9
12302 •TABULA Ferdinand OO 7
12311 •MEJIA Eliseo 714-590-2041 0
12312 •SARABIA Rogelio 714-636-4469 3
12321 •SEYMOUR William OO 9
12322 •CHANNITA Edmund OO 2
12331 •TRAN Loan 714-636-6687 +4
12332 •FOLLIS John OO 9
12351 •CORNETT P L 714-539-5228
12352 •DUONG Lich OO 9
12355 •DISHLER Marlene OO 7
12356 •PANG Youngja 714-539-1413
12361 •SUK John OO 0
12362 •KUYLMAN Stephan OO 9
12372 •HOLT Bryon OO 9
MITCHELL Kenosha 714-537-9518 +4
12373 XXXX OO
12392 ALCANAR Jose M 714-539-4573 9
•SIOSON Pete OO +4
X DUDMAN DR
X LAMPSON AVE
12502 •WAITS Teresa OO 9
12511 •BEIERMANN David OO 9
12521 XXXX OO
12522 •COATS William OO 9
SALINAS Julio R 714-638-5061 6
12523 XXXX OO
12525 XXXX OO
12527 NGUYEN Khiem 714-638-3722 +4
12529 VASQUEZ Francisco 714-537-9770 +4
12532 NGUYEN Chuong N 714-636-2308 2
•VO Dung A 714-530-6367 0
12541 LEE Jong Hoon 714-539-6410 +4
•SHIN Tonghyok OO
12542 •JIMENEZ Ignacio OO 0
12542½ SALCEDO Norma 714-638-2742 +4
12551 ..... APARTMENTS
CAO Kim Thi 714-537-1708 +4
HOANG Nguyet 714-741-0667 +4
NGUYEN Thu 714-636-5428 9
D NGUYEN Tung 714-534-8571 +4
VO Hung Phi 714-539-0239 1
12551 ......
12552 •VO Khoi 714-534-0879 +4
12571 •LE Paul OO 3
12572 XXXX OO
12574 XXXX OO
12581 XXXX OO
12591 XXXX OO

LORNA ST 92841 CONT.
12592 •YAMAUCHI Betty OO 9
12616 TRIMBLE Anne 714-636-9492
12622 PARSONS Elsie 714-636-9607
12631 GUTIERREZ Elvira 714-534-2914 +4
12633 •LOPEZ Agustin OO 3
12642 XXXX OO
12644 oEBBITT M G 714-636-2756 0
12647 JUAREZ Rosalia 714-530-7629 +4
12651 GUARDADO Luis 714-636-4068 +4
REYES Lucia 714-539-4722 +4
12661 ..... APARTMENTS
DO My Thi 714-636-6204 3
DO Thao Thanh 714-636-0043 3
LASANG Van 714-539-9027 +4
NGUYEN Quang N 714-636-7762 9
E THANG John 714-530-8165 8
12661 ......
12662 ..... APARTMENTS
7 BISKOFF Samiha T 714-638-9544 9
3 GRAYSON Grace M 714-530-5303 2
5 KRONER Cynthia 714-534-8845 +4
6 PEARCE Lisa 714-534-2276 9
PHAN T 714-530-6404 +4
RA Sung Sub 714-530-0305 3
VORDERSTRASSE Allen 714-534-7430 +4
12662 ......
12671 PHAN Hiep Thanh 714-638-8953 +4
12672 KELEHER Naomi 714-534-2737 +4
•MESSNER Robert OO 2
WARREN Barbara 714-537-4758 3
12691 HO Phuong 714-590-7986 +4
12692 oBARR Robert 714-539-2599 0
12698 •LE Terri OO +4
X STANFORD AVE
12701 •NGUYEN Hai OO 1
12702 PHAM Hien 714-537-2880 +4
12721 •NAVARRO Robert OO 7
12731 •COLLINS Glenn OO 9
12732 •CHANG John OO 9
SMITH Suzanne 714-537-2553 +4
12751 ..... APARTMENTS
CHE Han Bok 714-537-8449 +4
2 CHE Han Bok 714-537-6579 +4
6 HA Mi H 714-590-9171 9
KIM Eun Joo 714-530-9421
KIM Jong Chan 714-590-9184 0
KIM Sung Sil 714-638-3996 9
3 KO Kwang H 714-530-1238 2
2 LEE Jae D 714-539-7264
• SI CHOONG MAN 714-530-5691 2
12751 ......
12771 •DIMURO Thomas OO 7
12772 GUTIERREZ Shirley 714-590-1816 7
•SFICHI Radu OO 9
TAFUR Artimiro 714-636-8470 +4
12782 PHAM Binh Quy 714-539-8776 1
12784 XXXX OO
12786 LOGGANS Daniel 714-539-8129 +4
12791 •DELEON Frank OO 7
FARIAS Octavio 714-636-8595 3
12802 XXXX OO
12804 XXXX OO
12806 XXXX OO
12811 •NIETO Vladimir OO 9
12821 •NGO Lien OO 9
12822 XXXX OO
12824 oLYNCH Rachel 714-636-5081 7
12831 XXXX OO
12832 •HALL James OO 7
12834 XXXX OO
12836 XXXX OO
12838 XXXX OO
12841 XXXX OO
12842 •JU Lin OO 9
LY Bach 714-636-5512 3
12844 XXXX OO
X ACACIA AVE
12861 •DAO Tu OO 0
QUANG Ha 714-537-5368 2
12862 •LIPPERT Barry 714-530-1964
12865 XXXX OO
12871 XXXX OO
12872 •CLARKE Brett OO 9
12873 oCUEVAS Erasto 714-537-7283 0
12875 XXXX OO
12882 XXXX OO
12884 •FLIPPEN Billy W 714-636-5090 1
12891 •NORTON Wanda OO 7
12898B LEVITT Vera 714-638-0626 1
12902 ARTHUR Timothy 714-636-3664 6
THOMAS William 714-534-3568 0
12911 •TRAN Hai D 714-539-9513 3
12921 •PARK Nathaniel Shinki 714-638-3355 +4
12922 XXXX OO
12931 CHUN Estee Young 714-537-4136 1
•STEINHOFF Virginia OO 9
12932 XXXX OO
12936 XXXX OO
12941 STEINHOFF P J 714-638-5334
X GARDEN GROVE BLVD
• 3 BUS 187 RES 46 NEW

LORNA ST 92844 GARDEN GROVE
WEALTH CODE 5
13601 DEVER Edward A 714-897-7117
13602 •SORNOSO Henry OO 9
13611 •NGUYEN Tony OO 2
13612 •LAM Nga OO 2
13621 •HOANG Shelly OO 9
13622 •DIEGUEZ Nahum OO 3
PEREZ Marina 714-895-9521 5
13631 •KOLBUSH Ralph 714-892-4075
13632 •NGUYEN Brian OO
13641 •NGUYEN Kiet 714-899-0970 2
13642 •WINTERS Mark C 714-891-7257
13651 •TAYLOR Ernest F 714-893-3271
•TAYLOR June 714-893-3271
13652 •BACHMAN Chas R 714-897-9959
13661 •TRAN Phuc 714-893-0590 +4
13662 •WALTERS Janet M 714-638-5848 3
13671 •GRAVES Frank OO 7
13672 •NGUYEN Lan OO 9
13691 •NGUYEN Johnny OO
13692 •LE Thien Hoang 714-892-3249 0
X MALLARD AVE
13701 •NGUY Minh OO 9
13702 •MEAK Manh OO 9
THACH Sandy 714-893-4012 +4
13722 XXXX OO
13732 XXXX OO
X MAYS AVE
• 0 BUS 25 RES 2 NEW

LORRAINE LN 90630 CYPRESS
WEALTH CODE 7
10192 •HASSELER Wilma OO 2
10201 •RODRIGUEZ R J 714-821-8361 2
10202 •KARCH Gerald 714-229-9173
10211 •VALDEZ Maria OO 3
10212 •IMAMOTO Paul OO 9
10221 •EDWARDS Danny OO 2
10222 •LEE Susie 714-220-0688 +4
10231 •ZAREMBA Patricia OO 9
10232 •SCOTT Michelle OO 7
10241 •DANG Michael OO 7
10242 •TWELLMAN Mark OO 7
10251 •CHUN James H 714-761-1261 8
10252 •MINIKUS Scott OO +4
10261 •CABELLO Elizabeth 714-209-0193 2
•CABELLO Veronica 714-761-4822 +4
10262 •BOQUET Michael J 714-828-3459 2
10271 •DIMAS Michael OO 7
10272 •TRACEY David OO 8
10281 •EVERGERD Michelle 714-826-5884 1
10282 •JENKINS Reese OO 7
10291 •HOOKER Virgil OO 7
10292 •HOFFMAN John OO 9
10301 •AZIEH Mounzer OO 9
10302 •AGUIRRE Jacqueline OO 9
10311 •CHEN Wen OO 9
10312 •TRAN Thomas OO 9
10321 •SMITH Brooke 714-527-6732 0
10322 BURLACE David 714-484-3510 +4
BURLACE Jeannean 714-484-3510 +4
•COSTER Eugene OO 3
10331 •CHUDNOW Max OO 9
JOHNSON Joyce M 714-995-0447 9
10332 •FLEMING Michael OO 9
10341 •COSTER Joel OO 9
10342 •WHITE Rose OO 9
10351 •BERWICK Lowell 714-995-9386 8
10352 •MANDAPAT Sinforoso OO 9
10361 •ESKESEN Steven 714-761-2746 2
•ESKESEN Steven 714-209-0313 3
10362 •JOYCE Kenneth OO 8
10370 XXXX OO
10371 •BUI Y OO 0
10372 •FRONTROY Mel L 714-821-1525
10381 •REDDEN Arthur 714-209-0355 3
10382 •BRADLEY Mike 714-826-2136 3
10391 •SPAETH Clay 714-828-6490 9
•SPAETH Dena 714-828-6490 9
10392 •CHANG Ming OO 9
X MARCELLA AVE
10401 •WEIS Quan OO 1
10402 •BELL Jeffery OO 2
10411 •CHRISTIAN William OO 2
X CERRITOS AVE
• 0 BUS 51 RES 7 NEW

W LORY AVE 92802 ANAHEIM
WEALTH CODE 3
X S KIAMA ST
1439 •BRADY Dorothy OO 9
1441 •BARR Elmer OO 2
1444 •ROMAN Benjamin OO 3
1445 DANG Lich 714-778-0423 +4
•VU Joseph OO 8
1447 •SABO William OO 9
1448 •ASCHOFF Brian OO +4
1449 •FORD Regina OO 8
1450 •RITOLA Carl OO 3
1451 •INSKEEP Todd OO 9
• 0 BUS 10 RES 2 NEW

LOS ADORNOS 92887 YORBA LINDA
WEALTH CODE 9
24565 •GALLOWAY Kent 714-692-7562 5
•GALLOWAY Roberta 714-692-5393
24575 •WRIGHT Robert OO 9
24585 •SAVIN Donna OO 9
24595 •JOHNSON Douglas S 714-692-6629
24600 •SCRIBNER John 714-692-3201 +4
24605 •JACOBSON Howard OO 9
24610 •LAM Wing 714-692-9238 0
24615 •HAYWARD Tom 714-692-3022 +4
•HAYWARD Tom 714-692-5781 +4
24620 oCLARK Sherry L 714-694-1087 0
24625 •KREJCI Glenn OO 0
24630 •YOUNG Steven OO 2
24635 •HAMMOND Mark OO 9
24640 •BROOKS Darren OO 9
24645 •CHU Matthew 714-692-9138
24650 •MCINTOSH Michael OO 2
24655 •FARRIS Cathy 714-692-5224 +4
•FARRIS Cathy 714-692-1509 3
•FARRIS Steve 714-692-1509 3
•FARRIS Steve 714-692-5224 3
24660 •SUSDORF Meredith OO 9
24665 •MOYA Glenn OO +4
24670 •FRANCOEUR Paul OO 2
24675 •FONCECA Arthur OO 1
24680 •BOENISCH Joseph OO 3
24685 •BRIGHT Steven OO 8
24690 •MCKEOWN Kevin OO 9
• 0 BUS 28 RES 5 NEW

LOS ALAMITOS BLVD 90720 LOS ALAMITOS
WEALTH CODE 5 3
X CERRITOS AVE
10311 • C & S ENTERPRISES 714-527-4339
• C & S MATERIAL SPECIALIST INC 562-430-5374 8
10313 • D-MARK CORP 562-795-0611 5
10315 XXXX OO
10317 • JOHNSON JOHNSON 562-546-0780 +4
10319 • CARTER INDUSTRIAL AUTOMTN INC 562-430-1702 +4
• HAYS CONSULTING INC 562-626-8190 +4
• HORN SURGICAL INC 562-594-7274 +4
• POWERS SPECIALIST 562-594-9418
10321 • CMS ENGINEERING INC 562-430-9920 +4
• SOUTHRN CAL CONCRETE PUMPING 562-493-7118 8

LOS ALAMITOS BLVD 90720 CONT.
10323 • EXECUTIVE MOVING SERVICES 562-594-8417 +4
10325 XXXX OO
10327 XXXX OO
10329 • CINEA JAMES CPA 562-596-0049
• DATA PROCESSING CO 562-431-6544
KASSAY Joan 562-598-0025
10331 • TRADTRONIX CORPORATION 562-594-4359 2
• TRANS AERO INTERNATIONAL 562-795-7000 +4
10335 XXXX OO
10345 ATHERTON W G 562-598-9643
• ATHERTON W G 562-431-5344 +4
10347 • POWERCELL COMMUNICATIONS 562-594-8484 0
10349 XXXX OO
10351 • D H L TAX SERVICE 562-430-3132 0
10353 • HOWARD CONTRACTING INC 562-596-2969 8
• SKYLAR COMMUNICATIONS 562-594-1206 +4
• TELCOM SOLUTIONS INC 562-430-6693 +4
• TELECOM SOLUTIONS 562-430-6693 +4
10355 • UTILITY WORKERS 562-594-8881
10357 XXXX OO
10359 • CA SMOG CENTER 562-430-6447 +4
• CA SMOG CENTER 562-430-6477 +4
10371 • GORDON FORM TOOL 562-430-6788
10373 XXXX OO
10375 XXXX OO
10377 • H J H J INC 562-936-0077 +4
• INSTRON CORPORATION 562-596-5571
10379 • PAC EAGLE INTL SECURITY INC 562-493-6110 2
10381 • BIG WEST RESTORATION 562-799-8241 1
10383 XXXX OO
10385 • INDEP ACURA HONDA SERVICE 562-493-5598
10387 XXXX OO
10389 XXXX OO
10391 • OMNI TECHNICS 562-594-4533 1
10403 XXXX OO
10405 XXXX OO
10407 • PREFERRED REAL ESTATE FNC INC 562-598-8818 +4
10409 • WRIGHT STAN ENTERPRISES 562-493-3793 0
10413 XXXX OO
10415 HOWARD G L 562-431-9844 8
• NICERA AMERICA CORP 562-799-8485 2
10417 XXXX OO
10421 • WILLIAMS TAX&FINANCIAL 562-493-1533
10423 XXXX OO
10431 • TRI-TEK BURGLAR ALARM CO 562-598-3055
10433 • CONGREGATION AHAVAS 562-493-4570
10435 • FOOTE JANIS E PHD 562-594-8824
• PELTO VONDA L PHD MFCC 562-493-3187 1
10437 • UNIPHARMA 562-799-8844 9
10439 • FLUOROLOGIC LLC 562-626-9111 1
10441 XXXX OO
10443 • MODERN SIGNS PRESS 562-596-6548
• S E E CENTER FOR DEAF CHILDREN 562-430-1467 7
10445 XXXX OO
10447 XXXX OO
10453 • ALAMITOS AUTO PRT 714-761-0874
10455 XXXX OO
10471 XXXX OO
10477 XXXX OO
10492 XXXX OO
10511 • VALENTINO'S PIZZA 562-795-0400
10513 • CASITAS DE AMIGOS 562-594-5655
10515 • ANA NAILS 562-493-2766 1
10523 • FASHIONCUT 562-430-3293 +4
10525 • MINI MARKET & TOBACCO 562-430-0822 +4
10531 • LOS AL DONUTS 562-430-1335 2
10533 • WIRELESS TOUCH 562-799-9942 1
10535 • SUBWAY SANDWICH&SALADS 562-431-7998
10542 • TACO SURF 562-598-3088 1
10560 • ABC SWIMMING POOL 562-430-8515 1
10571 XXXX OO
10581 XXXX OO
10582 • STANDING OVATION FLOWER GLLRY 562-598-0441
10591 • BEST WESTERN INN&SUITES 562-598-2299 1
10600 • LASTING IMAGES PHOTOGRAPHY 562-594-5022 0
10601 • NICK'S MAIL & SHIPPING 562-596-8849 +4
• TUBBY'S LIQUOR & DELICATESSEN 562-430-0911
10602 • GRACE TOTAL BEAUTY SALON 562-799-2994 1
10604 XXXX OO
10608 • GEMINI FOREST PRODUCTS 562-594-8948 9
X SAUSALITO ST
10612 • SIXTY MINUTE SPCTCL 562-493-3569
• SIXTY MINUTE SPECTACLES 714-892-5822
10614 • LOSALMTS EYECARE OPTOMETRY 562-430-0266 0
• NELSON RICK OD 562-430-0266 0
10621 XXXX OO
10631 • SHENANDOAH AT THE ARBOR 562-431-1990 +4
10641 •LECOMPTE Raymond OO 0
• RAGS TO RICHES CONSIGNMENT 562-598-4422 9
10650 XXXX OO
X SERPENTINE DR
10651 • CATNIP AND BONZ 562-430-3524 0
• FLAGS WITH A FLAIR 562-430-3524 0
10653 XXXX OO
10655 XXXX OO
10660 • A TIME FOR ELEGANCE 562-431-8461 2
10661 • ABC SWIMMING POOLS&SUPPLIES 714-995-8211 0
• TAYLOR YOUR MEMORIES 562-493-8788 +4
10664 oDEUX Amies I 562-799-1032
10666 • PRINT MASTER LOS ALAMITOS 562-493-4547
• PRINTMASTERS 562-493-4547
10670 • CINNAMON STICK 562-594-4610 +4
10671 • ANDERSON CHIRO CNTR 562-594-6538
• ANDERSON CHIRO CNTR 714-952-0673
• ANDERSON MITCHELL S 562-594-6538
• ANDERSON RICHARD T 562-594-6538
• SCHULTZ DANA R 562-594-6538 7

LOS ALAMITOS BLVD 90720 CONT.
10674 XXXX OO
10676 • HUNTGTN BEACH MAIDS 562-594-9991 0
• SEAL BEACH HOUSE CLEANING CO 562-594-9991 0
• STAINED GLASS OVRLY DSGN STDO 562-598-4114 +4
10678 XXXX OO
10680 • ALEMSHAH & ASSOCIATES INC 562-594-5010 6
• KITCHEN & BATH CENTER 562-594-5010 6
10681 XXXX OO
10682 • ALAMITOS PHYS THRPY 562-795-5295 6
• ALAMITOS PHYSICAL THERAPY ASC 714-761-1491 8
10690 • SCRAPBOOKS DEPOT 562-430-6806 1
10691 • GURMAN GROUP 562-493-6411 1
• P R I 562-795-6939 1
• PHARMACOLOGY RESEARCH INST 562-795-6955 9
10692 • SANGO SUSHI RESTAURANT 562-594-4456
10696 • BONJOUR BAGEL 562-795-5862 6
10698 XXXX OO
X CATALINA ST
10700 • GOT SKIN 562-596-1100 +4
• WHITE LION THE 562-596-5203
10701 • MILES INVESTIGATIONS 562-596-3440 +4
10702 • TORIA 562-799-1722 +4
10704 • FIRST AMERICAN TEAM REALTY 562-594-7101 2
10708 • AFFORDABLE PORTABLES 562-795-7714 +4
• CINGULAR WIRELESS STORE 562-795-7714 2
10711 XXXX OO
10731 XXXX OO
10741 • COLDWELL BKR ALLIANCE REALTY 562-594-9110 1
10742 • GANAHL LUMBER COMPANY 562-346-2100 +4
10761 • KNEPP KRAFT CONSTRUCTION CO 562-626-8300 1
10771 • VARON SAM S DR 562-430-7515
10772 • LAM'S MARKET LIQUOR 562-431-6365 +4
10773 • TODD DEVELOPMENT 562-430-9419
10774 • PRESTIGE CLEANERS 562-594-4558
10775 XXXX OO
10776 XXXX OO
10779 XXXX OO
10781 • FYI RESEARCH & MARKETING 562-493-6985 9
• PINNACLE FINANCIAL GROUP 562-594-7800 +4
• PRIMARY LENDING INC 562-280-0451 +4
• SIMPLY THE PITS 562-493-5181 0
• SOS OFFICE SERVICES 562-493-5181 9
10782 XXXX OO
10783 XXXX OO
10791 • COLTON MARCY 562-493-0820 6
• HAIRABEDIAN CARY 562-795-5777 +4
HAWKINS Kenneth 562-493-0638
• REMAX CLG PARK RLTY 562-594-6753
• REMAX COLLEGE PARK REALTY 714-891-1702
REMAX Gorman Brian 562-493-3800 7
SHUTTS Bob -Rl Est Agt- 714-827-2100 2
SHUTTS Root W 562-430-8641 2
10792 • MCNALLY ELECTRIC 714-761-0692
10794 XXXX OO
10800 XXXX OO
10802 • CAL STATE GLASS&MIRROR CO 562-430-7596
10804 • ALAMITOS ELECTRONIC 562-431-0047
• ALAMITOS LOCK SERVICE 562-431-0047
• BAUER LOCK&SAFE 562-431-4241
• LOSALMTS LOCK SERVICE INC 562-431-0047
• SEAL BCH LOCK&SAFE 562-431-4241
10805 • LOS ALAMITOS LOCK SERV 714-995-3000 0
10806 • SOCKETT JOE&SONS 562-430-0127
10808 • DIAL FIANANCIAL & TAX SERVICES 562-799-9995 +4
• DIAL MORTGAGE COMPANY 562-799-9995 +4
10810 • ABELS MAGIC TROPHY 562-430-1008
• LOSALMTS MAGC TRPHY 562-431-4122
• MAGIC TROPHIES 562-431-4122
10812 • AMMCO CARPET 562-596-6993 0
• AMMCO MAINTENANCE 562-596-6993 0
• AMMCO VACUUM 562-596-2460 1
10821 • PAUL'S PLACE 562-596-1411
10824 • HAIR BIZ 562-431-0121
• SHEAR MADNESS 562-596-0440 +4
10825 • FOR PETS SAKE 562-493-5852
10831 • MATTRESS CTY 562-430-2684 8
10832 • VCA ROSSMOOR-ELDORADO ANML HSP 562-598-8621 2
10842 XXXX OO
10845 • CLUB EXOTIC TANS 562-430-8267 1
10847 • AMECI PIZZA 562-594-7277 9
10850 XXXX OO
10851 • DONUT HOUSE 562-493-1897
10852 XXXX OO
X FLORISTA ST
10861 • SUNRISE GLSS&MIRROR 714-761-5601
10877 XXXX OO
10879 • TOBACCO INN 562-431-6560 2
10881 • HUDSON & MCAFEE 562-431-0007
10883 • GOLDEN PANDA 562-493-2685 6
10885 • NATL HAPKIDO CENTER 562-430-5263 9
10887 XXXX OO
10889 XXXX OO
10891 • FIRST TICKET TRAVEL 562-493-3651
10893 oTERIYAKI Ichiban 562-430-8639 9
10895 • MALEYNA'S 562-493-4494
10897 • BORGE RODGER INS AG 562-493-2546 5
10899 • ESTATE STORE THE 562-430-6819
10900 ..... LOS ALAMITOS PLAZA
• A CLOTHES ENCOUNTER 562-493-0585 9
• ALL HOME SERVICES 562-430-0092 0
• ALLSTATE INS 562-430-3793 9
• ANNETTE'S HAIR DESIGN 562-598-4774 2
• ASHER TRAVEL SERVICE 562-594-9409 1
• BEACH VISION CNTR AN OPTOMETRY 562-431-1301 1
• BEACH VISION CT OPTOMETRY CORP 714-840-9877 3
• C Y I 562-596-9694 9

2004 (Adjacent) 10400 Block of Los Alamitos Blvd.

122
CERRITOS AV E
N ORANGE CO
THE HAINES CRISS-CROSS DIRECTORY
2000

CERRITOS AV E 92806 CONT.
• H D COMPUTER PRODCTS 714-490-0207 2
• SONIC COMPUTER 714-956-3025 9
• SPRINKELASSOCIAT-ES 714-491-9320
• WESTERN ROOFING SYSTEMS 714-779-7740 9
2051 • HELLIER 714-956-2274 +0
• TECHREF INC 714-533-2105 8
• WHIZZER MOTORBIKE CO 714-563-9982 9
2137 XXXX OO
2201 • NEVILLE CHEMICAL CO 714-535-7296
2220 • WINDOW ACCESSORIES UNLIMITED 714-937-1514 8
• 3 DAY BLINDS 714-634-4600 +0
2400 • VISTA UNTD TELECOMMUNICATION-S 714-938-3300 3
2410 XXXX OO
2530 • ELITE RETAIL SERVICES INC 714-939-9052 +0
• GOLDEN ST SALES AND MRKTG CO 714-385-1990 +0
• NCTS 714-456-1710 +0
• NEW CFONCEPT TOTAL SALES 714-456-1710 +0
2532 • PENNY AND GILES DRIVES TCHNLGY 714-712-7911 +0
2550 XXXX OO
2570 • AMER MICROWAVE TECHNOLOGY INC 714-456-0777 8
• AMER MICROWAVE TECHNOLOGY INC 714-456-9700 9
• 58 BUS 14 RES 14 NEW

CERRITOS AV E 90720 LOS ALAMITOS
WEALTH CODE 9 0

3321 • STEVENSON&PAINE 562-598-7944 7
3323 XXXX OO
3325 • LOSALMTS MOWER&SAW 562-596-0368
• LOSALMTS MOWER&SAW 562-431-1223 6
3327 • PENA RUBEN CONSTR 562-430-4216 3
3329 XXXX OO
3331 • CREATIVE DEZIGN 562-493-5949
3333 • BURCHMAN E ENTERPRS 562-596-7169
3335 • H P FOOD SERV SPLY 562-430-4566 6
3341 • BILL'S LAWN SERVICE 562-493-3241 7
• BOB'S LAWN SERVICE 562-431-7370 7
• CA ROUTE SALES 562-594-7400 7
• MOE'S LAWN SERVICE 562-430-9629 7
3342 • COLLINS MONTE BACKHOE&EQUIP 562-430-3715
• COLLINS MONTE BCKH 714-827-9695
• MON BAR 562-431-5887 4
• MONTE COLLINS BCKHO 562-430-3715
3343 XXXX OO
3347 • A CORY THIES OD 562-430-7505
• MORRISH S C OD INC 562-430-7505
• THIES A CORY OD 562-430-7505
3349 • BARHAM&OSTROW ATTY 562-598-2456
• OSTROW SHIRLEY ATTY 562-598-2456
3351 • CA WESTRN FNCL CORP 562-594-6501
• PREFERRED FINANCIAL CONSULTANT 562-598-4818 5
3355 • STOCKTN ACCOUNTANCY CORP 714-952-9416
• STOCKTON ACCOUNTANCY CORP 562-493-3591
• STOCKTON LOUIS CPA 562-493-3591
3361 XXXX OO
3363 • OWEN W A&ASSOCIATES 562-493-3791 5
• WRIGHT STAN ENTPRS 562-493-3793 5
3370 • BOBS GLASS PATCH 714-761-1441
• BOBS GLASS PATCH 562-598-6639
3371 • PROTRANS LOGISTICS&AGENCY INC 562-598-5575 9
3373 • KURTHY CHIROPRACTIC 562-594-9595
• KURTHY M G DR 562-594-9595
3375 • KOSTRENICH ROBERT ATTY 562-795-7000 7
3377 • WORKERS COMPENSATN CLMS CONTRL 562-596-6333 9
3379 • TELSTAR BUSNS TELE 562-493-2581 5
3380 • ALBRIGHT PLMBG&HTG 562-594-4469
• ALBRIGHT PLMBG&HTNG 714-527-8711
3381 • MELODIES DANCE THTR 562-431-8582
3383 XXXX OO
3385 • D A S INTERIORS 562-430-5787 9
• FIVE STAR CONSTRUCTION 562-430-5787 9
3387 • HESS ENGINEERING 562-799-9787 5
3400 • G T AUTOMOTIVE 562-799-1777 4
• SWINGLE Thomas OO 9
3403 • FEATHERSTONE 562-799-9494 9
3405 XXXX OO
3407 • BELL ROBT P&ASSOCIATES 562-799-1620 8
• GRAHAM CONSTRUCTION 562-598-5668 8
3409 • COMMERCL COLLECTIONS BY HAMMER 562-596-9144 9
• HAMMER COLLECTIONS 562-596-1944 9
3411 • SECURITY LOGISTICS INC 562-799-8808 9
3415 HOLMQUIST Sue G 562-431-7872 3
• MCKINNEY&COMPANY 562-598-4436 2
3429 • GEORGE'S CAR DELIVERY 562-594-8175 9
3431 XXXX OO
3433 • NORM JOHNSON ASSOC 562-493-2431
• TRANSATL TRADING 562-493-0351 4
3435 • DATA SOFT MNG&DP 562-430-0048 5
• DATATEK CONVERSION 562-430-4127 5
3502 XXXX OO
3542 XXXX OO
3562 • BRIGGEMAN George OO 9
3591 • L A T V 562-594-0122
• LOSALMTS SC HI 562-799-4796 6
• LOSALMTS SC HI OFC 562-799-4780 6
• LOSALMTS SC ORANGE CO HI SC 562-431-8198 4

CERRITOS AV E 90720 CONT.
• LOSALMTS TELEVISION INC 562-594-0122
• ORANGE COUNTY HIGH SCHOOL ARTS 562-596-1435
3592 • LOS AL U STORE&LOCK 562-594-6661
3622 • FORNEY John OO 9
3626 • GARDEN DAZE 562-430-7576 7
• SOUTH CST LANDSCAPING 562-596-6662 1
• SOUTH CST SUPPLY 562-596-6666
3652 • VOLCANO BURGERS 562-430-6204
3686 • KNIPPERS RENTAL CENTER 714-828-6350 7
• KNIPPERS RENTAL CENTER 562-431-1305 7
• MOBLEY W H 562-431-2588 6
• RYDER TRUCK RENTAL ONE WAY INC 562-430-6277 7
3712 • SONA&HOLLEN FOODS 562-431-1379
3732 • A AND E AUTOMOTIVE 562-795-5650 5
• C&J CASTINGS 562-598-4584
• FOOD EQUIPMENT SPECIALIST 562-594-9293 8
• HUMPHREY&COOPER 562-430-6817
• OLYMPIC ORNAMENTAL IRON WORKS 562-430-1749
• SMALL CAR PARTS 714-895-5157 5
• SMALL CAR PARTS 562-596-7664
• 356 LTD 562-430-4864
3752 XXXX OO
3782 • BALFOUR 562-596-1301 6
• MICHAEL FRANKLIN 562-431-4530 4
• MULLIGAN Mark OO 9
3788 • AEGEAN DESIGNING WHIMS 562-430-2969 9
• DESIGNING WHIMS 562-430-2969 9
• STEPHENS Leonard OO 9
3822 • CAROL ELECTRIC CO INC 562-594-1174 8
3842 • CA CLOSET COMPANY 562-493-5579
• CALIFORNIA CLOSETS 714-952-8952 +0
3848 • K L M AIR CONDITIONING&HEATI-NG 562-430-6986 8
3854 • ADVANCE CREDITRS SV 562-594-4791
• ADVANCED CREDITORS SERVICE 714-374-6371 7
3856 • MARUHACHI U S A INC 562-598-9691
• PINE ACUPUNCTURE 562-596-9908 9
3858 • CINDYS CORNER CAFE 562-596-7532
3888 PINTEK Michael D 562-430-1818
3890 XXXX OO
3898 • ROBERTS COMPANY 562-799-3600 6
3902 • ALL CITY TERMITE CO 562-594-6632 4
3912 XXXX OO
3938 • DEALERS SPORT TRUCK&AUTOMTVS 562-936-1230 8
3942 • SOUND INNOVATIONS 562-598-1788
3948 XXXX OO
3952 • NEWPORT AUTO EXCHANGE 562-795-5400 9
3958 • PIANO OUTLET 714-527-0900 8
3962 XXXX OO
3968 • BIG J TRADING CO INC 562-594-8755 9
• ILET AUTOFASHION 562-594-8755 9
3971 • ADS SERVICE CENTER 562-598-6911 2
• MINNICK R OO 9
3972 • READERS CLUBHOUSE BOOK SERVICE 562-431-1999 7
3978 • TOTAL CONCEPT SERVICE 562-598-6914 9
3982 • SIR SPEEDY PRINTING CENTER 562-493-2551 8
4112 • LOSALTMS SC MIDDLE MCAULIFFE 714-816-3320 7
• LOSALTMS SC MIDDLE MCAULIFFE 714-816-3352 7
• LOSALTMS SC MIDDLE MCAULIFFE 714-816-3361 7
• WESTERN YOUTH SERVICES 714-952-1633 9
• WESTERN YOUTH SERVICES 714-952-0738 9
4142 • CHURCH JESUS CHRIST FMLY HSTRY 714-821-6914
• CHURCH JESUS CHRIST STAKE CLRK 714-827-6271
• CHURCH JESUS CHRIST STAKE PRES 714-827-9262
• CHURCH JESUS CHRIST STAKE WARD 714-827-1522
• CHURCH JESUS CHRIST STAKE WARD 714-827-6190
4260 XXXX OO
4274 • KIRBY OF LOS ALAMITOS 714-220-6405 +0
4292 XXXX OO
4332 • BAKER DOUGLAS W CFP 714-229-2266 6
• BRIDGEPRT INS BROKERS INC 714-229-4844 9
• CONTL BUSINESS SERV GENL OFC 714-952-4588
• COOPER DENTAL CORP 714-827-0206
• COOPER GREG DDS 714-827-0206
• DAVID J PETERS FNCL 562-598-7030 3
• DAVID J PETERS FNCL SV INC 714-828-7240
• FINANCL NETWORK INVST CORP 562-598-7030 7
• FINANCL NETWORK INVSTMT CORP 714-828-7240 7
• JACKSON NATIONAL LIFE 714-828-7240 8
• JACKSON NATL LIFE 562-598-7030 3
• LEE Henrietta OO 9
• SHERIKON 714-828-5344
• SHERIKON INC 562-531-1739 5
• TRACK 3D INC 714-761-5353 4
4380 • CRESTRON WEST INC 714-827-8988 7
• LEE Henrietta OO 9
4388 • CLUB CONNECTIONS 714-220-9671 9
• R M S MERCHANDISING 714-527-6595 9
• SIERRA PAC MRKTG 714-821-3100 6
4400 XXXX OO
4410 XXXX OO
4422 • LEE Henrietta OO 9
• LUCID INTERNATIONAL 714-484-3000 +0
4426 • P S L 714-761-7200 8
• P S L 714-761-8080 8
4430 XXXX OO
4431 • LEE Henrietta OO 9
4434 XXXX OO
4439 • LE HYDRANT GROOMING SALON 714-761-5665 8
4446 • PRINT N COPIES CNTR 714-995-3522
• PRINT N COPY CENTER 562-594-6577 3
4450 • COLOR EXPRESS AUTO 714-761-9185 1
4454 • INTERWELL ENTPRS CO 714-828-0873 6
• J-WELLS INTL BOUTIQUE 714-484-9336 9
• JOINWELL CO 714-828-0256 5

CERRITOS AV E 90720 CONT.
4458 • ADVANCED PHYSCN MNG 714-827-4822 6
• ADVANCED PHYSCN MNG 714-229-9633 6
4462 XXXX OO
4466 • CALIFORNIA WOK 714-527-0226 +0
4470 • CORNERSTONE QLTS&CNTRY CMFRTS 714-226-9647 +0
4474 • DESIGN WORKS 714-828-3584 6
• FRAME WORKS 714-527-1634 6
• FRAME WORKS 562-594-0236 6
4478 XXXX OO
• 148 BUS 35 RES 5 NEW

CERRITOS AV W 92805 ANAHEIM

100 • TASK TM OF ADVCTS FR SPCL KDS 714-533-8275 9
• TEAM OF ADVOCATES 714-533-8275
X ANAHEIM BLVD S
110 • MICRO MADNESS INC 714-535-4172 1
118 XXXX OO
120 XXXX OO
133 • ANAHEIM PHYS THRPY&SPRTS MED 714-533-2442 8
143 • DELTA ONE SOFTWARE 714-776-3897 +0
150 • DAYLE MCINTOSH CT FR THE DSBLD 714-772-8285
• MCINTOSH CT DISABLD 714-772-8285
157 • COMPUTER SPECIALISTS INC 714-991-7770 8
• PERFECT PORSCHE 714-776-5751 9
159 • ARA RECORDS INTERNATIONALS 714-774-4206 8
163 • CASABLANCA BRIDAL 714-758-6888 8
167 • SOUTHLAND CLAIMS SERVICE 714-772-1933 8
175 XXXX OO
190 • VALEN TRANSPORTATION 714-956-2252 7
194 • AFFORDABLE AIR CARE 714-999-0069 +0
• AFFORDABLE CARPET CARE 714-741-7050 +0
• CARPET TECH 714-520-4700 +0
• MIRACLEAN 714-518-5999 8
196 XXXX OO
198 • PREMIER ENVIRONMENT INC 714-490-5700 9
207 XXXX OO
209 • BLUE SKY CAFE 714-491-7275 +0
210 • DAYLE MCINTOSH CT FOR DISABLED 714-956-7150 7
217 XXXX OO
221 • GREEN VALLEY DEVELOPMENT 714-999-6552 5
224 XXXX OO
225 XXXX OO
228 XXXX OO
232 • COMMTECH CORPORATION 714-991-4100 8
233 • PROTECTIVE SERVICES OF SO CA 714-774-5007 9
236 XXXX OO
244 • PSM-INGRAM PAPER 714-687-5904 8
245 • CALIFORNIA HOLIDAYS 714-776-1735 +0
248 • RYAN PRESS 714-774-3420 +0
251 XXXX OO
254 • LEVICA BUILDERS 714-808-8534 +0
255 XXXX OO
250 • CONTRACTORS CONTROL 714-533-4700 8
• DONLE FRAMING 714-533-1545 8
263 XXXX OO
264 XXXX OO
267 XXXX OO
271 • K&V MANAGEMENT SERVICES 714-284-0177 8
275 XXXX OO
279 XXXX OO
287 XXXX OO
299 • DYNAMIC SCIENCE 714-520-9471
300 XXXX OO
305 • MUSIC COMMUNITY CENTER 714-781-5979 8
309 XXXX OO
313 XXXX OO
317 • ANAHEIM MOOSE LODGE 1853 714-776-9818 9
• ANAHEIM MOOSE 1853 714-776-1561 1
325 • ADOLPHUS INDUSTRIES INC 714-776-5494 7
• BLEIM RAY MARINE SERVICE 714-491-7536 7
• ELITE PROCESSING SERVERS OF CA 714-776-5573 7
329 • INNOVATIVE TOOL SALES 714-780-0730 8
333 XXXX OO
337 • BRIO SYSTEMS 714-774-2906 +0
• INTEGRATED MARKETING SERVICES 714-774-0431 +0
350 XXXX OO
353 XXXX OO
354 XXXX OO
355 • OP METRO PATROL 714-563-0727 +0
382 • TOUR CONNECTION&CHART-ERS 714-517-6655 6
384 XXXX OO
390 XXXX OO
392 XXXX OO

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WEALTH CODE 5 8

X WEST S
1125 XXXX OO
1150 ...... BUILDING
• AUDIO VSL HDQ CRP DSNYLND HTL 714-991-6549 1
• DISNEY CHARCTR MLS 714-956-6400
• DISNEYLAND HOTEL 714-956-6425 7
• DISNEYLAND HTL OPERATOR 714-778-6600
• DISNEYLAND HTL REST 714-956-6406 1
• DISNEYLAND HTL REST 714-956-6404 1
• DISNEYLAND HTL REST 714-956-6401 1
• DISNEYLAND HTL REST 714-956-6402 1
• DISNEYLAND HTL REST 714-956-6403 1
• DISNEYLAND HTL WEDDING SVCS 714-956-6527 7
• GOOFYS KITCHEN 714-956-6755 7
• GRANVILLES STK HS DSNYLND HTL 714-956-6755 7
• NEON CACTUS 714-778-6600 5
• SHIPYARD INN 714-956-6755 7
• SHIPYARD INN HTL 714-778-6600

CERRITOS AV W 92802 CONT.
• STROMBOLIS RISTORANTE 714-956-6403 7
• THOLA PRODUCTIONS 714-774-6832
• VIDEO ADVENTURE 714-778-1166
1150 ....
X WALNUT S
1200 XXXX OO
1201 HAYES P 714-774-3312 9
LEE Dae H 714-778-8456 3
ROUSE J 714-772-6773 1
1214 NAVARRO Jose L 714-491-7506 +0
ORTIZ Ela 714-778-0912 9
QUIJADA Reynold 714-635-6809 +0
RODARTE R 714-635-7791 9
1220 OSORIO Juan S 714-533-7289 +0
• VERGARA Edward OO 9
1221 ROBILLARD Louis B 714-956-1749
SEUNG Kang 714-991-4196 +0
WEBER Donald 714-758-0585 7
WEBER Kathy 714-758-0585 7
1226 BARRIOS Lorenzo 714-758-9925 8
• STRICKLIN Richard OO 9
1241 CHEY Sun J 714-956-3570 9
1251 HIGGINS Keith 714-758-0013 9
MOTA Karyanji 714-956-0405 +0
1271 BARNES Sandra 714-956-0060 +0
DUBOIS Paul 714-780-0206 +0
1291 DOAN Dat 714-776-3348 9
MARTIN Robt B 714-635-0568
1300 • TRAN Hieu OO 9
1306 LOPEZ Geronima O 714-491-7503 +0
• SUTTER Donald OO 9
1311 XXXX OO
1312 ACOFF Amos OO 9
LOPEZ Graciela 714-687-0934 9
• WALKER John OO 9
1318 • LAMOTHE Andrew OO 9
1321 KANOW Jerry 714-774-3150
MARCUS Alan 714-772-4210 +0
MARCUS Maxine 714-772-4210 +0
PARK Hyung K 714-772-4795 +0
1324 • DEGENHARDT William OO 9
MAGANA Guadalupe 714-774-9159 8
PACHECO Armando 714-817-8569 +0
1330 ALONSO Esther M 714-491-7186 2
• WONG Margie OO 9
1331 XXXX OO
1334 LAGUNA Jose H 714-956-0061 +0
1341 HENRY M E 714-774-3509
1351 CHANG Eunhwal 714-776-0530 1
SMITH Isela 714-991-8612 8
STEVENS J 714-520-4088 7
1361 DATTA Manju 714-772-4024 7
MUKHOPADHYAY Samiran 714-956-8060 +0
TAI Jui H 714-774-9616 1
1371 AL-Hattab Ihsan 714-808-6772 +0
BALZ Arthur Jr 714-520-0702 1
RATKOSKY John 714-808-2919 +0
1381 MORRILL Dawna S 714-776-4168
SCHWARZE Ed 714-635-7745
1391 JANISH Dale 714-991-4623
MERTZ N J 714-491-7760 7
PARK Joon Kyu 714-502-9330 4
PARK Won K 714-991-1985 9
X HAMPSTEAD
1401 PARK Ken Young 714-635-7031 3
1409 NGUYEN Tuan 714-956-0313 5
SIDHU Sarbjit 714-530-7952 2
ZANTOS Phil 714-520-7868
ZANTOS Phil 714-758-2902 +0
1415 FISHER Kenneth 714-956-4884
XU Xue W 714-774-9727 9
1425 FRISBEE Burton 714-772-3864
FRISBEE Susan 714-772-3864
1429 KWAK Jong H 714-635-4930 +0
KWAK Jong H 714-635-6834 +0
1435 LAM H L 714-533-4090 9
1445 HUERTA C 714-533-0196 8
HUERTA O 714-533-0196 8
TIEN Cecil 714-533-4009
1455 BRANT Ken 714-772-9589
KIM Jae S 714-635-6862 9
POCE Angelo 714-991-1777 5
1465 .... APARTMENTS
20 NGUYEN Phu V 714-817-7862 +0
24 RANCIGLIO Terry M 714-774-5234 5
RANCIGLIO Terry M 714-817-9310 9
23 STOCKS Fred S 714-533-7641 2
TULEPAN Dorothy 714-533-1822
TULEPAN Phil 714-533-1822
1465 ....
X 9TH
1475 .... APARTMENTS
BLACKERBY Joel 714-774-3225 +0
BLACKERBY Judy 714-774-3225 +0
17 BRADY L 714-687-6858 9
18 HOLLAND L M 714-491-3587 7
NAKHLEH Sam 714-774-6048 6
16 NAKHLEH Sam M 714-774-6062 6
1475 ....
1485 • ANGELS ACADEMY 714-491-3652 +0
KIM Han S 714-608-9390 +0
KIM Jeong W 714-533-3465 +0
1495 POSNEY Pamela S 714-991-1228 9
1503 JENSEN Carl L 714-776-3883 +0
• SARVAK Brian OO 9
1504 • BLETHROW Robert OO 9
1507 • MOYNIHAN Wm P 714-772-2532
1510 DUBON Ernesto 714-778-6018 9
• MATHUR Ravindra OO 9
1513 • GILDAY Susan OO +0
1514 • CARDENAS Carlos OO 9
1517 • SUITO German OO 9
1520 • TRAN Binh OO +0
1521 • MILLER Chas B 714-774-1989
1526 • NORTON Dennis OO 7
1527 • EID Toufic OO 8
1531 • SIMPSON Douglas OO 7
1532 • WILLIS William OO 9
1535 • WOLIK Corey OO 9
1536 • TRAN An OO +0
1541 • HANCOCK Keith D 714-776-0838
X BAYLESS
1542 • FRANKEL Joanne OO 9
1545 • CARLSON Clarence A 714-535-6786
1554 • WRIGHT Richard A 714-535-7848
1555 • BALIKJI Botros OO 9
1558 • DO Doan T 714-776-9430 9
1561 • ARAGON Silvestre OO 7
1564 • GRINDELL Chelsey 714-956-0236
1565 ARAGON Isidro 714-956-1472 +0
• JACINTO Martin OO 9
1570 • HUFFMAN Delbert OO 9
SILVERMAN Herbert OO 9
1571 DOAN Nhan 714-563-4778 +0
DUONG Judy 714-956-7623 +0
• MYRES Brian OO 9
1574 • SHEPLAY Fae OO 9
1575 BARTH Justin 714-635-7870 9
• COOLEY Douglas R 714-956-8529
1579 • YANGO Luzminia OO 7
1580 • LIPPINCOTT Charles OO 7
• TRAVEL TEEN ED TOUR 714-772-3121
1583 • SCHULTZ Frederick OO 9
1584 • BORDELON Raymond OO 9

CERRITOS AV W 92802 CONT.
1587 • MILLER William OO 9
1590 • MITSCHEL Robert OO 7
1593 • CLEMENS Larry OO 7
1594 • JUDD William R 714-535-7558
1595 • CLEMENS Norman OO 9
DOUGLAS Callye D 714-774-5488
1604 • DEANE Timothy J 714-535-5983
1609 • JOHNSTON Clyde G 714-535-6776
1610 • SANCHEZ Frank OO 9
1615 • HA En OO 9
1616 • FENNEMA Atsuko OO 7
1624 • POWERS Craig OO 9
1625 • LA Marca Jim 714-563-7566 +0
MEDLIN K 714-563-7566 +0
1630 • DANG Phuoc OO 9
PHAM Xuan 714-776-9364 9
1635 • HOANG Yvonne OO 9
1640 • SMITH Robert OO 8
1643 • PHI Tap OO +0
1650 DAVIDSON P 714-535-2046 5
• SHUPE Bebe 714-956-4308 8
• SHUPE John W 714-535-0708
1651 • LIBBY Dennis 714-772-9474
• LIBBY Jeane 714-772-9474
1656 • CORDARO Mark OO 9
1661 • LIBBY Neville Mrs 714-535-1074
• LIBBY V E 714-956-7780 8
1664 • ELSAYEGH Hani OO 9
1669 • TRAN John OO 7
1670 • MIZER Christopher OO +0
1679 XXXX OO
1680 • FEGHALI Rafic OO 7
1685 • PERNELL Robert OO 9
1689 • INNOVATIVE HAIR STYLING 714-535-4247
X EUCLID S

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WEALTH CODE 4 9

1700 ...... APARTMENTS
253 ANSLEY L 714-284-0529 7
357 BADGER James H 714-776-6506 9
207 BARKER Marvin J 714-774-1744 8
BARKER Terry L 714-491-7711 1
BEBERU Cecilia 714-774-2495 +0
330 BEGGS Laonda 714-490-0454 9
BUTLER John A 714-956-8967 +0
111 CHO S 714-535-0840 8
276 CHOI Misun 714-778-8946 +0
276 CHOI Seung J 714-817-0343 +0
305 CLARK K 714-284-0529 7
DUQUETTE Loretta 714-776-3869 +0
334 GEH Suan Beng 714-535-1923
34 GIBSON Steve 714-776-3152 +0
HAM Jin O 714-635-6421 6
258 HIRSCHMAN Carl 714-563-9747
258 HIRSCHMAN Nancy 714-563-9747
269 HOEVEL Richard J 714-533-0206
JORDAN Leah D 714-991-3509 7
KIM Jung I 714-772-4491 4
KIM Jung K 714-991-3279 9
KIM Ki H 714-774-4864 +0
KIM Kyung J 714-817-9109 9
KIM Sung Woo 714-533-2163 9
KIM Wi H 714-533-3666 7
325 LEE Jai K 714-535-7327 8
LEE Yong W 714-776-7024 9
LEE Yong W 714-776-5412 9
LEOPOLD P 714-774-3733 +0
LEWIS Bradley 714-635-7219 +0
257 LUNA Albert 714-491-6516 5
245 MYERS Robert 714-956-7884 8
315 OCHOA German 714-533-6566 9
301 OLNE David D 714-778-5867 1
PARIKH Yesh 714-563-2391 +0
142 PATANELLA Bea 714-772-3818 3
265 QUINTERO Susie M 714-778-3824 7
358 RODRIGUEZ Steven 714-772-4106 9
115 SHEA E J 714-533-1942
101 SMITH Xavier 714-991-8115 5
312 STEIN Jeffrey 714-533-3556
224 STRICKLER Robert D 714-635-3838
254 SULLIVAN M 714-535-1461
125 TIAB Shereen 714-491-7224 7
TIAB Shereen 714-491-7539 +0
• TOKKO JULIE IN 714-778-2161 9
220 WEBB Anita 714-956-3322
WEBB Anita 714-956-9222 +0
220 WEBB Robert 714-956-3322
WEBB Robert 714-956-9222 +0
225 WHITELEY James L Jr 714-533-3179 9
110 WILLIAMS Diana 714-563-7510 7
110 WILLIAMS Willie 714-563-7510 7
116 YOON Chol Hi 714-772-5454 6
ZI Richard 714-491-2667
1700 ....
1718 XXXX OO
1765 • ANH CTY SWIMMING POOL 714-635-3215 7
• LOARA HGH SC 714-999-3677
1770 • EZRA CENTER 714-776-1103 9
• TEMPLE BETH EMET 714-772-4720
• TEMPLE BETH EMET SC OFC 714-772-2770 9
TOFIELD Aaron Rabbi 714-772-4720
VILLALOBOS Marco 714-991-6370 +0
X HACIENDA
1802 • PAZO Raphael OO +0
1803 • MAGNUSON William OO 7
1808 • WANG Fang OO 9
1809 • PATEL Arun OO 9
1814 • ORNSTEIN Seymour OO 9
1815 • NGO Chieu OO 8
1820 HOAC Chau 714-776-7328 +0
• HOAC Linn OO 7
1824 • DUPUIS Herman 714-772-9003
1830 • ELAURIA Leopoldo OO 7
1837 • CRISTIANO A OO 9
X OLD FASHION WAY S
1845 • HO Timothy OO 9
1861 • WARE Charles OO 9
X EASY WAY
1869 • HARO Benjamin OO
1873 • ORTIZ Engela OO 7
1879 • REEVES Jerry L 714-533-3894
1883 • BELENES Aurel 714-491-1806 7
X NUTWOOD S
1900 • BERGER G C 714-520-5895
• BERGER J E 714-520-5895
1912 • SPAZIANO Robert OO 7
X IVANHOE S
1916 HENDERSON Arlene 714-491-1352
• HENDERSON William 714-491-1352
1921 • JONES Anna K 714-758-1763
• JONES John Paul 714-758-1763
1922 • GROTH Richard OO 9
1925 • YU Mengai 714-563-9441 7

CERRITOS AV W 92804 CONT.
1926 • SINGH Joshua OO 7
1931 • SHOUSE Vivian OO
1932 • MANASAN Rizaldy OO 9
1935 • PADIS Victor OO 7
1936 • LEWIS George 714-774-9842 +0
1939 • FOSTER Alice OO 9
1942 • KIM Yong OO 7
1945 • RAWSON Mark 714-956-2880 +0
1946 • DOAN Hung OO 7
1949 • NGUYEN Lily OO 9
1950 • TAYLOR Melvin OO 9
1955 • CHU Michael OO 7
1956 • MIKINKA Moira OO 7
X BETTES PL S
1959 • DARRINGTON Charles 714-772-4680
1965 • HARTMAIER Robt G 714-533-3768
1969 GARCIA L 714-535-3200 +0
• GARCIA Salvador OO 9
OPORTA Maria R 714-535-1996 +0
1975 • NGUYEN LONG PHI 714-772-0452 +0
• NGUYEN Tom OO 9
X DALLAS DR
2102 • EMETT Lenore OO 9
2109 • BRAVO Luis OO 9
X JILL RD S
2112 • LOCKWOOD Larry OO 9
2115 • CLAYPOOL David L 714-776-6093
CLAYPOOL David L 714-808-7968 +0
2119 • LOWE T F 714-778-2214
2122 • GARDNER Charles OO 7
2123 • FARMER Delwin OO 9
2126 • CAMPBELL Paul 714-772-5403
2129 • LINDER James 714-991-9678 6
X ELK RD S
2130 • WEEMS Robert OO
2133 • BYBEE FLOOR CO 714-774-4804
• BYBEE James OO 7
2137 • BOWER Daniel OO 7
2140 • LE Mai OO +0
TODD Harold R 714-774-4772
2141 HERNANDEZ Desiree 714-956-8253 +0
HERNANDEZ Tina M 714-776-2507 9
• ROJAS Gilbert OO +0
2144 • ORTIZ Jose OO 9
2147 • HARRISON Georgia OO 9
X RITA LN
2150 • DONLEY Letha OO 7
2151 • MACTOMAI Thi OO 9
PHAM Tuan N 714-535-0276 +0
2161 • BYERS Sally OO 7
2165 • JOHNSON Mildred 714-635-5248
2168 • RABIDEAU Clayton OO 9
2169 • DANNAMAN William OO 9
2172 • BONINE Larry 714-533-7538
2173 • MENDONIS Gus OO 9
X GILBERT
X HARCOURT AV
2445 • MARIE Tanna OO 9
X GARZA S
2455 • HOLIFIELD Jack 714-828-0104
2459 • FARNSWORTH Wallace 714-828-7417
2463 • FANSLER C M 714-995-7118
2469 • PEREZ Ismael OO 9
X RODEO DR
2471 • GONZALES Robert OO +0
2475 • KING Gerald N 714-826-6408
• KING Myrtle C 714-826-6408
2481 • HARRIS Barbara OO 9
2625 • GUARDADO Miguel OO 8
2631 • BELEI Camilla OO 7
2635 • BRAUN Paul E 714-995-0672
2641 ESPINA Rafael 714-827-3733 7
• MURRILLO Indalecio 714-826-6670 6
X KENMORE S
X SYLVAN
2655 • ALFRIEND Gayle OO 9
2661 • GOMEZ Soledad OO +0
2665 • GABRIEL Enid OO 9
2671 • DYDA William OO 7
2675 • VILCHEZ Agustin OO 9
X SHERRILL
2681 • LINDNER Steve OO 9
2685 GUADAN Consuelo P 714-827-1005
X RITTER
3525 BALLARD Wayne 714-821-5472 7
• PATIL Jadhav OO 9
3529 • OWENS Russell OO 9
3535 GRANTHAM T 714-484-7658 +0
• NIKOLAU Paul OO 9
3541 GRANTHAM Neil A 714-761-2240
• HAINES W OO 9
3549 • ONODA Setsuko OO 9
3555 • MCBRIDE Ervin OO 9
3569 HUYNH Daniel 714-527-0736 8
• VU Dinh OO 9
3575 • BERGER Christobel OO 9
X MOONSTONE
3623 XXXX OO
3665 • STANTON LITTLE LGE 714-828-4260
3731 • CERRITOS ELEMENTARY SCHOOL 714-236-3830 1
• 73 BUS 357 RES 76 NEW

CERRITOS DR 92835 FULLERTON
WEALTH CODE 9 0

1011 • SCHMITTOU Leon OO 9
1015 • GIBBS William OO 9
1019 • VANDERWALL Harold 714-525-7717
1020 • BLAHO Michael OO +0
SCOTT William E 714-525-7092
1025 • KIELEY J M 714-525-2139
1026 • SLAUGHTER Erin 714-526-7523
• SLAUGHTER Lisa 714-526-7523
1031 • SCHADE Arthur OO 9
1032 • CULHANE John OO 9
1037 • DOHERTY Charles OO 9
1038 • SIELOFF David OO 9
1043 JOHNSON C A 714-738-4446
• STULL Peter A 714-738-4446
1044 • PEARSON Gordon F 714-871-6676
1049 • TOVEY Steven OO 9
1050 • NEUMANN Raymond OO 9
1055 • WOZAB Daniel OO +0
1056 • POWLISON Fraser OO 9
1062 • FALL Anna OO 9
1100 • BRANNOCK Samuel OO 9
1101 • HARVEY Stanley OO +0
1104 • CURTIS Edward M 714-578-0871 8
• CURTIS Joy W 714-578-0871 8
1106 • PRATT Susan OO 9
WHITING David 714-870-6387
WHITING David 714-447-6265 9
1108 • MC Aulay John 714-879-6740 9
1111 • MCELROY Margaret OO 9
1112 • DUFF Cline OO 9
1115 • TSIMANDIS Maria OO 9
1116 • IRWIN Geoff 714-525-1406

2000 (Subject) 3591 West Cerritos Ave.



2000 (Adjacent) 10400 Block of Los Alamitos Blvd.

94
CERRITOS AV E
N. ORANGE CO. THE HAINES DIRECTORY 1996

CERRITOS AV E 90720 LOS ALAMITOS

WEALTH CODE 6.4

3321 •INVENTIVE IDEAS 431-7585 4
3323 XXXX 00
3325 •LOSALMTS MOWER&SAW 596-0358
3327 •PENA RUBEN CONSTR 430-4216 3
3329 •PABST WES ACCIDENT 598-1266 9
3331 •CREATIVE DEZIGN 493-5949 0
3333 •BURCHMAN E ENTERPRS 596-7169
3335 XXXX 00
3342 •COLLINS MONTE BCKH 827-9695
•COLLINS MONTE BCKHO 430-3715
•MON BAR 431-5887 4
•MONTE COLLINS BCKHO 430-3715
3343 XXXX 00
3347 •A CORY THIES OD 430-7505 8
•MORRISH S C OD INC 430-7505 7
•THIES A CORY OD 430-7505 8
3349 •BARHAM&OSTROW ATTY 598-2456 0
•OSTROW SHIRLEY ATTY 598-2456
3351 •CA WESTRN FNCL CORP 594-6501
•PREFERRED FNCL CNSL 598-8818 5
3355 •STOCKTON ACCOUNTNCY 952-9416
•STOCKTON ACCOUNTNCY 493-3591
•STOCKTON LOUIS CPA 493-3591
3361 XXXX 00
3363 •OWEN W A&ASSOCLATES 493-3791 5
•WRIGHT STAN ENTPRS 493-3793 5
3370 •BOBS GLASS PATCH 761-1441
•BOBS GLASS PATCH 598-6639
3371 •H P FOOD SERV SPLY 430-4566 0
3373 •KURTHY M G DR 594-6595
3375 •J L&ASSOCIATES 799-6610 3
3377 •CRAFTS BOOK BINDING 598-8128 4
3379 •TELSTAR BUSNS TELE 493-2561 5
•TELSTAR CMNCTNS INC 527-5587 4
3380 •ALBRIGHT PLMBG&HTG 594-4469 7
•ALBRIGHT PLMBG&HTNG 527-8711
3381 •MELODIES DANCE THTR 431-8582 9
3383 •METRO INTL TRNSP 594-8630 4
3385 •GLASS EYE INC THE 431-8293 9
3387 •ACTION CONTRS INC 596-5338 5
•HESS ENGINEERING 799-9787 5
•HESS ENGINEERING 828-1365 +6
3400 •G T AUTOMOTIVE 799-1777 4
3403 •BRICKS ELEC 594-5997 4
3405 •AKROBAT INTERNATL 431-1900 3
•CA LANDAU 827-6671
•CA LANDAU 431-6915 7
•HELENES UPHOLSTERY 598-7797 5
3407 •A TO Z ELECTRIC 493-1817 7
•HAMMOND CHUCK ART 598-7336 5
•SIEVERS 493-5848 9
3409 •WORKERS CMPNSTN CLM 596-6333 3
3415 HOLMQUIST Sue G 431-7872 3
•MCKINNEY&COMPANY 598-4436 2
3429 XXXX 00
3431 •LIRA SPORT DESIGN 598-4124 8
3433 •CARRIER ONE DESIGNS 594-0546
•N R J ENTERPRISES 493-2431
•NORM JOHNSON ASSOC 493-2431
•TRANSATL TRADING 493-0351 4
3435 •DATA SOFT MNG&DP 430-0048 5
•DATATEK CONVERSION 430-4127 5
3502 •EL POLLO LOCO 799-8375 3
3542 XXXX 00
3562 XXXX 00
3591 •CA LITERATURE PRJCT 598-3974 2
•L A T V 594-0122
•LOSALMTS SC HIGH 594-6964
•LOSALMTS SC HIGH 430-3511
•LOSALMTS SC ORANGE 431-8198 4
•LOSALMTS TEVE VISION 594-0122
•ORANGE CO SC ARTS 596-1435
3592 •LOS AL U STORE&LOCK 594-6661
3622 XXXX 00
3626 •SOUTH CST LNDSCPNG 596-6666
•SOUTH CST SUPPLY 596-6682 1
3652 •VOLCANO BURGERS 430-6004
3686 •ACE EQUIP RENTALS 431-1305
•ACE EQUIPMENT RNTLS 828-8360
3712 •SONA&HOLLEN FOODS 431-1379
3732 •A AND E AUTOMOTIVE 799-5650 5
•A AND E TOWING 493-1991 1
•ACCURATE CONSTR CO 493-1992 1
•C&J CASTINGS 598-4584 8
•HUMPHREY&COOPER 430-6817
•OLYMPIC IRON WORKS 430-1749
•SMALL CAR PARTS 895-5157 5
•SMALL CAR PARTS 596-7664 0
•356 LTD 430-4864 8
3752 MACDONALD Victoria 594-6594 1
•PUBLIC STORAGE 493-3072
3782 •MICHAEL FRANKLIN 431-4530 4
3788 •LONG BCH STATIONER 527-1202
•LONG BCH STATIONERS 594-6687
3822 •CREATIVE MICRO SYST 493-2484
3838 •FALLAH ENTERPRISES 799-6642 5
3842 •CA CLOSET CO 952-8952 6
•CA CLOSET CO 493-5579 8
•CA CLOSET COMPANY 493-5579
3848 •VIPLEX INDUSTRIES 598-2188 5
3854 •ADVANCE CREDITRS SV 594-4791 7
3856 •MARUHACHI U S A INC 598-9691
•PARRETT BOB 795-6779 5
3858 •CINDYS CORNER CAFE 596-7532 7
3888 PINTEK Michael D 430-1818
3890 XXXX 00
3898 XXXX 00
3902 •ALL CTY TERMITE CO 594-6632 4
3912 •HI TECH PAINTING CO 596-7875 5
3938 •SHERWIN WILLIAMS CO 799-9311 5
3942 •SOUND INNOVATIONS 598-1788 0
3948 XXXX 00
3952 XXXX 00
3958 XXXX 00
3962 •PACKAGING STORE 895-9520 0
•PACKAGING STORE 799-1390 3
•RYDER TRUCK RENTAL 430-6277 5
3968 XXXX 00
3971 •ADS SERVICE CENTER 598-6911 2
3972 •JOYCES SQUARE ROUND 596-1121 9
3978 •SIR SPEEDY PRNTG CT 493-2551 0
3982 •LARRY&ALS SPRTNG GD 431-3701 5
4112 •LOSALMTS SC MCALFF 493-5428 7
•LOSALMTS SC MCALFF 598-3918 7
•WESTRN YOUTH SERVS 952-1633 5
•WESTRN YOUTH SERVS 952-0738 5
4142 •CHURCH JESUS CHRIST 827-9262
•CHURCH JESUS CHRIST 827-6271
•CHURCH JESUS CHRIST 821-6914 7
•CHURCH JESUS CHRIST 827-6190 8
•CHURCH JESUS CHRIST 827-1522 8
4260 •SHERWIN WILLIAMS CO 995-8228 +6
4274 •CARPIN MFG 952-8693 1
4292 •INTL SPORTS COUNCIL 229-7340 +6
4332 BUILDING
•BABCOCK&WILCOX 236-0432 0
•BAKER D W CFP 229-2266 +6
•CONTL BUS SV ACCTNG 236-4288 5
•CONTL BUSINESS SERV 952-4588 9
•CONTL BUSINESS SRVS 426-1378 0
•CONTL BUSINESS SV 236-4282 +6
•COOPER DENTAL CORP 827-0206
•COOPER GREG DDS 827-0206
•DAVID J PETERS FNCL 828-7240
•DAVID J PETERS FNCL 598-7030 3
•DAVID J PETERS INS 828-7240
•FINAL COPY GROUP 821-1808 3

CERRITOS AV E 90720 CONT.
•NORTHWSTRN MTL LIFE 598-7030 3
•NORTHWSTRN MUTL LFE 828-7240 0
•SAFETY LINE 220-6400 4
•SEAWEST PHYS THRPY 594-4916 4
•SHERIKON INC 828-5344 0
•SHERIKON INC 531-1739 5
•TRACK 3 INC 761-5353 4
4332
4288 •SIERRA PAC MRKTG 821-3100 +6
4400 XXXX 00
4410 XXXX 00
4422 XXXX 00
4430 XXXX 00
4446 •PRINT N COPIES CNTR 995-3522 8
•PRINT N COPY CENTER 594-6577 3
4450 •COLOR EXPRESS AUTO 761-9185 1
4454 •INTERWELL ENTPRS CO 828-0873 +6
•JOINWELL CO 828-0256 5
4458 •ADVANCED PHYSCN MNG 827-4822 +6
•ADVANCED PHYSCN MNG 229-9633 +6
4462 XXXX 00
4466 •CA WOK 527-0226 9
4470 •ELEGANT TOUCH BRDL 821-3390 3
4474 •BROWN ROBERT PHOTO 828-3360 9
•DESIGN WORKS 828-3584 +6
•FRAME WORKS 527-1634 +6
4478 XXXX 00
• 151 BUS 23 RES 11 NEW

CERRITOS AV W 92805 ANAHEIM

WEALTH CODE 3.0

100 •T A S K 533-8275
•TEAM OF ADVOCATES 533-8275
110 •MICRO MADNESS INC 535-4172 1
118 XXXX 00
120 XXXX 00
125 XXXX 00
133 XXXX 00
150 •DALE MCINTOSH CNTR 772-8285 8
•DAYLE MCINTOSH CNTR 772-8285
•MCINTOSH CT DISABLD 772-8285 9
158 •COOL SHDS WNDW TNTG 454-8458 4
160 •B N S TECH INST 778-3224 8
163 XXXX 00
167 •TRI STAR HOME CLNG 774-1888 0
175 XXXX 00
180 XXXX 00
194 XXXX 00
196 •T&M CONSTRUCTION 533-3094 4
201 •LARKIN LAMB&ASSOCTS 774-6794 5
207 XXXX 00
209 •BUDS SUBMARINES 772-2552
210 XXXX 00
217 XXXX 00
221 •GREEN VLY DEVLP 999-2727 5
•GREEN VLY DEVLP 999-6552 5
224 XXXX 00
228 •METROCALL 778-3020
•METROCALL CELLULAR 778-3020
229 •WILLIAMS ROBT J CPA 563-9011 2
232 •ANAHEIM BUSNS CNTR 520-4375 +6
233 XXXX 00
236 XXXX 00
244 •SIR SPEEDY PRINTING 774-3420 +6
•SOUTH CST CONSTR 999-6631 3
245 XXXX 00
248 •AFFORDABLE COMPUTER 563-2779 5
•SHAHRESTANI S DC 563-3534 5
251 •DELTA ONE SOFTWARE 776-3897 2
255 XXXX 00
259 XXXX 00
260 XXXX 00
263 XXXX 00
271 •L F S BENEFIT SERV 774-8051
275 XXXX 00
279 XXXX 00
287 XXXX 00
289 XXXX 00
293 •DYSLEXIA ORTON SOC 999-0118 4
•ORTON DYSLEXIA SOC 999-0118 4
295 XXXX 00
299 •DYNAMIC SCIENCE 520-9471 0
300 •DARROW VICKI MD 456-7200 5
•HARBOUR S RN CNM 456-7200 5
•RUSSELL PAT CNM 456-7200 5
•SNELL B J CNM 456-7200 5
•U C I BIRTHING CNTR 456-7200
•U C I NURSE MIDWFRY 456-7200
•WALKER DEBORAH CNM 456-7200 5
305 XXXX 00
309 XXXX 00
313 XXXX 00
317 •ANAHEIM MOOSE 1853 776-1561 1
•MOOSE LODGE NO 1853 535-9907 0
325 •APOLLON IMPORTS&EXP 776-7110 5
329 XXXX 00
333 XXXX 00
337 XXXX 00
350 XXXX 00
355 •AMER HIGH TECH INST 758-9006 4
358 XXXX 00
362 XXXX 00
364 •TACTICAL PATROL INC 563-9924 +6
368 •S S T P 999-5456 5
372 XXXX 00
376 XXXX 00
380 •CA ORG PRIVATE POL 991-0870 5
382 •TOUR CNNCTN&CHRTRS 517-6655 +6
384 XXXX 00
390 •S C S APPRAISERS 772-5095 5
•SOUTHLAND CLAIMS SV 772-1933 2
392 •CA CAREER SCHOOLS 635-6585 2

ZIP CODE 92802

WEALTH CODE 5.7

1125 XXXX 00
1150 BUILDING
•AUDIO VISUAL HDQ 991-6549 1
•CIRCLE GALLERY 774-9979 5
•DISNEY CHARACTR MLS 956-6400
•DISNEY TRAVEL 520-5060 5
•DISNEYLAND HTL ADM 778-6600
•DISNEYLAND HTL RES 956-6400
•DISNEYLAND HTL REST 956-6406 1
•DISNEYLAND HTL REST 956-6404 1
•DISNEYLAND HTL REST 956-6401 1
•DISNEYLAND HTL REST 956-6402 1
•DISNEYLAND HTL REST 956-6403 1
•GOOFYS KITCHEN 956-6406 5
•GRANVILLES STEAK HS 956-6402 1
•NEON CACTUS 778-6600 5
•SHIPYARD INN 956-6404 1
•SHIPYARD INN HTL 778-6600
•STROMBOLIS 956-6400 +6
•THOLA PRODUCTIONS 774-6832
•VIDEO ADVENTURE 778-1166 9
•YELLOW CAB 778-5872 2
1150
1200 •PRINCE SUPERMARKET 635-2070
1201 KOBZI Carl S 776-3522 4
LEE Dae H 778-8456 3
ROUSE J 772-6773 1
1214 GALLEGOS J 491-1584 2

CERRITOS AV W 92802 CONT.
1221 BEAVER A J 635-6548
BEAVER Michael D 635-6548
EKSTROM Glen 774-4536 +6
•FAX SV PRFSNLS 956-2837 4
ROBILLARD Louis B 956-1749
1226 BERNABE E 776-1517 +6
1241 TATA Jacqui 520-3226 5
1251 XXXX 00
1271 DUBOIS Paul 776-6660 5
1291 MARTIN Robt B 635-0568
MUNILLA Carlos A 772-9848
1300 XXXX 00
1312 XXXX 00
1318 XXXX 00
1321 KANOW Jerry 774-3150
1324 AVALOS Martni M 635-1944 +6
1330 ALONSO Esther M 491-7186 2
1331 JORDAN Winton L 758-9147 1
ROE K A 533-1244
1334 XXXX 00
1341 ALVAREZHANNY L 520-0809 3
CARO Cesar A 635-4716 +6
HENRY M E 774-3509
VEGA Jose German 533-6341 5
1351 CHANG Eunhwal 776-0530 1
1361 TAI Jui H 774-9616 1
1371 BALZ Arthur Jr 520-0702 1
1381 MORRILL Dawna S 776-4168
PELCAK Stan C 956-0144 3
SCHWARZE Ed 635-7745 9
1391 APARTMENTS
•DALE JANISH ENTP 635-5221 7
JANISH Dale 991-4623
KIM Whe Bok 956-3353 +6
•LIMUEL SIGNS 635-7271 4
MILLER S 563-0051 +6
MYERS Norma 491-1433 5
PARK Joon Kyu 502-9330 4
1391
1401 NGUYEN Loan Thi 956-2111 5
PARK Ken Young 635-7031 3
1409 NGUYEN Tuan 956-0313 5
SIDHU Sarbjit 533-7052 2
ZANTOS Phil 520-7868 0
1415 •A D L GROUP THE 635-5330 +6
FISHER Kenneth 956-4884
PU Ping Chi 991-5309 5
1425 FRISBEE Burton 772-3864
FRISBEE Susan 772-3864
1429 POSBIC Francois 635-2448 2
1435 XXXX 00
1445 TIEN Cecil 533-4009
1455 AIKEN Bill 772-9589 7
BRANT Ken 772-9589
POCE Angelo 991-1777 5
1465 RANCIGLIO Terry M 774-5234 5
STOCKS Fred S 533-7641 2
TULEPAN Dorothy 533-1822
TULEPAN Phil 533-1822
1475 NAKHLEH Sam 774-6048 +6
NAKHLEH Sam M 774-6062 +6
1485 CARRIZAL Lain 999-1326 +6
CARRIZAL Sal 999-1326 +6
KIM Duk Rae 491-3652 9
KIM Tae Woo 778-4247 +6
1495 XXXX 00
1503 TORAL Joe 772-1136 +6
1504 •BLETHROW Robert 00
1507 •MOYNIHAN Wm P 772-2532 8
1510 •FARINO Robert 00
1513 GILDAY Thos F 635-3804
1514 •BIHM Rick 00 +6
•CARDENAS Carlos 00 +6
1517 •BRAYNARD Judy 00
1520 •PASQUALE Nicholas 00 +6
1521 MILLER Chas B 774-1989
1526 •NORTON Dennis 00
1527 •KHANSARINIA Noarat 00
1531 •SIMPSON Douglas 00
1532 •WILLIS William 00
1535 •WOLIK Corey 00 +6
1536 •VAUGHTER William 00
1541 HANCOCK Keith D 776-0638
1542 BAILEY Jack P 956-0904
1545 CARLSON Clarence A 535-6786
1554 WRIGHT Richard A 535-7848
1555 •BALIKJI Botros S 00
1558 WITHERS Jack B 772-2818
1561 •ARAGON Silvestre 00 +6
1564 GRINDELL Chelsey 956-0236
1565 •JACINTO Martin 00 +6
1570 KASKLA Edgar 778-5755
KASKLA Linda 778-5755
1571 CORRALES Robert 774-1656 +6
1574 XXXX 00
1575 •COOLEY Douglas R 956-8529
1579 •YANGO Luzminia C 00 +6
1580 •LIPPINCOTT Charles 00
•TRAVEL TEEN ED TOUR 772-3121
1583 XXXX 00
1584 •BORDELON Raymond 00
1587 •MILLER William 00
1590 •MITSCHEL Robert 00
1593 •CLEMENS Larry 00
1594 JUDD Wm R 535-7558
1599 •DOUGLAS Callye D 774-5488 7
1604 •DEANE Timothy J 535-5983
1609 JOHNSTON Clyde G 535-6776
•JOHNSTON Delilah 00
1610 •SANCHEZ Frank 00
1616 •FENNEMA Atsuko 00
1624 •KUROYAMA Michael 00
1625 •KILLINGSWORT P 00
1630 •MAIMBOURG Charles 00
1635 •MCGUIRE Josephine 00
•MORGAN Warner 00 +6
1640 DUBE Florence Grace 991-8426 4
•SMITH Florence J 778-1478
•SMITH Robert E 778-1478
1643 •PHI Jacqueline 00 5
1650 DAVIDSON P 535-2046 5
•SHUPE John W 535-0708 9
1651 LIBBY Dennis 772-9474
•LIBBY Jeanie 772-9474
1656 •CORDARO Mark 00 +6
1661 LIBBY Neville Mrs 535-1074
1664 XXXX 00
1669 •VALUSEK Marie 00
1670 •MIZER Ceil 533-8933 7
1679 XXXX 00
1680 •FEGHALI Rafic 00
1689 •INNOVATV HAIR STYLG 535-4247 7

ZIP CODE 92804

WEALTH CODE 4.7

1700 APARTMENTS
ANDERSON James 778-6861 2
BAIK Nakhyun 520-9102 +6
BANSAL Usha 772-4083 4
BARKER Terry L 491-7711 1
BLACK M J 491-2389 0
CHANG Hyong Seok 772-2773 1
FISSER Henri A 535-6379 +6
GECK David E 563-9797 +6
GEH Suan Beng 535-1923 8
GOODALL David 533-9500 5
GOODALL Margaret 533-9500
HAM Jin Ok 635-6421 +6
HIRSCHMAN Carl 563-9747 5

CERRITOS AV W 92804 CONT.
HOEVEL Richard J 533-0206
HONG Young Ja 772-2187 +6
HSIEH Clarice 991-7065
JANG Yon G 563-2639 +6
KANG Seung Woo 254-0320 3
KIM Jung I 772-4491 4
KIM Seung Nyeon 491-8216 2
KIM Sin Young 635-4020 5
KOIDE Russell 520-5948 9
KUBINSKI Fred J 991-8191
LEJA Chris 535-5615 3
LEJA M Gay 491-1980 2
LUNA Albert 491-8516 5
MANNING Fran 563-2666
MANNING Waymond 563-2666
MARANA Patrick 758-1733 7
MOHAMMAD M 563-1918 5
OAKLEY J 991-1001 4
OSMAN N 535-5115 +6
OUNE David D 778-5867 1
PATANELLA Bea 772-3818 3
PATE Jerry 776-9339
PATE Marilyn 776-9339
REGALADO Diana 563-7510 3
SANTILLAN Steve 635-7630 9
SHEA E Jeffrey 533-1942 9
SMITH Xavier 991-8115 5
STEIN Jeffrey 533-3556 0
STEVENS David 635-7442
STEVENS Michelle 635-7442
STRICKLER Robert D 635-3838 0
SULLIVAN M 535-1461 9
TAPIA Christine 776-2545 5
WEBB Anita 956-3322
WEBB Robert 956-3322
WOLFE Ken 635-6575
•WORLD INTERNATIONAL 254-0330 +6
WYSOCKI E 774-4181
YOON Chol Hi 772-5454 +6
ZI Richard 491-2667 9
1700
1718 XXXX 00
1765 •LOARA HIGH SCHOOL 999-3677
1770 •BETH EMET PRESCHOOL 772-4720 8
•TEMPLE BETH EMET 772-4720
•TEMPLE BETH EMET 772-2770 7
•TEMPLE BETH EMET 772-7583 7
TOFIELD Aaron Rabbi 772-4720
1802 •OCKER Rodger 00
WHARTON Dana 491-8110 +6
1803 •MAGNUSON William 00 5
1809 •UCEDA Jose 00
1814 XXXX 00
1815 •NGO Andy 00 5
1820 XXXX 00
1824 DUPUIS Herman 772-9003
1830 •ELAURIA Leopoldo 00
1837 •CRISTIANO John 00 5
1845 •HO Timothy 00 +6
1861 XXXX 00
1869 •HARO Benjamin 00 5
1873 •ORTIZ Engela Mat 00
1879 •REEVES Jerry L 533-3894 7
1883 •ORTIZ Pedro 00
1900 •BERGER G C 520-5895
•BERGER J E 520-5895
1912 •SPAZIANO Mary 00
1916 •HENDERSON Arlene 491-1352
•HENDERSON Wm 491-1352
1921 •JONES Anna K 758-1763
•JONES John Paul 758-1763
1922 •JEFFERSON Steve 00
1925 •KNOGGE Michael 00
1926 •SINGH Joshua 00
1931 GARCIA V 772-0114
•SHOUSE Vivian 00
1932 MILLS Joanna 772-1024 +6
MILLS Rodney Jr 772-1024 +6
•SCHEER Gladys 00
1935 •PACIS Victor 00
1936 •LEWIS George 00
1939 •FOSTER Alice 00
1942 •KIM Yong 00
1945 •RAWSON Martha 00
1946 •DOAN Hung 00
1949 •NGUYEN Lilly 00
1955 •CHU Michael 00
1956 •MIKINKA Fred 00
1959 DARRINGTON Charles 772-4680
1965 •HARTMAIER Robt G 533-3768 9
1969 XXXX 00
1975 •GARCIA Jose 00
2109 •BRAVO Luis 00 +6
2112 XXXX 00
2115 CLAYPOOL David L 776-6093
2119 •LOWE T F 778-2214
2122 •GARDNER Charles 00
2123 FARMER Delwin B 533-1166
2126 CAMPBELL Paul 772-5403
2129 •LINDER Jas 991-9676 +6
2130 •WEEMS Sylvester 00
2133 •BYBEE FLOOR CO 774-4804
•BYBEE James 00
2137 •BOWER Daniel 00
2140 TODD Harold R 774-4772
2141 •HERNANDEZ Louie 535-6446
•HERNANDEZ Tina 535-6446
2144 •ARROYO Jaime 00 5
2147 •HARRISON Georgia 00
2150 •DONLEY Letah E 00 +6
2151 TRAN Tin Thanh 535-3564 5
•TU Ninh Van 00
2161 •BYERS Sally 00
2165 •JOHNSON Mildred 00
JOHNSON Paul R 635-5248
2168 •RABIDEAU Clayton 00
2169 •DANNAMAN William 00
2172 •BONINE Larry 533-7538 8
2173 •MENDONIS Gus 00
2445 •HOLLOWAY John R 761-4703
2455 HOLIFIELD Jack 828-0104
2459 FARNSWORTH Wallace 828-7417
2463 •FANSLER C M 995-7118
2469 •SOWELL Rebecca 00
2471 ADAMS Owen 527-5354
2475 KING Gerald N 826-6408
KING Myrtle C 826-6408
2481 XXXX 00
2625 •CALDERON Joseph 00 5
2631 •BELEI Mircea 00
2635 BRAUN Paul E 995-0672
2641 MURRILLO Indalecio 826-6670 +6
2655 •ALFRIEND Jas V 821-7166
2661 •CONTRERAS Ramon 00
2665 XXXX 00
2671 •DYDA William 00
2675 •VILCHEZ Agustin 00 5
2681 XXXX 00
2685 GUADAN Jess 827-1005
3525 XXXX 00
3629 XXXX 00
3636 XXXX 00
3541 GRANTHAM Neil A 761-2240
MCCASLIN Harold T 827-1058 5
3549 CRUZ Frankie 527-6650
CRUZ Nancy 527-6650
3555 XXXX 00
3561 SIMERSON Robt K Jr 229-9893 0
3569 XXXX 00
3575 XXXX 00
3623 XXXX 00
3665 •STANTON LITTLE LGE 828-4260
3731 •CERRITOS ELEM SC 236-3830 1
• 81 BUS 321 RES 46 NEW

CERRITOS DR 92635 FULLERTON

WEALTH CODE 9.0

1011 •SCHMITTOU Leon 00
1015 •GIBBS William 00
1019 VANDERWALL Harold 525-7717
1020 SCOTT Wm E 525-7092
1025 KIRLEY J M 526-2139
1026 SLAUGHTER Elni 526-7523
SLAUGHTER Lisa 526-7523
1031 •SCHADE Arthur 00
1032 CULHANE John M 870-1708
1037 WILDERMUTH Floyd 525-3005
1038 •SIELOFF David 00 5
1043 JOHNSON C A 738-4446 7
STULL Peter A 738-4446 7
1044 PEARSON Gordon F 871-6676
1049 •TOVEY Steven 00
1050 •NEUMANN Raymond 00
1055 POWELL Jacqueline R 447-9112
POWELL Jas M 447-9112
1056 •POWLISON Fraser 00
1062 •FALL Anna 00
1100 •HINDMAN Roger 00
1101 HARVEY S E 525-1443
1104 •HOUSER Robert 00
1105 WHITING S P 870-6387
1108 •MCAULAY Jonathon 00
1111 XXXX 00
1112 •DUFF Cline C 00
1115 •TSIMAHIDIS S 00
1116 IRWIN Geoff 525-1406
IRWIN Susan 525-1406
1120 TORRES Adrian E 871-6373
1121 •BAMBROOK Gary 00 +6
•DIEP Phil 00
1124 •BUCHHOP Frances 00
•GUILIANO Mark 00 +6
1125 •FRANTZ James 00
1128 XXXX 00
1131 •WALKER Steven 00 +6
1134 •ARACE Anthony 00
1139 PEARSON Stephen R 997-0388
1140 VOOL Albert 871-8742
1147 KLINGENBERG E M 525-4565
1148 ROBINSON B F 526-6781
• 0 BUS 43 RES 3 NEW

CERRITOS DR 92669 ORANGE

WEALTH CODE 9.0

5121 •MIKES WHLSL SPRTSWR 633-1160
STILES Michael J 997-4974
5123 SLAUGHTER Paul 633-0518 5
5131 MANN Richard 639-7541
5136 XXXX 00
5143 XXXX 00
5144 •ATHAR Sabiha S 00
5203 •HYATT Karen 00
5206 •WALKER William 00
5211 REINA Andrea J 744-4883 +6
REINA F Brossy 744-4883 +6
5214 REAMES Beth 532-2613
REAMES Randy 532-2613
REAMES Ruth 639-6082 0
5225 •LEAVITT Robert 00 +6
5230 •COURTNEY Ronald 00
5237 •HILL Gary 00 5
5242 •ADAMS James 00
5404 MAKINS Perry J 633-6706 8
5417 ZIMMERMAN Chrys 633-8189
•ZIMMERMAN James 00
5424 •DURHAM John 00
5429 KING W J 997-0489
5439 •MCALPINE John 00
5440 •LU Sheng Nan 00 5
5511 SCHLEY Aaron 633-1901 2
SCHLEY P E 633-2900 8
5523 •SAUNDERS R Jos 00 5
• 1 BUS 27 RES 3 NEW

CERRO VERDE DR 92686 YORBA LINDA

WEALTH CODE 9.0

17532 XXXX 00
17544 POSTON Thomas S 524-3235 1
17548 XXXX 00
17552 XXXX 00
17564 XXXX 00
17568 •SATCHELL Kathy 528-4599
17572 •REID Charles 528-4037
17576 BARNETT Betty 524-9661 4
SPEELMAN Nelson L 524-9661 0
17580 •A R MACHINE TL SERV 572-8341 3
17584 XXXX 00
• 1 BUS 10 RES 0 NEW

CERRO VLA DR 92667 ORANGE

WEALTH CODE 9.0

VILLA PARK AREA

18301 •WOLFE Norman 00
18321 •KIM Duck Soo 00
18341 •HAUPERT C 998-5232
•HAUPERT Larry G 998-6553
18352 •PINSON Peter 00
18651 •GILLON Robert 00 5
18671 •MANDARINO Pat 00
19005 •GARNER Gerald 00
19015 •OBER Robert 998-7215 3
19025 •JIGJINNI Madhukar 00 5
19035 •KENNEDY Michael 00
19037 •RICKERL Robert 00
19041 •BILLINGSLEY Ima 00
19060 •MAGARGEE Donald L 637-1125
19172 •BARBOUR L T 637-6395
19182 •GARDNER Jerry 00
• 0 BUS 16 RES 0 NEW

CERRO VLA DR E 92667 ORANGE

WEALTH CODE 9.0

4349 •OCONNOR R 282-8744 3
•OCONNOR Richard A 637-1870 3
4411 •CHORBAGIAN John 00
4421 •CHEN Charles 921-2182 +6
4521 •KIM Andrew 00 5
LEE Hogan 283-4487 5
• 0 BUS 6 RES 1 NEW

CERRO VSTA DR 926- YORBA LINDA

WEALTH CODE 9.0

17501 WUNDERLICH T 528-
17503 PROBST Duane 528-
17505 XXXX 00
17511 XXXX 00
17513 XXXX 00
17515 •ANDERSON Robert 00
17517 •KRANING Robert 00
17521 •DAY Duane 00
17523 XXXX 00
17525 OPDYKE Irene 996-
17527 XXXX 00
17531 •TAFRESHI Anir 993-
17533 GILBERT Hank 996-
17537 XXXX 00
17543 •MYERS C R 993-
17545 •MCDERMOTT Diane 00
17547 XXXX 00
17549 XXXX 00
17551 •HANSEN Arthur A 528-
17552 •CARRILLO F 996-
17553 ROMINE Louise 96[illegible]-
17555 XXXX 00
17556 •WARMAN John 00
17561 •PRESTON Alberta 00
17564 •KNOOP Darlene 00
17565 XXXX 00
17569 XXXX 00
17573 SHORT T A 528-
17577 NAPOLITANO Don 528-
17581 XXXX 00
17584 •CUTHRELL David 00
17585 •OREN Aviram 00
17589 XXXX 00
• 0 BUS 33 RES 5 NEW

CERRO VSTA DR E 92 ANAHEIM

WEALTH CODE 9.0

4500 •HIGGINS Ronald 00
4501 •CHAVEZ Miguel 00
4520 •ESPOSITO Carmin Fra 00
4521 •COY Craig G 974-
4530 •NGO Tung 00
4536 •STEGEMEIER Richard 00
4610 •IYENGAR Sridhara K 00
4625 •SIGALOS Anthony 00
4670 •VARELA Raul 00
4700 MATSUMOTO Roy I 637-
4705 XXXX 00
• 0 BUS 11 RES

CERRO VSTA WAY S 92807 ANAHEIM

WEALTH CODE 9.0

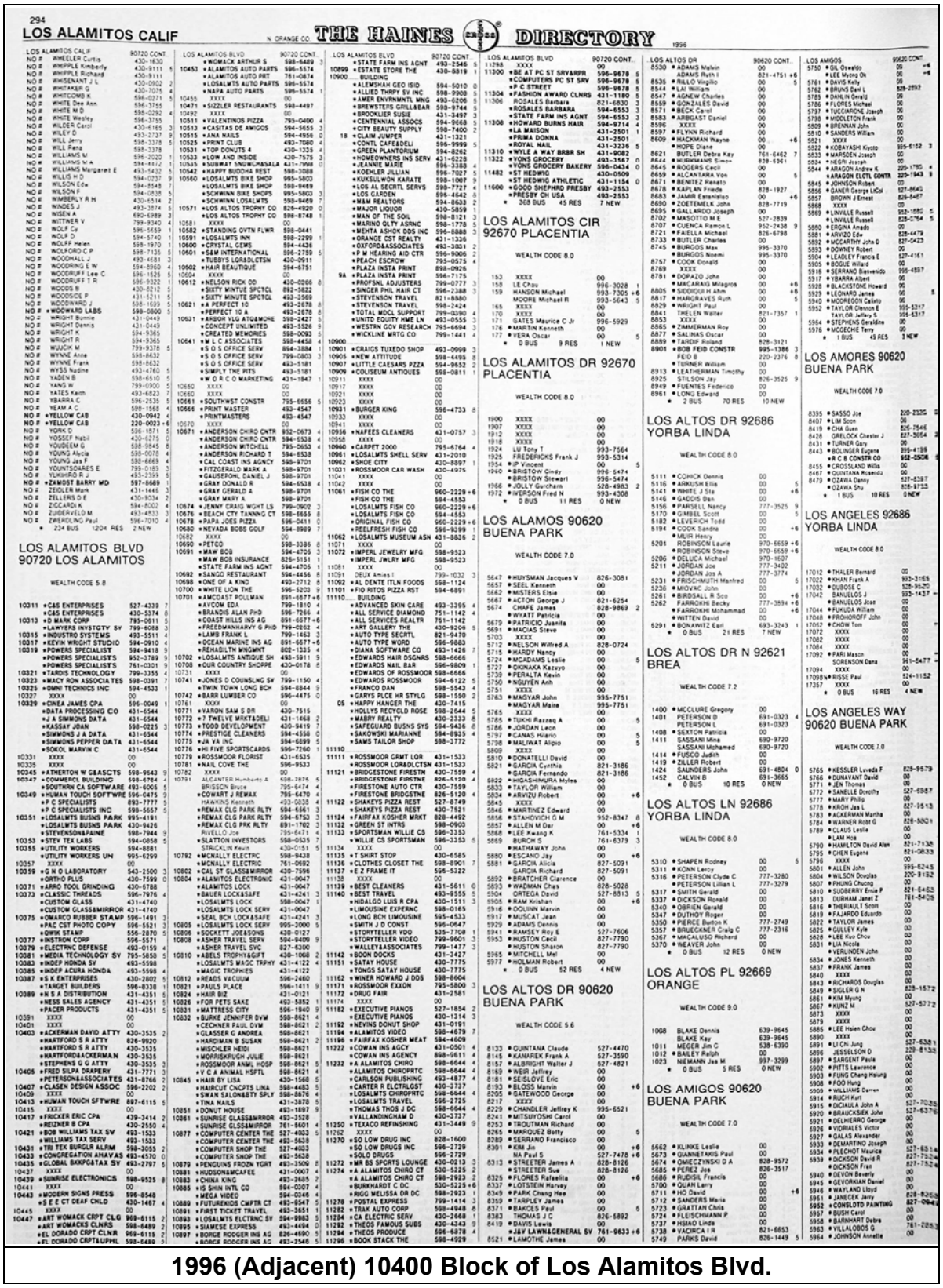
141 •CAIN Joan 00
150 HERMANN Richard A 637-
160 •LEWIS David 00
• 0 BUS 3 RES

CERULEAN AV 92645 GARDEN GROVE

WEALTH CODE 7.8

5331 •MIKKELSEN Martin 892-
5341 •CHEATHAM Raylene M 00
5351 XXXX 00
5361 •MUNGER Mary 00
5371 •FRANCALANCI P 00
5381 •FERNANDEZ Louis 00
5391 •VELTMAN Michael 00
5401 •BENTON J T 897-
5411 ALI Nayyer 892-
ALI Suzette 892-
5421 •ROWELL Stanley G 893-
5431 •DEEMING Thos A 893-
5441 •COWARD Charles 00
5451 •TAKAMOTO Ernest 00
5461 •KRELL Sandra 00
5462 •DUNCAN William 00
5471 •LANGER Yvonne 00
5472 •ALLEN John 00
5491 •LUNT Harvey E 892-
5511 •DUFFIN Jas J 891-
5512 •SCHWARTZ Harvey 00
5522 •SPENCER William 00
5531 •ORDWAY Michele 00
5561 •WELLS Richard 897-
5562 •ASHWORTH Harold J 892-
5571 •TOWER Wm A 892-
5572 •MCMASTER John 00
5581 •LEGRIS Homer 892-
5582 XXXX 00
5592 •HATTORI Yukio 897-
5611 •SCHEMMER Daniel 00
5612 •FROEBER Gisela 00
5621 •BRUTON John 00
5622 •PRIVITT Garland 00
5631 •POTTER Keith 00
5632 •JUTTE Herbert F 892-
5641 •SHERMAN Thelma 00
5642 •HUNT Morgan 00
5645 •CARPENTER Clifford 00
5651 •YONEMOTO Jas T 892-
5661 •CARLSON Arthur 895-
•CARLSON Jennifer 892-
5671 •WALUK Ann 00
5682 •ROMINE John 00
5685 XXXX 00
5691 •GUTIERREZ Charles 00
5702 •SCHILD John 00
5706 NUVAL Genevose 892-
5708 •TAKEDA Sophia 00
5712 •SASAKI Tatsuko 00
5716 KOSSMAN Rosalie 891-
KOSSMAN Sidney 891-
5720 XXXX 00
5732 STANTON Dean 898-
5738 •DUNN Johnny 00
5742 •GEISS Gary 891-
5748 •SIMS Lealyn K 00
5752 WURL J 894-
5852 •KOLANOWSKI G R 893-
NEEDY O R 893-
5861 XXXX 00
5862 •GEVERTZ Melville 00
5871 •CHANDLER Edward 00
5872 •ORMAN Robert 00
5891 •CHESLEY Kay 893-
•CHESLEY Philip B 893-
5901 •NEWMAN Michael 00
5911 •HAGAN Jeffrey 00
5951 •RAGLAND Brian 893-
5952 •HUBER William 00
5971 •NEWBOLD Roger 893-
5972 •ZELL Ronald 00

1996 (Subject) 3591 West Cerritos Ave.

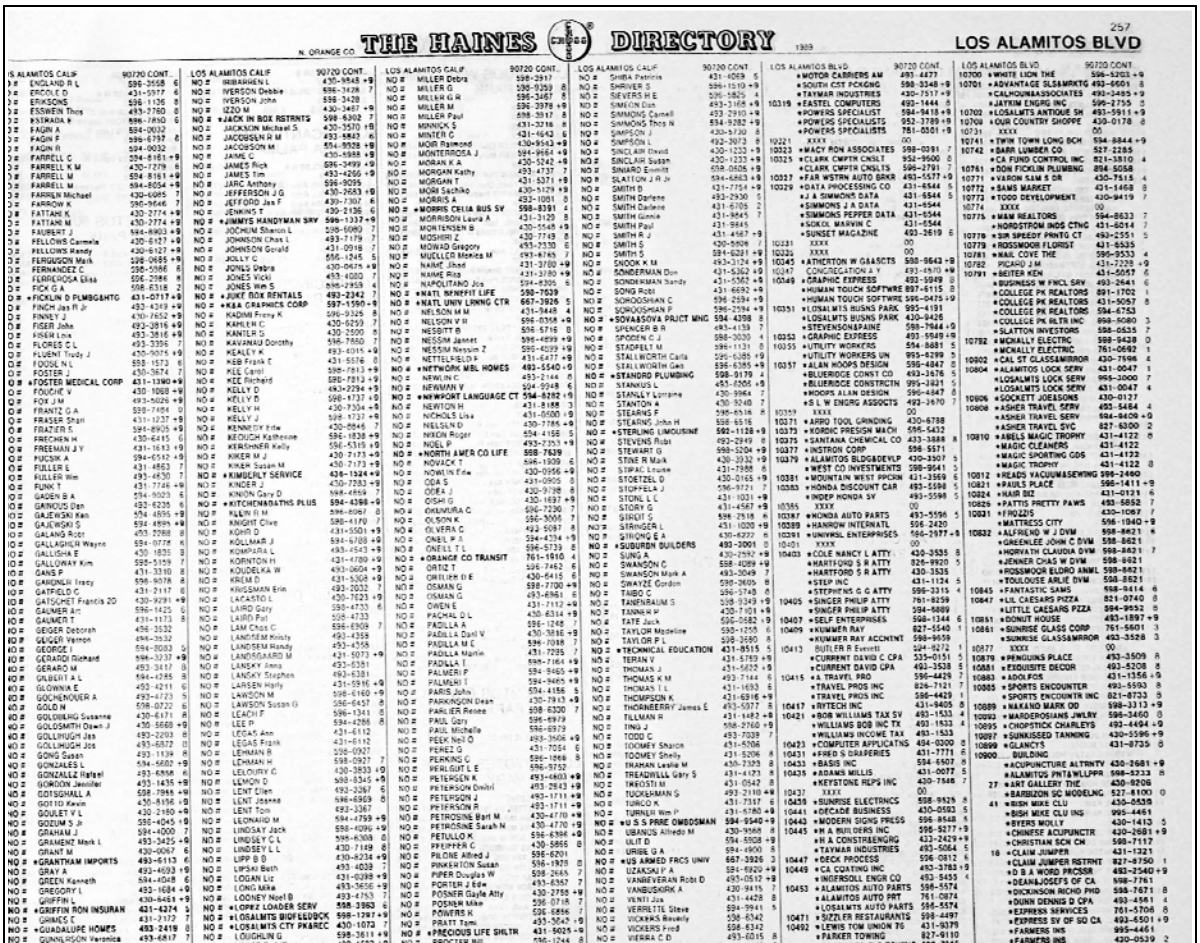


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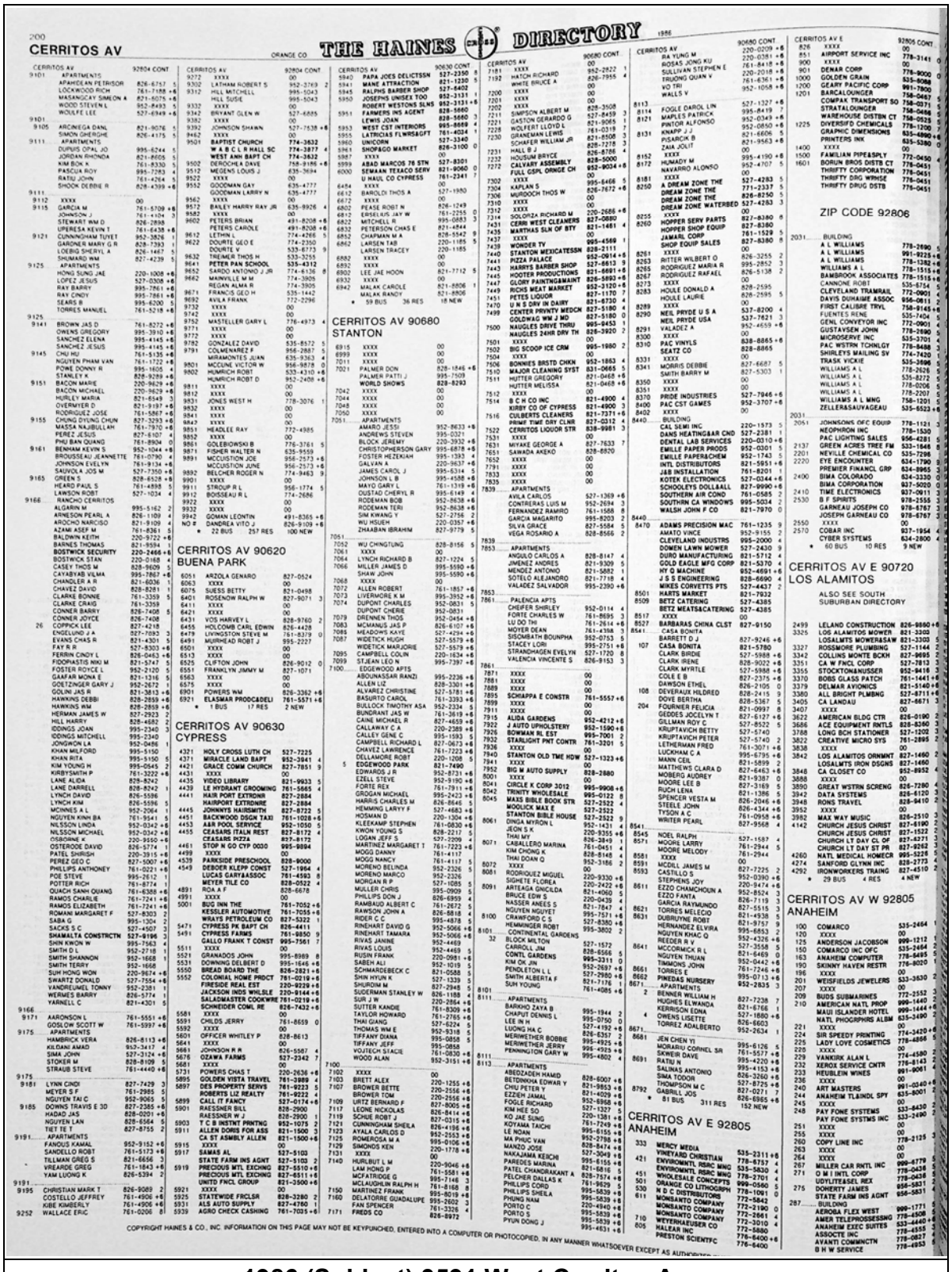


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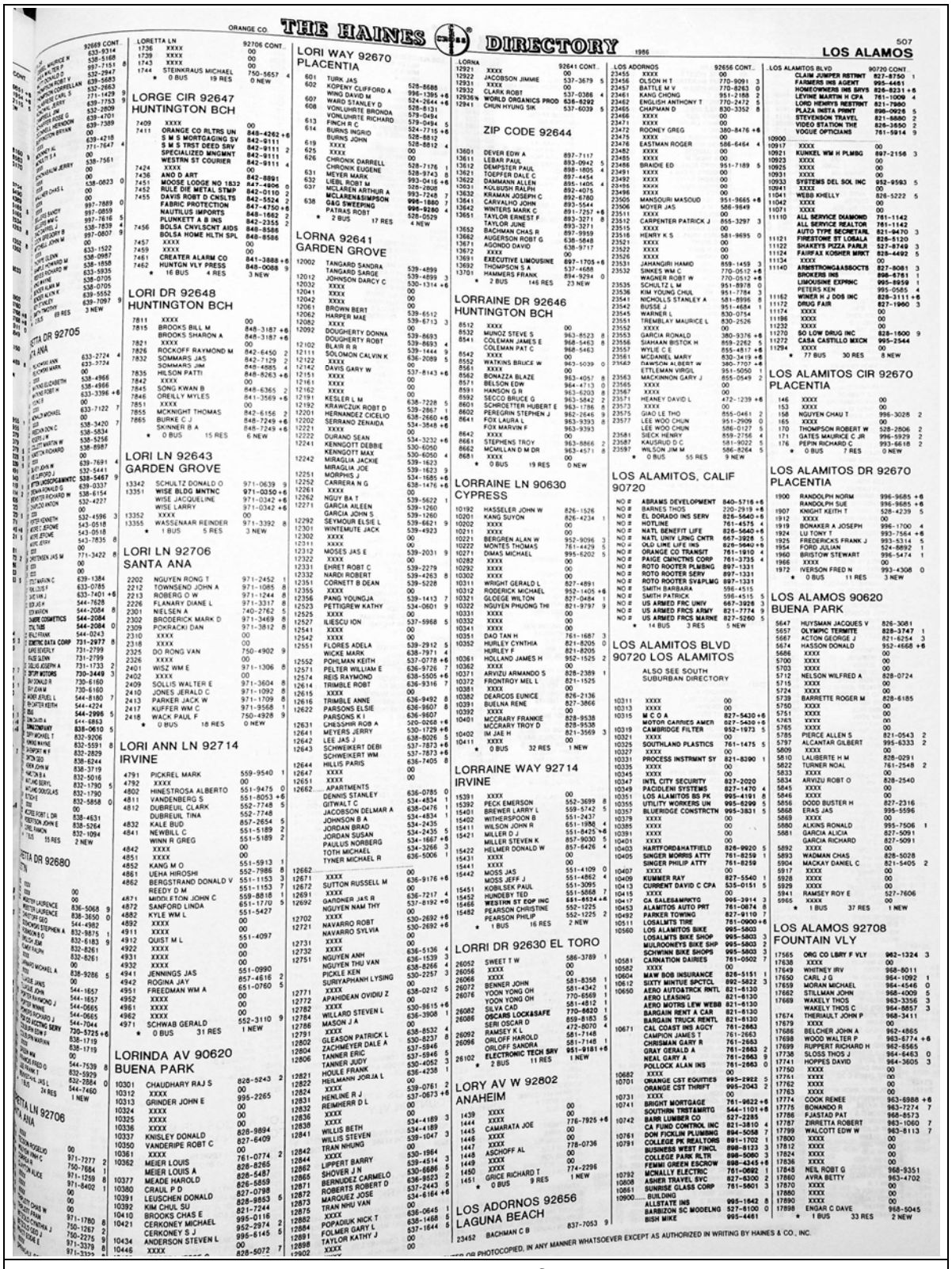
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THE HAINES DIRECTORY

CERRITOS AV

ZIP CODE 92804

CERRITOS AV E 92805 ANAHEIM

ZIP CODE 92806

CERRITOS AV E 90720 LOS ALAMITOS

SEE SOUTH SUBURBAN DIRECTORY

CERRITOS AV W 92802 ANAHEIM

CERRITOS DR 92651 LAGUNA BEACH

CERRITOS DR 92669 ORANGE

CERRO VERDE DR 92686 YORBA LINDA

CERRO VLA DR 92667 ORANGE

VILLA PARK AREA

CERRO VSTA DR 92686 YORBA LINDA

CERRO VSTA WAY 92807 ANAHEIM

CERULEAN AV 92645 GARDEN GROVE

CERULEAN AV 92641 GARDEN GROVE

CERVANTES LN 92691 MISSION VIEJO

CERVANTES LN 92691 CONT

CERVANTES LN 92630 EL TORO

CEXTON LN 92630 EL TORO

CEYLON DR 92626 COSTA MESA

CEYLON RD 92626 COSTA MESA

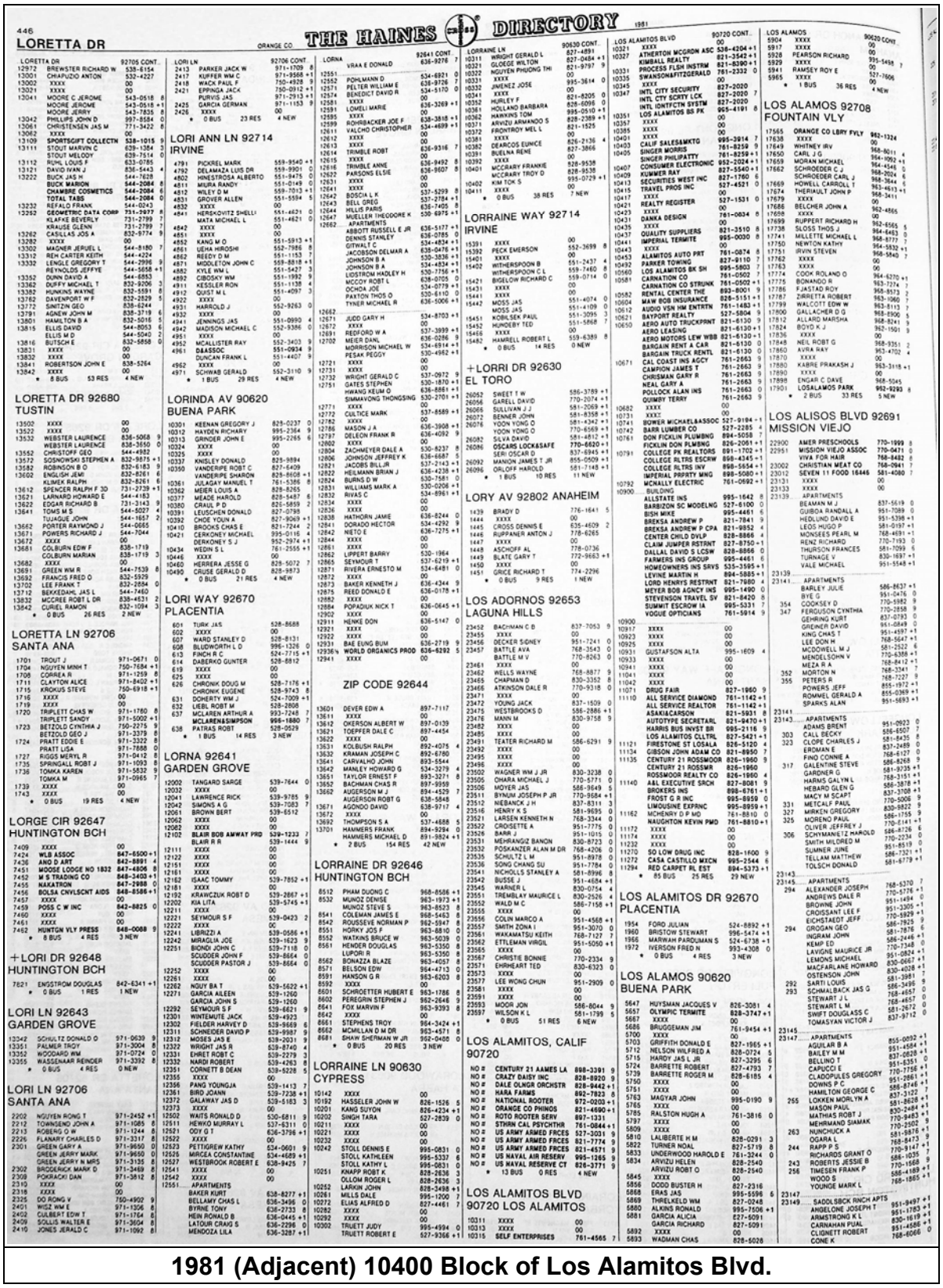
CHABLIS CIR 92714 IRVINE

CHADBOURNE LN 92705 SANTA ANA

CHAGALL AV 92714 IRVINE

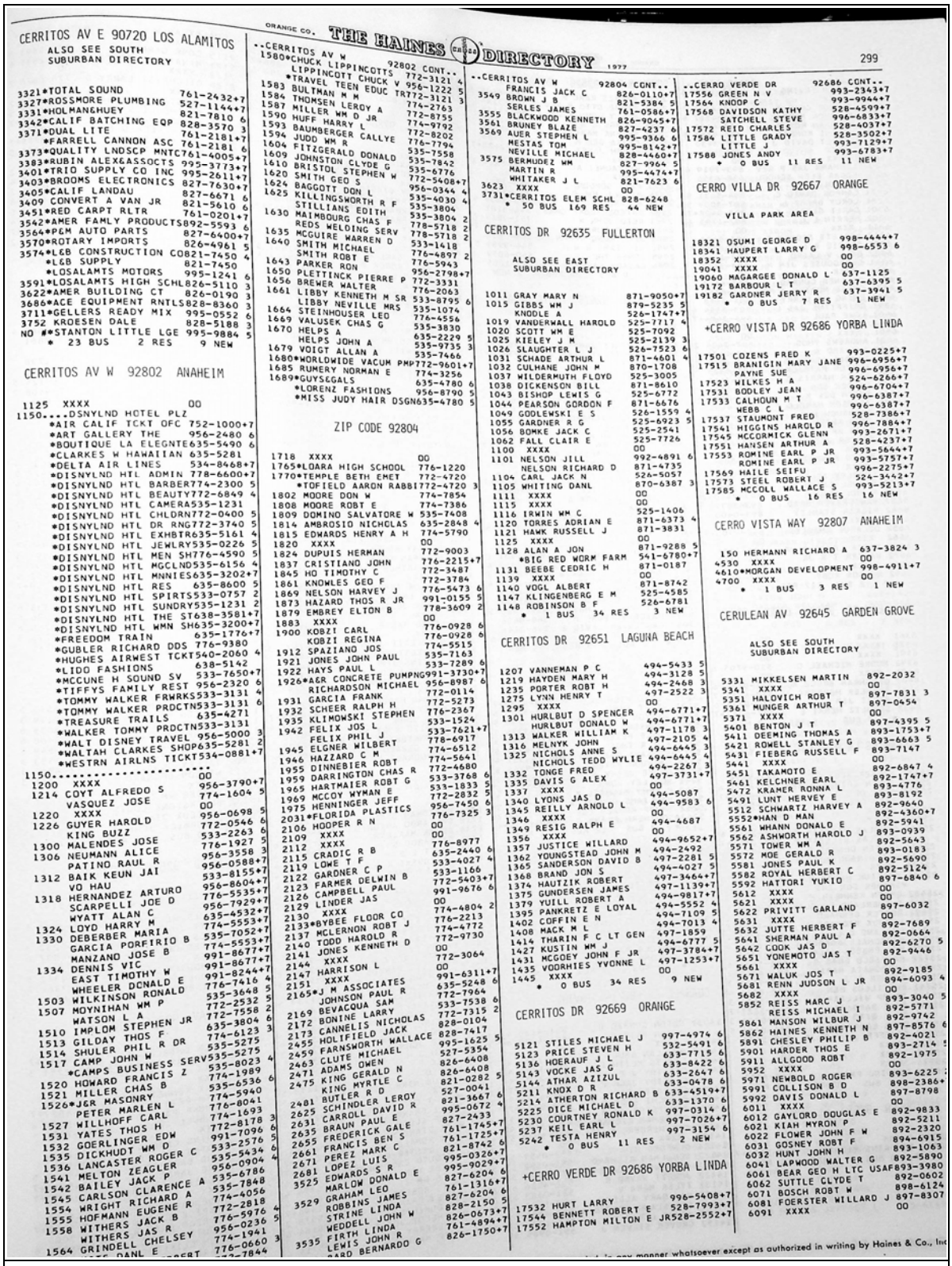
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CERRITOS AV E 90720 LOS ALAMITOS
ALSO SEE SOUTH SUBURBAN DIRECTORY

3321 *TOTAL SOUND 761-2432+7
3327 *ROSSMORE PLUMBING 527-1144+7
3331 *HOLMAN&HUEY 821-7810 6
3342 *CALIF BATCHING EQP 828-3570 3
3371 *DUAL LITE 761-2181+7
*FARRELL CANNON ASC 761-2181 6
3373 *QUALITY LNDSCP MNTC 761-4005+7
3383 *RUBIN ALEX&ASSOCTS 995-3773+7
3401 *TRIO SUPPLY CO INC 995-2611+7
3403 *BROOMS ELECTRONICS 827-7630+7
3405 *CALIF LANDAU 827-6671 6
3409 CONVERT A VAN JR 821-5610 6
3451 *RED CARPT RLTR 761-0201+7
3542 *AMER FAMLY PRODUCTS 892-5593 6
3564 *P&M AUTO PARTS 827-6400+7
3570 *ROTARY IMPORTS 826-4961 5
3574 *L&B CONSTRUCTION CO 821-7450 4
*L&B SUPPLY 821-7450
*LOSALAMTS MOTORS 995-1241 6
3591 *LOSALAMTS HIGH SCHL 826-5110 3
3622 *AMER BUILDING CT 826-0190 3
3686 *ACE EQUIPMENT RNTLS 828-8360 3
3711 *GELLERS READY MIX 995-0552 6
3752 KROESEN DALE 828-5188 3
NO #*STANTON LITTLE LGE 995-9884 5
* 23 BUS 2 RES 9 NEW

CERRITOS AV W 92802 ANAHEIM

1125 XXXX 00
1150....DSNYLND HTL PLZ
*AIR CALIF TCKT OFC 752-1000+7
*ART GALLERY THE 956-2480 6
*BOUTIQUE LA ELEGNTE 635-5490 6
*CLARKES W HAWAIIAN 635-5281
*DELTA AIR LINES 534-8468+7
*DISNYLND HTL ADMIN 778-6600+7
*DISNYLND HTL BARBER 774-2300 5
*DISNYLND HTL BEAUTY 772-6849 4
*DISNYLND HTL CAMERA 535-1231
*DISNYLND HTL CHLDRN 772-0400 5
*DISNYLND HTL DR RNG 772-3740 5
*DISNYLND HTL EXHBTR 635-5161 4
*DISNYLND HTL JEWLRY 535-0226 5
*DISNYLND HTL MEN SH 776-4590 5
*DISNYLND HTL MGCLND 535-6156 4
*DISNYLND HTL MNNIES 635-3202+7
*DISNYLND HTL RES 635-8600 5
*DISNYLND HTL SPIRTS 533-0757 2
*DISNYLND HTL SUNDRY 535-1231 2
*DISNYLND HTL THE ST 638-3581+7
*DISNYLND HTL WMN SH 635-3200+7
*FREEDOM TRAIN 635-1776+7
*GUBLER RICHARD DDS 776-9380
*HUGHES AIRWEST TCKT 540-2060 4
*LIDO FASHIONS 638-5142
*MCCUNE H SOUND SV 533-7650+7
*TIFFYS FAMILY REST 956-2320 6
*TOMMY WALKER FRWRKS 533-3131 4
*TOMMY WALKER PRDCTN 533-3131 6
*TREASURE TRAILS 635-4271
*WALKER TOMMY PRDCTN 533-3131
*WALT DISNEY TRAVEL 956-5000 3
*WALTAH CLARKES SHOP 635-5281 2
*WESTRN AIRLNS TICKT 534-0881+7
1150.....
1200 XXXX 00
1214 COYT ALFREDO S 956-3790+7
VASQUEZ JOSE 774-1604 5
1220 XXXX 00
1226 GUYER HAROLD 956-0698 5
KING BUZZ 772-0546 6
1300 MALENDES JOSE 533-2263 6
1306 NEUMANN ALICE 776-1927 5
PATINO RAUL R 956-3558 3
1312 BAIK KEUN JAI 956-0588+7
VO HAU 533-8155+7
1318 HERNANDEZ ARTURO 956-8604+7
SCARPELLI JOE D 776-5535+7
WYATT ALAN C 956-7929+7
1324 LOYD HARRY M 635-4532+7
1330 DEBERBER MARIA 774-5553+7
GARCIA PORFIRIO B 535-7052+7
MANZANO JOSE B 774-5553+7
1334 DENNIS VIC 991-8677+7
EAST TIMOTHY W 991-8677+7
WHEELER DONALD E 991-8244+7
1503 WILKINSON RONALD 776-7416 4
1507 MOYNIHAN WM P 535-3648 5
WATSON L A 772-2532 5
1510 IMPLOM STEPHEN JR 772-7558 2
1513 GILDAY THOS F 635-3804 6
1514 SHULER PHIL R DR 774-6123 3
1517 CAMP JOHN W 535-5275
*CAMPS BUSINESS SERV 535-5275
1520 HOWARD FRANCIS Z 535-8023 4
1521 MILLER CHAS B 774-1989 6
1526 *J&R MASONRY 535-6536 6
PETER MARLEN L 774-5940
1527 WILLHOFF CARL 776-8041
1531 YATES THOS H 774-1693
1532 GOERLINGER EDW 772-8178 3
1535 DICKHUDT WM D 991-7096 6
1536 LANCASTER ROGER C 533-2576 5
1541 MELTON ZEAGLER 535-5434 6
1542 BAILEY JACK P 956-0904 4
1545 CARLSON CLARENCE A 535-6786
1554 WRIGHT RICHARD A 535-7848
1555 HOFMANN EUGENE R 774-4056
1558 WITHERS JACK B 772-2818 4
WITHERS JAS R 776-5976 5
WITHERS CHELSEY 956-0236 5
1564 GRINDELL E 774-1941
DANL E 776-0660 3
ROBT 772-7844

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..CERRITOS AV W 92802 CONT..
1580 *CHUCK LIPPINCOTTS 772-3121 4
LIPPINCOTT CHUCK V 956-1222 5
*TRAVEL TEEN EDUC TR 772-3121 3
1583 BULTMAN M M 774-2763
1584 THOMSEN LEROY A 772-8755
1587 MILLER WM D JR 774-9792
1590 HUFF HARRY L 772-8202
1593 BAUMBERGER CALLYE 776-7794
1594 JUDD WM R 535-7558
1604 FITZGERALD DONALD 535-7842
1609 JOHNSTON CLYDE G 535-6776
1610 BRISTOL STEPHEN W 772-5408+7
1620 SMITH GEO S 956-0344 4
1624 BAGGOTT DON L 535-4030 4
1625 KILLINGSWORTH R F 535-3804
STILLIANS EDITH 535-3804 2
1630 MAIMBOURG CHAS F 778-5718 2
REDS WELDING SERV 778-5718 2
1635 MCGUIRE WAREN D 533-1418
1640 SMITH MICHAEL 776-4897 2
SMITH ROBT E 776-5943
1643 PARKER RON 956-2798+7
1650 PLETTINCK PIERRE P 772-3331
1656 BREWER WALTER 776-2063
1661 LIBBY KENNETH M SR 533-8795 6
LIBBY NEVILLE MRS 535-1074
1664 STEINHOUSER LEO 776-4556
1669 VALUSEK CHAS G 535-3830
1670 HELPS A 635-2229 5
HELPS JOHN A 535-9735 3
1679 VOIGT ALLAN A 535-7466
1680 *WORLDWIDE VACUM PMP 772-9601+7
1685 RUMERY NORMAN E 774-3256
1689 *GUYS&GALS 635-4780 6
*LORENZ FASHIONS 956-8790 5
*MISS JUDY HAIR DSGN 635-4780 5

ZIP CODE 92804

1718 XXXX 00
1765 *LOARA HIGH SCHOOL 776-1220
1770 *TEMPLE BETH EMET 772-4720
*TOFIELD AARON RABBI 772-4720 3
1802 MOORE DON W 774-7854
1808 MOORE ROBT E 774-7386
1809 DOMINO SALVATORE W 535-7408
1814 AMBROSIO NICHOLAS 635-2848 4
1815 EDWARDS HENRY A H 774-5790
1820 XXXX 00
1824 DUPUIS HERMAN 772-9003
1837 CRISTIANO JOHN 776-2215+7
1845 HO TIMOTHY C 772-3487
1861 KNOWLES GEO F 772-3784
1869 NELSON HARVEY J 776-5473 6
1873 HAZARD THOS R JR 991-0155 5
1879 EMBREY ELTON B 778-3609 2
1883 XXXX 00
1900 KOBZI CARL 776-0928 6
KOBZI REGINA 776-0928 6
1912 SPAZIANO JOS 774-5515
1921 JONES JOHN PAUL 535-7163
1922 HAYS PAUL L 533-7289 6
1926 *A&R CONCRETE PUMPNG 991-3730+7
RICHARDSON MICHAEL 956-8987 6
1931 GARCIA FRANK 772-0114
1932 SCHEER RALPH H 772-5273
1935 KLIMOWSKY STEPHEN 776-2367
1942 FELIX JOS L 533-1524
FELIX PHIL J 533-7621+7
1945 ELGNER WILBERT 778-6917
1946 HAZZARD C M 774-6512
1955 DINNEBIER ROBT 774-5641
1959 DARRINGTON CHAS R 772-4680
1965 HARTMAIER ROBT G 533-3768 6
1969 MCCOY WYMAN E 533-1833 5
1975 HENNINGER JEFF 772-2832 5
2031 *FLORIDA PLASTICS 956-7450 6
2106 HOOPER R N 776-7325 3
2109 XXXX 00
2112 XXXX 00
2115 CRADIC R B 776-8977
2119 LOWE T F 635-2440 6
2122 GARDNER C P 533-4027 4
2123 FARMER DELWIN B 533-1166
2126 CAMPBELL PAUL 772-5403+7
2129 LINDER JAS 991-9676 6
2130 XXXX 00
2133 *BYBEE FLOOR CO 774-4804 2
2137 MCLERNON ROBT J 776-2213
2140 TODD HAROLD R 774-4772
2141 JONES KENNETH D 772-9730
2144 XXXX 00
2147 HARRISON L 772-3064
2151 XXXX 00
2165 *J M ASSOCIATES 991-6311+7
JOHNSON PAUL R 635-5248 6
2169 BEVACQUA SAM 772-7964
2172 BONINE LARRY 533-7538 6
2173 CANNELIS NICHOLAS 772-7315 2
2455 HOLIFIELD JACK 828-0104
2459 FARNSWORTH WALLACE 828-7417
2463 CLUTE MICHAEL 995-1625 5
2471 ADAMS OWEN 527-5354
2475 KING GERALD N 826-6408 5
KING MYRTLE C 826-6408
2481 BUTLER R D 821-0282 5
2625 SCHINDLER LEROY 527-0041
2631 CARROLL DAVID R 821-3667 6
2635 BRAUN PAUL E 995-0672 4
2655 FREDERICK GALE 827-2433
2661 FRANCIS BEN S 761-1745+7
2671 PEREZ MARK C 761-1725+7
2681 LOPEZ LUIS 821-8742 6
3525 EDWARDS S R 995-0326+7
MARLOW DONALD E 995-9029+7
3529 GRAHAM LEO 827-6204 6
ROBBINS JAMES 761-1316+7
STRINE LINDA 827-6204 6
WEDDELL JOHN W 828-2150 5
3535 FIRTH LINDA 826-0673+7
LEWIS JOHN R 761-4894+7
BARD BERNARDO G 826-1750+7

..CERRITOS AV W 92804 CONT..
3549 FRANCIS JACK C 826-0110+7
BROWN J B 821-5384 5
SERLES JAMES 761-0586+7
3555 BLACKWOOD KENNETH 826-9045+7
3561 BRUNEY BLAZE 827-4237 6
3569 AUER STEPHEN L 995-9366 6
MESTAS TOM 995-8142+7
NEVILLE MICHAEL 828-4460+7
3575 BERMUDEZ WM 827-9964 5
MARTIN R 995-4674+7
WHITAKER J L 821-7623 6
3623 XXXX 00
3731 *CERRITOS ELEM SCHL 828-6248
* 50 BUS 169 RES 44 NEW

CERRITOS DR 92635 FULLERTON

ALSO SEE EAST SUBURBAN DIRECTORY

1011 GRAY MARY N 871-9050+7
1015 GIBBS WM J 879-5235 5
KNODLE A 526-1747+7
1019 VANDERWALL HAROLD 525-7717 4
1020 SCOTT WM E 525-7092
1025 KIELEY J M 525-2139 3
1026 SLAUGHTER L J 526-7523 6
1031 SCHADE ARTHUR L 871-4601 4
1032 CULHANE JOHN M 870-1708
1037 WILDERMUTH FLOYD 525-3005
1038 DICKENSON BILL 871-8610
1043 BISHOP LEWIS G 525-6772
1044 PEARSON GORDON F 871-6676
1049 GODLEWSKI E S 526-1559 4
1055 GARDNER R G 525-6923 5
1056 BOMKE JACK C 525-2541
1062 FALL CLAIR E 525-7726
1100 XXXX 00
1101 NELSON JILL 992-4891 6
NELSON RICHARD D 871-4735
1104 CARL JACK N 526-5057
1105 WHITING DANL 870-6387 3
1111 XXXX 00
1115 XXXX 00
1116 IRWIN WM C 525-1406
1120 TORRES ADRIAN E 871-6373 4
1121 HAWK RUSSELL J 871-3831
1125 XXXX 00
1128 ALAN A JON 871-9288 5
*BIG RED WORM FARM 541-6780+7
1131 BEEBE CEDRIC H 871-0187
1139 XXXX 00
1140 VOGL ALBERT 871-8742
1147 KLINGENBERG E M 525-4585
1148 ROBINSON B F 526-6781
* 1 BUS 34 RES 3 NEW

CERRITOS DR 92651 LAGUNA BEACH

1207 VANNEMAN P C 494-5433 5
1219 HAYDEN MARY H 494-3128 5
1235 PORTER ROBT H 494-2468 3
1275 LYNN HENRY T 497-2522 3
1295 XXXX 00
1301 HURLBUT D SPENCER 494-6771+7
HURLBUT DONALD W 494-6771+7
1313 WALKER WILLIAM K 497-1178 3
1316 MELNYK JOHN 497-2105 4
1325 NICHOLS ANNE S 494-6445 3
NICHOLS TEDD WYLIE 494-6445 4
1332 TONGE FRED 494-2267 3
1335 DAVIS G ALEX 497-3731+7
1337 XXXX 00
1340 LYONS JAS D 494-5087
1345 REILLY ARNOLD L 494-9583 6
1346 XXXX 00
1349 RESIG RALPH E 494-4687
1356 XXXX 00
1357 JUSTICE WILLARD 494-9652+7
1362 YOUNGSTEAD JOHN M 494-2492
1365 SANDERSON DAVID B 497-2281 5
1368 BRAND JON S 494-4027 5
1374 HAUTZIK ROBERT 497-3464+7
1375 GUNDERSEN JAMES 497-1139+7
1379 YUILL ROBERT A 494-9817+7
1395 PANKRETZ E LOYAL 494-5552 4
1402 COFFIN E N 494-7109 5
1408 MACK M L 494-7013 4
1414 THARIN F C LT GEN 497-1859
1427 KUSTIN WM J 494-6777 5
1431 MCGOEY JOHN F JR 497-3784+7
1435 VOORHIES YVONNE L 497-1253+7
1445 XXXX 00
* 0 BUS 34 RES 9 NEW

CERRITOS DR 92669 ORANGE

5121 STILES MICHAEL J 997-4974 6
5123 PRICE STEVEN H 532-5491 6
5136 HOERAUF J L 633-7715 6
5143 VOCKE JAS G 633-8422 6
5144 ATHAR AZIZUL 633-2647 6
5211 KNOX D R 633-0478 6
5214 ATHERTON RICHARD B 633-4519+7
5225 DICE MICHAEL D 633-1370 6
5230 COURTNEY RONALD K 997-0314 6
5237 KEIL EARL L 997-7026+7
5242 TESTA HENRY 997-3154 6
* 0 BUS 11 RES 2 NEW

+CERRO VERDE DR 92686 YORBA LINDA

17532 HURT LARRY 996-5408+7
17544 BENNETT ROBERT E 528-7993+7
17552 HAMPTON MILTON E JR 528-2552+7

..CERRO VERDE DR 92686 CONT..
17556 GREEN N V 993-2343+7
17564 KNOOP C 993-9944+7
17568 DAVIDSON KATHY 528-4599+7
SATCHELL STEVE 996-6833+7
17572 REID CHARLES 528-4037+7
17584 LITTLE GRADY 528-3502+7
LITTLE J 993-7129+7
17588 JONES ANDY 993-6783+7
* 0 BUS 11 RES 11 NEW

CERRO VILLA DR 92667 ORANGE

VILLA PARK AREA

18321 OSUMI GEORGE D 998-4444+7
18341 HAUPERT LARRY G 998-6553 6
18352 XXXX 00
19041 XXXX 00
19060 MAGARGEE DONALD L 637-1125
19172 BARBOUR L T 637-6395 5
19182 GARDNER JERRY R 637-3941 5
* 0 BUS 7 RES 1 NEW

+CERRO VISTA DR 92686 YORBA LINDA

17501 COZENS FRED K 993-0225+7
17515 BRANIGIN MARY JANE 996-6956+7
PAYNE SUE 996-6956+7
17523 WILKES M A 524-6266+7
17531 BODLEY JEAN 996-6704+7
17533 CALHOUN M T 996-6387+7
WEBB C L 996-6387+7
17537 STAUMONT FRED 528-7386+7
17541 HIGGINS HAROLD R 996-7884+7
17545 MCCORMICK GLENN 993-2671+7
17551 HANSEN ARTHUR A 528-4237+7
17553 ROMINE EARL P JR 993-5644+7
ROMINE EARL P JR 993-5757+7
17569 HALLE SEIFU 996-2275+7
17573 STEEL ROBERT J 524-3442+7
17585 MCCOLL WALLACE S 993-5213+7
* 0 BUS 16 RES 16 NEW

CERRO VISTA WAY 92807 ANAHEIM

150 HERMANN RICHARD A 637-3824 3
4530 XXXX 00
4610 *MORGAN DEVELOPMENT 998-4911+7
4700 XXXX 00
* 1 BUS 3 RES 1 NEW

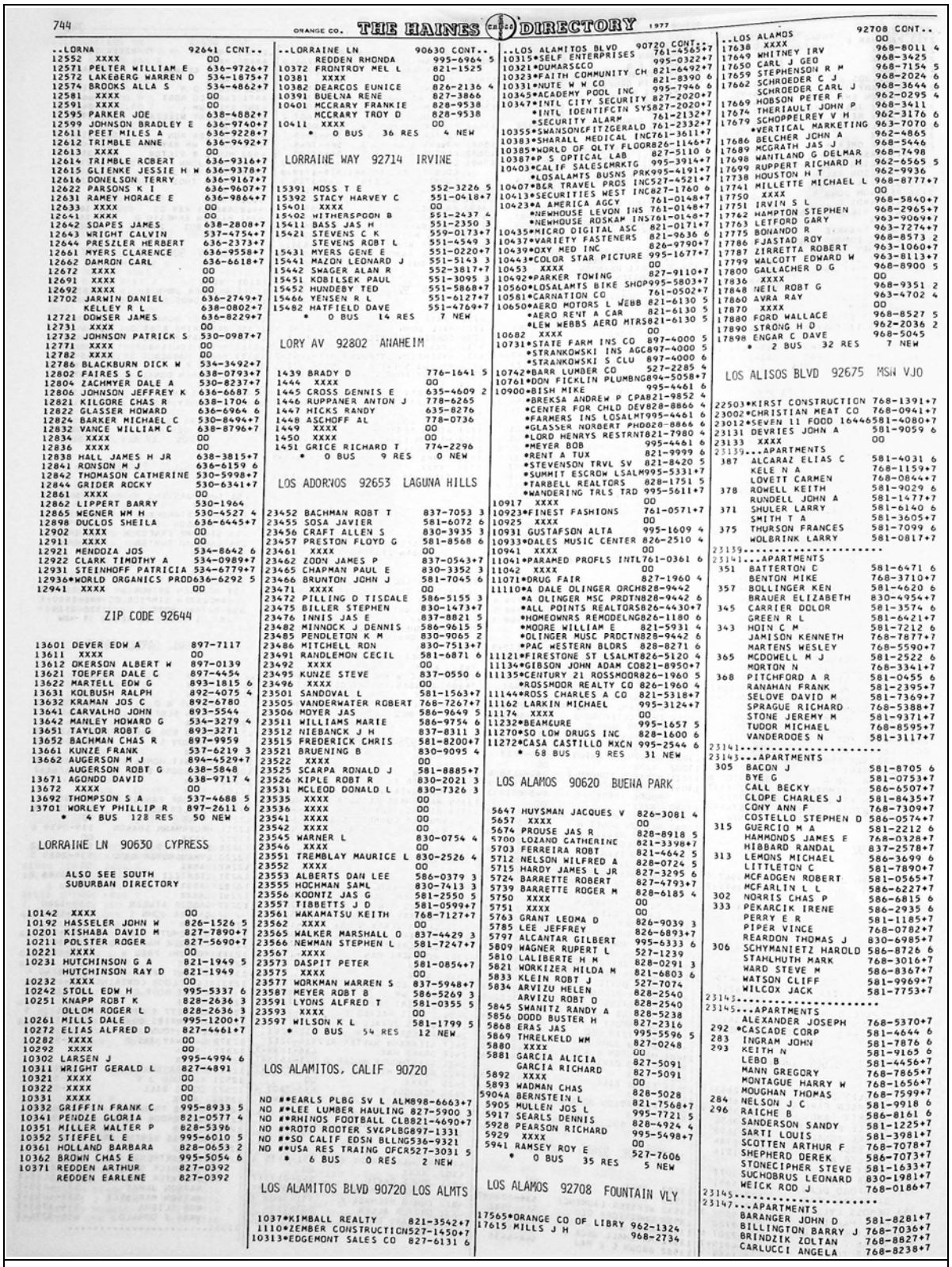
CERULEAN AV 92645 GARDEN GROVE

ALSO SEE SOUTH SUBURBAN DIRECTORY

5331 MIKKELSEN MARTIN 892-2032
5341 XXXX 00
5351 HALOVICH ROBT 897-7831 3
5361 MUNGER ARTHUR T 897-0454
5371 XXXX 00
5401 BENTON J T 897-4395 5
5411 DEEMING THOMAS A 893-1753+7
5421 ROWELL STANLEY G 893-6663 5
5431 FIEBERG RUSSELL F 893-7147
5441 XXXX 00
5451 TAKAMOTO E 892-6847 4
5461 KELCHNER EARL 892-1747+7
5472 KRAMER RONNA L 893-4776
5491 LUNT HERVEY E 893-8192
5512 SCHWARTZ HARVEY A 892-9640
5552 *HAN D MAN 892-4360+7
5561 WHANN DONALD E 892-5941
5562 ASHWORTH HAROLD J 893-0939
5571 TOWER WM A 892-5643
5572 MOE GERALD R 893-0183
5581 JONES PAUL K 892-5690
5582 ROYAL HERBERT C 892-5124
5592 HATTORI YUKIO 897-6840 6
5612 XXXX 00
5621 XXXX 00
5622 PRIVITT GARLAND 897-6032
5631 XXXX 00
5632 JUTTE HERBERT F 892-7689
5641 SHERMAN PAUL A 892-0664
5642 COOK JAS D 892-6270 5
5651 YONEMOTO JAS T 892-9446
5661 XXXX 00
5671 WALUK JOS T 892-9185
5681 RENN JUDSON L JR 894-6093 4
5682 XXXX 00
5852 REISS MARC J 893-3040 5
REISS MICHAEL I 892-5771
5861 MANSON WILBUR J 892-9742
5862 HAINES KENNETH N 897-8576 6
5891 CHESLEY PHILIP B 892-4021
5901 HARDER THOS E 893-2714
5911 ALLGOOD ROBT 892-1975
5952 XXXX 00
5971 NEWBOLD ROGER 893-6225
5991 COLLISON B D 898-2386+
5992 DAVIS DONALD L 897-8798
6011 XXXX 00
6012 GAYLORD DOUGLAS E 892-9833
6021 KIAH MYRON P 892-5211
6022 FLOWER JOHN F W 892-2320
6031 GOSNEY ROBT F 894-6915
6032 HUNT JOHN H 893-1063
6041 LAPWOOD WALTER G 892-5890
6061 BEAR GEO H LTC USAF 893-3980
6062 SUTTLE CLYDE T 892-0602
6071 BOSCH ROBT W 898-6124
6081 FOERSTER WILLARD J 897-8307
6091 XXXX 00

...in any manner whatsoever except as authorized in writing by Haines & Co., Inc

1977 (Subject) 3591 West Cerritos Ave.



744 ORANGE CO. THE HAINES DIRECTORY 1977

..LORNA 92641 CONT..
12552 XXXX 00
12571 PELTER WILLIAM E 636-9726+7
12572 LAKEBERG WARREN D 534-1875+7
12574 BROOKS ALLA S 534-4862+7
12581 XXXX 00
12591 XXXX 00
12595 PARKER JOE 638-4882+7
12599 JOHNSON BRADLEY E 636-9740+7
12611 PEET MILES A 636-9228+7
12612 TRIMBLE ANNE 636-9492+7
12613 XXXX 00
12614 TRIMBLE ACBERT 636-9316+7
12615 GLIENKE JESSIE H W 636-9378+7
12616 DONELSON TERRY 636-9167+7
12622 PARSONS K I 636-9607+7
12631 RAMEY HORACE E 636-9864+7
12633 XXXX 00
12641 XXXX 00
12642 SOAPES JAMES 638-2808+7
12643 WRIGHT CALVIN 537-4754+7
12644 PRESZLER HERBERT 636-2373+7
12661 MYERS CLARENCE 636-9558+7
12662 DAMRON CARL 636-6618+7
12672 XXXX 00
12691 XXXX 00
12692 XXXX 00
12702 JARMIN DANIEL 636-2749+7
KELLEY R L 638-0802+7
12721 DOWSER JAMES 636-8229+7
12731 XXXX 00
12732 JOHNSON PATRICK S 530-0987+7
12771 XXXX 00
12782 XXXX 00
12786 BLACKBURN DICK W 534-3492+7
12802 FAIRES S C 638-0793+7
12804 ZACHMYER DALE A 530-8237+7
12806 JOHNSON JEFFREY K 636-6687 5
12821 KILGORE CHAS R 638-1704 6
12822 GLASSER HOWARD 636-6964 6
12824 BARKER MICHAEL C 530-8494+7
12832 VANCE WILLIAM C 638-8796+7
12834 XXXX 00
12836 XXXX 00
12838 HALL JAMES H JR 638-3815+7
12841 RONSON M J 636-6159 6
12842 THOMASON CATHERINE 530-5998+7
12844 GRIDER ROCKY 530-6341+7
12861 XXXX 00
12862 LIPPERT BARRY 530-1964
12865 WEGNER WM H 530-4527 4
12898 DUCLOS SHEILA 636-6445+7
12902 XXXX 00
12911 XXXX 00
12921 MENDOZA JOS 534-8642 6
12922 CLARK TIMOTHY A 534-0989+7
12931 STEINHOFF PATRICIA 534-6779+7
12936*WORLD ORGANICS PROD 636-6292 5
12941 XXXX 00

ZIP CODE 92644

13601 DEVER EDW A 897-7117
13611 XXXX 00
13612 OKERSON ALBERT W 897-0139
13621 TOEPFER DALE C 897-4454
13622 MARTELL EDW G 893-1815 6
13631 KOLBUSH RALPH 892-4075 4
13632 KRAMAN JOS C 892-6780
13641 CARVALHO JOHN 893-5544
13642 MANLEY HOWARD G 534-3279 4
13651 TAYLOR ROBT G 893-3271
13652 BACHMAN CHAS R 897-9959
13661 KUNZE FRANK 537-6219 3
13662 AUGERSON M J 894-4529+7
AUGERSON ROBT G 638-5848
13671 AGONDO DAVID 638-9717 4
13672 XXXX 00
13692 THOMPSON S A 537-4688 5
13701 WORLEY PHILLIP R 897-2611 6
* 4 BUS 128 RES 50 NEW

LORRAINE LN 90630 CYPRESS

ALSO SEE SOUTH
SUBURBAN DIRECTORY

10142 XXXX 00
10192 HASSELER JOHN W 826-1526 5
10201 KISHABA DAVID M 827-7890+7
10211 POLSTER ROGER 827-5690+7
10221 XXXX 00
10231 HUTCHINSON G A 821-1949 5
HUTCHINSON RAY D 821-1949
10232 XXXX 00
10242 STOLL EDW H 995-5337 6
10251 KNAPP ROBT K 828-2636 3
OLLOM ROGER L 828-2636 3
10261 MILLS DALE 995-1200+7
10272 ELIAS ALFRED D 827-4461+7
10282 XXXX 00
10292 XXXX 00
10302 LARSEN J 995-4994 6
10311 WRIGHT GERALD L 827-4891
10321 XXXX 00
10322 XXXX 00
10331 XXXX 00
10332 GRIFFIN FRANK C 995-8933 5
10341 PENDZE GLORIA 821-0577 4
10351 MILLER WALTER P 628-5396
10352 STIEFEL L E 995-6010 5
10361 HOLLAND BARBARA 828-0653 2
10362 BROWN CHAS E 995-5054 6
10371 REDDEN ARTHUR 827-0392
REDDEN EARLENE 827-0392

..LORRAINE LN 90630 CONT..
REDDEN RHONDA 995-6964 5
10372 FRONTROY MEL L 821-1525
10381 XXXX 00
10382 DEARCOS EUNICE 826-2136 4
10391 BUELNA RENE 827-3866
10401 MCCRARY FRANKIE 828-9538
MCCRARY TROY D 828-9538
10411 XXXX 00
* 0 BUS 36 RES 4 NEW

LORRAINE WAY 92714 IRVINE

15391 MOSS T E 552-3226 5
15392 STACY HARVEY C 551-0418+7
15401 XXXX 00
15402 WITHERSPOON B 551-2437 4
15411 BASS JAS H 551-2350 3
15421 STEVENS C K 559-0173+7
STEVENS ROBT L 551-4549 3
15431 MYERS GENE E 551-0220+7
15441 MAZON LEONARD J 551-5143 3
15442 SWAGER ALAN R 552-3817+7
15451 KOBILSEK PAUL 551-3095 3
15452 HUNDEBY TED 551-5868+7
15466 YENSEN R L 551-6127+7
15482 HATFIELD DAVE 551-4769+7
* 0 BUS 14 RES 7 NEW

LORY AV 92802 ANAHEIM

1439 BRADY D 776-1641 5
1444 XXXX 00
1445 CROSS DENNIS E 635-4609 2
1446 RUPPANER ANTON J 778-6265
1447 HICKS RANDY 635-8276
1448 ASCHOFF AL 778-0736
1449 XXXX 00
1450 XXXX 00
1451 GRICE RICHARD T 774-2296
* 0 BUS 9 RES 0 NEW

LOS ADORNOS 92653 LAGUNA HILLS

23452 BACHMAN ROBT T 837-7053 3
23455 SOSA JAVIER 581-6072 6
23456 CRAFT ALLEN S 830-3935 3
23457 PRESTON FLOYD G 581-8568 6
23461 XXXX 00
23462 ZODN JAMES P 837-0543+7
23465 CHAPMAN PAUL E 830-3352 3
23466 BRUNTON JOHN J 581-7045 6
23471 XXXX 00
23472 PILLING D TISDALE 586-5155 3
23475 BILLER STEPHEN 830-1473+7
23476 INNIS JAS E 837-8821 5
23482 MCCOOK J DENNIS 586-9615 5
23485 PENDLETON K M 830-9065 2
23486 MITCHELL RON 830-7513+7
23491 RANDLEMON CECIL 581-6871 6
23492 XXXX 00
23495 KUNZE STEVE 837-0550 6
23496 XXXX 00
23501 SANDOVAL L 581-1563+7
23505 VANDERWATER ROBERT 768-7267+7
23506 MOYER JAS 586-9649 5
23511 WILLIAMS MARIE 586-9754 6
23512 NIEBANCK J H 837-8311 3
23515 FREDERICK CHRIS 581-8200+7
23521 BRUENING B 830-9095 4
23522 XXXX 00
23525 SCARPA RONALD J 581-8885+7
23526 KIPLE ROBT R 830-2021 3
23531 MCLEOD DONALD L 830-7326 3
23535 XXXX 00
23536 XXXX 00
23541 XXXX 00
23542 XXXX 00
23545 WARNER L 830-0754 4
23546 XXXX 00
23551 TREMBLAY MAURICE L 830-2526 4
23552 XXXX 00
23553 ALBERTS DAN LEE 586-0379 3
23555 HOCHMAN SAML 830-7413 3
23556 KOONTZ JAS G 581-2550 5
23557 TIBBETTS J D 581-0599+7
23561 WAKAMATSU KEITH 768-7127+7
23562 XXXX 00
23565 WALKER MARSHALL O 837-4429 3
23566 NEWMAN STEPHEN L 581-7247+7
23567 XXXX 00
23573 DASPIT PETER 581-0854+7
23575 XXXX 00
23577 WORKMAN WARREN S 837-5948+7
23587 MEYER ROBT B 586-5269 3
23591 LYONS ALFRED T 581-0355 5
23593 XXXX 00
23597 WILSON K L 581-1799 5
* 0 BUS 54 RES 12 NEW

LOS ALAMITOS, CALIF 90720

NO **EARLS PLBG SV L ALM 898-6663+7
NO **LEE LUMBER HAULING 827-5900 3
NO **RHINOS FOOTBALL CL 821-4690+7
NO **ROTO ROOTER SV&PLBG 897-1331
NO **SO CALIF EDSN BLLNG 536-9321
NO **USA RES TRAING OFC 527-3031 5
* 6 BUS 0 RES 2 NEW

LOS ALAMITOS BLVD 90720 LOS ALMTS

1037*KIMBALL REALTY 821-3542+7
1110*ZEMBER CONSTRUCTION 527-1450+7
10313*EDGEMONT SALES CO 827-6131 6

..LOS ALAMITOS BLVD 90720 CONT..
10315*SELF ENTERPRISES 761-4565+7
10321*DUMARS&CO 995-0322+7
10323*FAITH COMMUNITY CH 821-6492+7
10331*NUTE W W CO 821-8390 6
10345*ACADEMY POOL INC 995-7946 6
10347*INTL CITY SECURITY 827-2020+7
*INTL IDENTIFCTN SYS 827-2020+7
*INTL IDENTIFCTN SYS 761-2132+7
*SECURITY ALARM 761-2332+7
10355*SWANSONEFITZGERALD 761-3611+7
10383*SHARALL MEDICAL INC 761-3611+7
10385*WORLD OF OLTY FLOOR 826-1146+7
10387*P S OPTICAL LAB 827-5110 6
10403*CALIF SALES&MRKTG 995-3914+7
*LOSALAMTS BUSNS PRK 995-4191+7
10407*B&R TRAVEL PROS INC 527-4521+7
10413*SECURITIES WEST INC 827-1760 6
10423*A AMERICA AGCY 761-0148+7
*NEWHOUSE LEVON INS 761-0148+7
*NEWHOUSE ROSKAM INS 761-0148+7
10435*MICRO DIGITAL ASC 821-0171+7
10437*VARIETY FASTENERS 821-9636 6
10439*OXY MED INC 826-9790+7
10443*COLOR STAR PICTURE 995-1677+7
10453 XXXX 00
10492*PARKER TOWING 827-9110+7
10560*LOSALAMTS BIKE SHOP 995-5803+7
10581*CARNATION CO 761-0502+7
10650*AERO MOTORS L WEBB 821-6130 5
*AERO RENT A CAR 821-6130 5
*LEW WEBBS AERO MTRS 821-6130 5
10682 XXXX 00
10731*STATE FARM INS CO 897-4000 5
*STRANKOWSKI INS AGC 897-4000 5
*STRANKOWSKI S CLU 897-4000 6
10742*BARR LUMBER CO 527-2285 4
10761*DON FICKLIN PLUMBNG 894-5058+7
10900*BISH MIKE 995-4461 6
*BREKSA ANDREW P CPA 821-9852 4
*CENTER FOR CHLD DEV 828-8866 4
*FARMERS INS LOSALMT 995-4461 6
*GLASSER NORBERT PHD 828-8866 6
*LORD HENRYS RESTRNT 821-7980 4
*MEYER BOB 995-4461 6
*RENT A TUX 821-9999 6
*STEVENSON TRVL SV 821-8420 5
*SUMMIT ESCROW LSALM 995-5331+7
*TARBELL REALTORS 828-1751 5
*WANDERING TRLS TRD 995-5611+7
10917 XXXX 00
10923*FINEST FASHIONS 761-0571+7
10925 XXXX 00
10931 GUSTAFSON ALTA 995-1609 4
10933*DALES MUSIC CENTER 826-2510 4
10941 XXXX 00
11041*PAINED PROFLS INTL 761-0361 6
11042 XXXX 00
11071*DRUG FAIR 827-1960 4
11110*A DALE OLINGER ORCH 828-9442
*A OLINGER MSC PRDTN 828-9442 6
*ALL POINTS REALTORS 826-4430+7
*HOMEOWNRS REMODELNG 826-1180 6
*MOORE WILLIAM E 821-5931 6
*OLINGER MUSC PRDCTN 828-9442 6
*PAC WESTERN BLDRS 828-8271 6
11121*FIRESTONE ST LSALMT 826-5120 4
11134*GIBSON JOHN ADAM CO 821-8950+7
11135*CENTURY 21 ROSSMOOR 826-1960 5
*ROSSMOOR REALTY CO 826-1960 4
11144*ROSS CHARLES A CO 821-5318+7
11162 LARKIN MICHAEL 995-3124+7
11174 XXXX 00
11232*BEAM&URE 995-1657 5
11270*SO LOW DRUGS INC 828-1600 6
11272*CASA CASTILLO MXCN 995-2544 6
* 68 BUS 9 RES 31 NEW

LOS ALAMOS 90620 BUENA PARK

5647 HUYSMAN JACQUES V 826-3081 4
5657 XXXX 00
5674 PROUSE JAS R 828-8918 5
5700 LOZANO CATHERINE 821-3398+7
5703 FERREIRA ROBT 821-4642 5
5712 NELSON WILFRED A 828-0724 5
5715 HARDY JAMES L JR 827-3295 6
5724 BARRETTE ROBERT 827-4793+7
5739 BARRETTE ROGER M 828-6185 4
5750 XXXX 00
5751 XXXX 00
5763 GRANT LEONA D 826-9039 3
5785 LEE JEFFREY 826-6893+7
5797 ALCANTAR GILBERT 995-6333 6
5809 WAGNER RUPERT L 527-1239
5810 LALIBERTE H M 828-0291 3
5821 WORKIZER HILDA M 821-6803 6
5833 KLEIN ROBT J 527-7074
5834 ARVIZU HELEN 828-2540
ARVIZU ROBT D 828-2540
5845 SHANITZ RANDY A 828-5238
5856 DODD BUSTER H 827-2316
5868 ERAS JAS 995-5596 5
5869 THRELKELD WM 827-0248
5880 XXXX 00
5881 GARCIA ALICIA 827-5091
GARCIA RICHARD 827-5091
5892 XXXX 00
5893 WADMAN CHAS 828-5028
5904A BERNSTEIN L 821-7568+7
5905 MULLEN JOS L 995-7721 5
5917 SEARLS DENNIS 828-4924 4
5928 PEARSON RICHARD 995-5498+7
5929 XXXX 00
5941 RAMSEY ROY E 527-7606
* 0 BUS 35 RES 5 NEW

LOS ALAMOS 92708 FOUNTAIN VLY

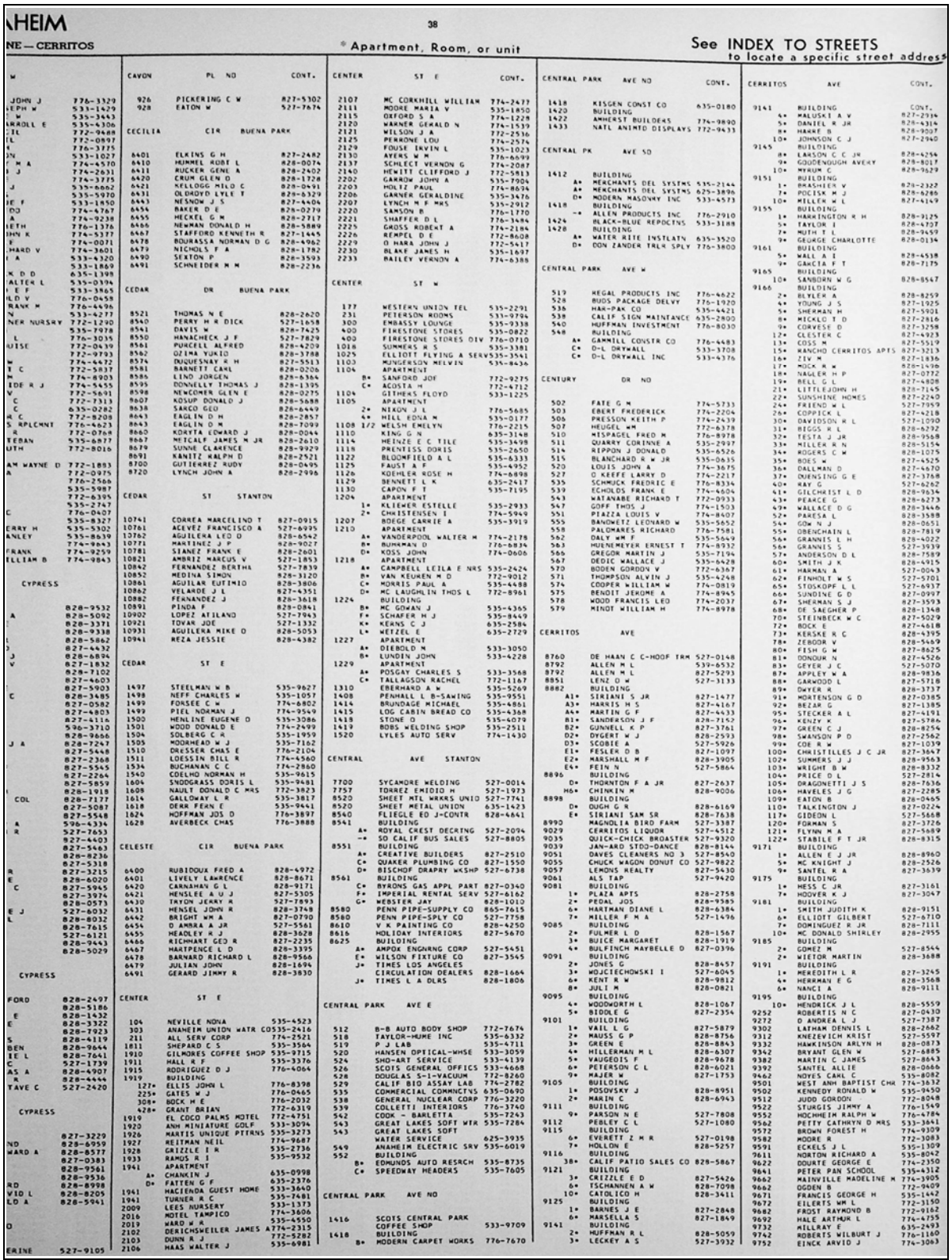
17565*ORANGE CO OF LIBRY 962-1324
17615 MILLS J H 968-2734

..LOS ALAMOS 92708 CONT..
00
17638 XXXX 968-8011 4
17649 WHITNEY IRV 968-3425
17650 CARL J GEO 968-7154 5
17659 STEPHENSON R M 968-2024 6
17662 SCHROEDER C J 968-3644 6
SCHROEDER CARL J 962-0295 4
17669 HOBSON PETER F 968-3411
17674 THERIAULT JOHN P 962-3176 6
17679 SCHOPPELREY V H 963-7070 6
*VERTICAL MARKETING 962-4865
17686 BELCHER JOHN A 968-5446
17689 MCGRATH JAS J 968-7498
17698 WANTLAND G DELMAR 962-6565 5
17699 RUPPERT RICHARD H 962-9936
17738 HOUSTON H T 968-8777+7
17741 MILLETTE MICHAEL L 00
17750 XXXX 968-5840+7
17751 IRVIN S L 968-2965+7
17762 HAMPTON STEPHEN 963-9069+7
17763 LETFORD GARY 963-7274+7
17775 BONANDO R 968-8573 2
17786 FJASTAD ROY 963-1060+7
17787 ZIRRETTA ROBERT 963-8113+7
17799 WALCOTT EDWARD W 968-8900 5
17800 GALLACHER D G 00
17836 XXXX 968-9351 2
17848 NEIL ROBT G 963-4702 4
17860 AVRA RAY 00
17870 XXXX 968-8527 5
17880 FORD WALLACE 962-2036 2
17890 STRONG H D 968-5045
17898 ENGAR C DAVE 7 NEW
* 2 BUS 32 RES

LOS ALISOS BLVD 92675 MSN VJO

22503*KIRST CONSTRUCTION 768-1391+7
23002*CHRISTIAN MEAT CO 768-0941+7
23012*SEVEN 11 FOOD 16446 581-4080+7
23131 DEVRIES JOHN A 581-9059 6
23133 XXXX 00
23139...APARTMENTS
387 ALCARAZ ELIAS C 581-4031 6
KELE N A 768-1159+7
LOVETT CARMEN 768-0844+7
378 ROWELL KEITH 581-9029 6
RUNDELL JOHN A 581-1477+7
371 SHULER LARRY 581-6140 6
SMITH T A 581-3605+7
375 THURSON FRANCES 581-7099 6
WOLBRINK LARRY 581-0817+7
23139.....
23141...APARTMENTS
351 BATTERTON C 581-6471 6
BENTON MIKE 768-3710+7
357 BOLLINGER KEN 581-4620 6
BRAUER ELIZABETH 830-4954+7
345 CARRIER DOLOR 581-3574 6
GREEN R L 581-6421+7
343 HOIN C M 581-7212 6
JAMISON KENNETH 768-7877+7
MARTENS WESLEY 768-5590+7
365 MCDOWELL M J 581-2522 6
MORTON N 768-3341+7
368 PITCHFORD A R 581-0455 6
RANAHAN FRANK 581-2395+7
SELOVE DAVID M 581-7369+7
SPRAGUE RICHARD 768-5388+7
STONE JEREMY M 581-9371+7
TUDOR MICHAEL 768-8595+7
VANDERDOES N 581-3117+7
23141.....
23143...APARTMENTS
305 BACON J 581-8705 6
BYE G 581-0753+7
CALL BECKY 586-6507+7
CLOPE CHARLES J 581-8435+7
CONY ANN F 768-7309+7
COSTELLO STEPHEN D 586-0574+7
315 GUERCIO M A 581-2212 6
HAMMONDS JAMES E 768-0328+7
HIBBARD RANDAL 837-2578+7
313 LEMONS MICHAEL 586-3699 6
LITTLETON C 581-7890+7
MCFADGEN ROBERT 581-0565+7
MCFARLIN L L 586-6227+7
302 NORRIS CHAS P 586-6815 6
333 PEKARCIK IRENE 586-2935 6
PERRY E R 581-1185+7
PIPER VINCE 768-0782+7
REARDON THOMAS J 830-6985+7
306 SCHYMANIETZ HAROLD 586-8726 6
STAHLHUTH MARK 768-3016+7
WARD STEVE M 586-8367+7
WATSON CLIFF 581-9969+7
WILCOX JACK 581-7753+7
23143.....
23145...APARTMENTS
ALEXANDER JOSEPH 768-5370+7
292 *CASCADE CORP 581-4644 6
283 INGRAM JOHN 581-7876 6
293 KEITH N 581-9165 6
LEBO B 581-4456+7
MANN GREGORY 768-7865+7
MONTAGUE HARRY W 768-1656+7
MOUGHAN THOMAS 768-7599+7
284 NELSON J C 581-9918 6
296 RAICHE B 586-8161 6
SANDERSON SANDY 581-1225+7
SARTI LOUIS 581-3981+7
SCOTTEN ARTHUR F 768-7078+7
SHEPHERD DEREK 586-7073+7
STONECIPHER STEVE 581-1633+7
SUCHOBRUS LEONARD 830-1981+7
WEICK ROD J 768-0186+7
23145.....
23147...APARTMENTS
BARANGER JOHN D 581-8281+7
BILLINGTON BARRY J 768-7036+7
BRINDZIK ZOLTAN 768-8827+7
CARLUCCI ANGELA 768-8238+7

1977 (Adjacent) 10400 Block of Los Alamitos Blvd.



\HEIM
NE — CERRITOS
38
* Apartment, Room, or unit
See INDEX TO STREETS to locate a specific street address

1964 (Subject) 3591 West Cerritos Ave.

CERRITOS AVE CONT.

9771	RUSSELL R R	776-5258
9772	APELAND E T	535-2721
9791	NUSSBAUMER JOS C	776-6154
9792	SHARROW K D	774-6943
9801	GEORGER ARTHUR	774-5901
9811	WHEELER L H	635-3278
9812	MILLER SAML H	772-4504
9831	JONES J HAYDEN	535-9724
9832	MULLEN RICHARD P	774-5441
9841	ADAMS M E	774-9391
9842	CURRAN JOHN F JR	772-7148
9851	HEADLEE RAY	772-4985
9852	ROME SAMUEL	535-4777
9861	FERGUSON MILTON S	533-3979
9862	LE BEAU DONALD	535-2656
9891	KLING DONALD L	533-4039
9901	BALDWIN J M	774-6355
9912	OUTLAW L E	635-0654
14552	DOUGLASS	538-2754
14552	DOUGLASS WM F	538-0752
14572	FLUOR RANCH	538-3624

CERRITOS AVE BUENA PARK

6051	ARZOLA GENARO	827-0524
6411	WICKHAM HOWARD J	828-4258
6443	HOBER A R	827-5765
6455	SMITH C A	827-3614
6491	BAKER H L	828-7180
6501	COCHRANE B	828-6322
6525	POTTER RALPH V	827-2639
6539	TAMAZAUSKAS A	828-6485
6551	HORCHAR JOHN	828-3819
6563	BAKER JAS JR	828-4816
6575	BLOOM WM A	828-3309

CERRITOS AVE CYPRESS

4321	LUTHERAN CHURCH	527-7225
4431	READ J-REALTY	828-8962
4435	J-J CLEANERS	827-5260
4441	CUPIDS PARLR-BTY SLN	827-2884
4453	HERALD-EXAMINER	527-6075
4455	BILLS SPORTING GOODS	828-6380
4461	U-TOTE M FOOD MARKET	527-9587
4801	FAIRWAY PARK	827-0760
4891	ROA A F	828-6678
5521	SPARKS EARL F	828-2992
5531	BELL ROBT L	828-2331
5532	HART D L	827-4809
5581	COLLINGS JOS D	828-4716
5591	GROSZ JAS	828-5978
5592	NORVELL JAMES	828-1053
5601	OFFICER WHITLEY P	828-8613
5641	SEIFERT LLOYD K SR	828-7011
5661	MUTT J A	527-4010
5681	PHELPS WM R	828-9619
5731	STEWART W R	828-2374
5931	ALS AUTO SUPPLY	827-4760
5935	CONN C R REALTY	527-8851
5939	DENHILL BOOKKPNG SRV	827-3470
5940	TURFSIDE LIQUOR	527-2350
5941	TONGA ROO COIFFURES	527-3774
5950	PETIES HSE-GLAMOUR	828-7652
5951	L-J AWNINGS	827-3452
5955	BROWNIES CLEANERS	827-1952
5960	UNICORN	527-3340
5961	U TOTEM FOOD MARKET	527-9256
5999	D-G UNION 76 SERV	828-8090
6612	BAROLDI THOS A	527-1980
6672	BAROLDI L	527-2789
6716	BAROLDI DAIRY FARM	527-1344
6802	CARNEI A S	827-3077
6822	YOUNG L	828-3331
6832	CO-ORDINATED REALTY	827-2490

CERRITOS AVE STANTON

7000	RALPHS CHEVRON SERV	827-0881
7042	O DONNELL G W DR	527-5200
7044	BORDEN M E	827-0634
7051	TRIAD BLDRS INC	827-5980
7062	REYNOLDS A M	527-1249
7064	COCHRAN F D	828-8920
7072	CLAY ESKIN L	527-1059
7102	BURKE C E	527-1607
7150	APARTMENT	
B•	SUTTON G K	828-0212
D•	WALTERS W S	828-5817
7160	APARTMENT	
B•	KING W N	527-5056
7171	STURDY R N	827-3351
7180	APARTMENT	
7181	KNIGHT C R	827-4292
7192	BUILDING	
B•	ATKINSON J D	527-7460
-•	BALDASSARRE ROCCO G	527-8586
7200	APARTMENT	
A•	CASTEEL L G	828-3256
7202	APARTMENT	
A•	J S RUBBER STAMPS	527-5389
C•	WAECHTER G	827-1288
7211	SIMPSON ALBERT M	828-3508
7231	HALL BILLY J	527-5046
7232	ADKISON N	828-7501
7232	HARRYS BARBER SHOP	527-9582
7232	VALS HAIR FASHIONS	527-9275
7262	WILKINSON D	827-5481
7272	LOWRY ROBT P REV	828-2783
7342	HANDICAP PRODUCTION	527-2784
7361	KINNER C D MRS	527-1338
7470	JERRYS DOUGLAS SERV	828-6012
7501	DAVIS DON L	527-3280
7511	RATZLAFF JOHN S	828-8127
7531	CRENSHAW SAM E	527-5098
7651	MIYAKE GEO A	828-8820
7651	MIYAKE G A	527-8438
7651	SAWADA-MIYAKE	527-1471
7652	KLEMM RALPH	828-1610
7791	SAVANNA SCHOOL	527-2248
7831	DICKENSON J	828-0793
7839	BUILDING	
B•	CLARK L	828-9485
7853	APARTMENT	
B•	FERNANDEZ G	527-7562
H•	KLISSNER H	828-2271
7861	PHILLIPS D E	527-1894
7879	CADY F W	828-9652
7881	LARSEN KENNETH	828-7805
7886	MATTHEWS JOE L	827-0679
7889	JON-CAR CONST CO	828-9470
7889	STANTON DISPOSAL	527-8383
7891	BUILDING	
7891	CORD CONSTR CO INC	828-9144
7891	LANSING CO INC	828-7360
7891	LANSING INVESTMENT	828-7486
7893	S-J DEVELOPMENT INC	527-2259
7895	UNIVERSAL DRY WALL	527-7721
7897	WATTS WESTERN INC	827-3330

CERRITOS AVE STANTON CONT.

7911	PETERSONS HBBY-RACNG	527-9861
7922	ORG CO-LIBRARY	828-3800
7932	GABE-GERRYS BRBR SHP	527-9979
7936	BEAUTY BAZAAR	527-1531
7941	COOLIDGE M K	527-1957
7952	BIG M AUTO SUPPLY	828-2880
8042	STANTON LUMBER CO	527-2501
8061	BUILDING	
1•	BARGAYO A	827-5663
27•	KLAPROTH J E	527-0052
8071	BUILDING	
51•	WILLIAMS D C	527-0291
61•	JONES E E	828-0276
8081	BUILDING	
75•	WALLACE E	828-2254
83•	HASSON L	527-8693
101•	STUFF C E	527-8611
8091	BUILDING	
109•	DAVEY S	827-4338
111•	BAUGH C E	527-5666
113•	FREDETTE R P	527-4694
125•	COLICCHIO M	828-3569
129•	SCHWARZ B J	827-1129
8101	BUILDING	
2•	CONTINENTAL GARDENS	828-1150
10•	RUSSELL L M	828-8845
32•	BLOCK M	527-1572
8111	BUILDING	
48•	NUUHIWA D K	828-5924
52•	TOMKO M A	827-1182
62•	INSLEY L G	827-1748
8121	BUILDING	
74•	LOMBARD K	828-2007
78•	BLAKELY M D	827-5350
80•	PUZIN R	827-3719
82•	WILLISON R D	828-8276
96•	KOCH F R	827-3336
98•	MARTIN J E	527-3557
106•	COSTELLO M	827-4575
8131	BUILDING	
112•	CONWAY J E	527-8621
114•	BOYARSKY D	828-8498
119•	LEWIS L	527-9634
122•	RAMIREZ R S	828-8410
132•	RETHMEIER D	828-8101
137•	GENTSCH T E	827-4707
8267	HALBROOK J	828-1220
8271	DUGAN R	828-7044
8281	MATHEWS S	828-6931
8291	STEVENS P	828-1259
8331	STOVER J E	828-7306
8372	HEITMILLER TRKY RNCH	527-1662
8501	U-TOTEM FOOD MKT	527-9514
8509	BETZ BROS MEATS	527-4385
8517	HY-TYPE CLEANERS	827-5870
8591	REINERTSON NORMAN	828-3935
8593	BUILDING	
1•	SCHWIND J G	827-5367
2•	QUINN T J	827-4893
3•	SANDOW R A	827-4749
4•	MOYER R F	527-5906
8611	APARTMENT	
B•	WALTERS D	828-9078
C•	KOONTZ E	828-8858
D•	FERRANTE PATSY	827-1795
E•	MURNEY M M	527-3709
8621	APARTMENT	
A•	NEUKIRCH EDITH L	527-7631
B•	MILLS G D	828-4233
E•	SMITH J D	828-1533
F•	NAEDO M	527-9632
8631	APARTMENT	
D•	CARR T M	827-4084
8641	APARTMENT	
A•	BALZER WALTER J	527-9147
B•	ZEMAN A G	527-7065
D•	ENOMOTO A	827-1042
E•	SMITH M E	827-1405
8661	APARTMENT	
B•	APHESSETCHE PIERRE	827-0981
C•	BLOSSEY G D	827-0373
8662	SO CALIF EDISON CO	527-1444
8671	APARTMENT	
1•	THOMAS V P	828-1776
6•	TURNER ROBT D	827-3525
8681	APARTMENT	
E•	MOLLOY B A	828-2485
F•	TUPPER A J	527-8531
8691	APARTMENT	
C•	FERNANDES C J	527-4229

CERRITOS AVE E

611	MONSANTO CO	772-2190
611	MONSANTO PACKGNG DIV	628-8191
805	PRESTON SCIENTIFIC	776-6400
901	MARK STEEL STAMP CO	776-4650
990	BAUMANN K	776-3662
1000	AMERICAN LACE PAPER	774-1400
1200	UNION CARBIDE CORP	628-4930
1200	UNION CARBIDE CORP	772-0751
1813	COLE C	772-4185
1814	BURGLIN ROBT E	772-1530
2201	NEVILLE CHEMICL CO	535-7296

CERRITOS AVE W

1125	DISNEYLAND DRVNG RNG	772-3740
1165	L A AIRWAYS INC	772-8380
1214	BUILDING	
B•	BRITE W	635-1546
D•	FRASCA R P	772-0772
1220	BUILDING	
1•	STOKER S	772-5263
2•	HOFMANN E R	535-6745
3•	GRIFFIN E H	776-8434
1226	BUILDING	
A•	MAINIER R	533-4662
C•	YERGER G	776-2542
1300	BUILDING	
D•	HENSON D E	635-1483
1306	BUILDING	
1312	BUILDING	
C•	MILLER E E	635-2148
1318	BUILDING	
A•	MESSENGER M	772-7055
D•	SMITH F W	535-9675
1324	BUILDING	
C•	ROBERTS F J JR	774-3169
D•	OAKLIEF S	776-7026
1330	BUILDING	
A•	FRICK J	776-7277
1334	BUILDING	
A•	COOPER K E	776-1197
C•	GARDEN GRV LANDSCAPE	772-7226
1503	JOHNSON D Q	772-6877
1504	SECHI SAM	772-1439
1507	WATSON JAS JR	772-2532
1510	IMPLOM STEPHEN JR	772-7558
1513	SEIGFRIED R	635-3804
1514	MC INROE ROBT	774-6956
1517	PERALTA MIKE	772-4397
1520	NELSON HOWARD R	772-2512
1521	MILLER CHARLES B	774-1989
1526	PETER M L	774-5940
1531	YATES THOS H	774-1693
1532	CASTETTER VERLIN	774-8198
1535	KROSP W D	772-2368
1536	DUNCAN W M	774-4269
1541	MITTEN RAYMOND L	774-7094
1545	CARLSON CLARENCE A	535-6786
1554	WRIGHT RICHARD A	535-7848
1555	CALLAHAN C H	774-8737
1558	WITHERS JACK B	772-2818
1564	FIELDER J T	772-9339
1565	KITE DANIEL E	774-1941
1570	SONTAG SAML	776-2343
1571	JUHL A G	772-7844
1574	SAUNDERS ERLE F	776-1739
1579	SMALL WALTER S	772-0658
1580	LITTLE WM D	776-4073
1583	BULTMAN CLYDE L	774-2763
1584	THOMSEN LEROY A	772-8755
1587	MILLER WILLIAM D JR	774-9792
1590	HUFF HARRY L	772-8202
1593	BAUMBERGER CALLYE R	776-7794
1594	HUTMACHER JOHN J	776-2627
1604	FITZGERALD D R	535-7842
1609	JOHNSTON C G	535-6776
1610	KERMES E	776-2279
1615	BOSWORTH WESLEY F DR	535-3737
1616	TAYLOR ALLYN B	774-6282
1620	JONES OLIVER L	535-0459
1624	BAGGOTT DON L	535-4030
1625	KILLINGSWORTH R	535-3804
1630	MOON CHARLES F JR	774-8330
1635	SEIFERT T-PIANO SERV	535-1011
1640	KELLAS BILL	535-0605
1643	MONTGOMERY J C	535-5939
1651	SMITH E E	535-4244
1656	BERGSTROM R C	772-2281
1661	LIBBY NEVILLE MRS	535-1074
1664	STEINHOUSER L	776-4556
1669	VALUSEK C G	535-3830
1670	FIEDLER A E	533-3254
1679	VOIGT A A	535-7466
1680	MAUS R C	774-0938
1685	KEENNON CHARLES R	774-2172
1689	HOLIDAY HAIR FASHIONS	535-7682
1718	RANNOW EDITH	535-7124
1765	LOARA HIGH SCHOOL	776-1220
1770	TEMPLE BETH EMET	772-4720
1802	MOORE DONW	774-7854
1803	SCHROLL J E	533-4236
1808	MOORE ROBT E	774-7386
1809	KRAJACIC JOHN	772-6308
1815	EDWARDS HENRY A HANK	774-5790
1824	DUPUIS HERMAN	772-9003
1837	JACKS LANDSCAPING	776-2839
1845	HO TIMOTHY C	772-3487
1861	KNOWLES GEO F	772-3784
1869	KESSLER M A	772-8271
1873	ELLIS ALVIN	772-6347
1879	COOK ROBT W	772-8721
1883	BYRNES A CARL MRS	774-0274
1912	SPAZIANO JOS	774-5515
1916	IVY GERALD R	776-2148
1921	JONES JOHN PAUL	535-7163
1922	RICHARDSON W L	776-5894
1926	DORDINE JOS L	774-7458
1932	SCHEER RALPH H	772-5273
1935	KLIMOWSKI STEPHEN	776-2367
1936	MEYERS WESSEL H	774-0986
1942	FELIX JOS L	533-1524
1945	AMYX A D	776-5947
1946	D AGOSTINO S	535-1233
1949	LENBURG JOHN L	774-3459
1950	SEBASTIAN MICHAEL L	774-8534
1955	DINNEBIER ROBT	774-5641
1959	DARRINGTON CHAS R	772-4680
1965	HARTMAIER ROBT G	533-3768
1969	EVANS JANE E	772-9853
1975	BAKER ROSS M	774-2279
2102	EMETT LEONARD C	533-3719
2109	WYLAM W B	776-7225
2112	MATHIS J B	774-7220
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2122	BULLMASTER ROBERT E	533-1131
2123	FARMER DELWIN B	533-1166
2126	BROWN ARLENE E	776-5334
2129	NEET ROBERT E	533-1760
2133	BYBEE J M	774-4804
2137	RHODES DON W	535-4210
2137	MC FARLAND GENE	772-5097
2140	TODD HAROLD R	774-4772
2141	JONES KENNETH D	772-9730
2144	RUIZ RUDY	772-8039
2147	HARRISON L	772-4607
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2168	KROGSDALE WILLIAM L	533-2064
2169	KUFAHL J A	776-4722
2173	DECKARD ALVIN R	533-3990
2173	DECKARD D A	774-9036
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2459	FARNSWORTH W	828-7417
2469	BRANDT LEO	827-1894
2471	ADAMS OWEN	527-5354
2475	TOWNSEND J S	828-9942
2481	REED R C	527-4217
2625	SCHINDLER LE ROY	527-0041
2635	NYIRI G	828-5674
2655	HAWKINS DOUGLAS K	827-0564
2661	GOWINS M B	527-4862
2665	HORNE HARVEY M	828-6051
2671	JACOBSON CHAS E	827-1362
2675	LAMONT L W	827-2353
2681	RUSNAK A	527-3664
2685	OUELLETTE N	827-3051
3525	NAKATSUKA ROY M	527-3813
3531	RICHMOND KELLY	527-1032
3541	DUNN R R	827-5536
3623	DOSMIER CLARENCE S	827-1987
3623	SHUNK HARVEY P	527-2052
3731	CERRITOS SCHOOL	828-6248
6999	ELKINS TEXACO SERV	828-1265

CERRITOS AVE-KNOTT AVE

	LIQUOR FOOD MART	828-6367

CHAIN AVE W

2429	ASSELIN R G	828-7168
2436	LEDERMAN IRVING	827-0767
2437	ZEIEN HENRY COL	828-9491
2441	CLARK ROY B	527-9785
2442	SPIDEL R A	827-4379
2445	AYREST ALAN J	527-8369
2446	SHEPHERD R B	527-4848
2449	SWEENEY JACK W	828-3846
2450	SHEFFIELD P R	827-3646
2453	MONAHAN TRUDY	527-4262
2454	JOHNSTON JOHN B	527-6388
2457	REVIE VIRGIL A	527-8612
2461	KOOIMAN MARY	828-4604
2462	RADICS WM R	828-0519

CHALET AVE W

1302	EVERETT TERRY D	774-5727
1306	MCCUE RICHARD B	533-1247
1312	MARKWOOD RICHARD	533-3494
1316	PRICE WAYNE	774-9267
1316	PRICE WAYNE	535-7597
1317	PRICE VERNON MRS	774-2881
1322	MILLER W H	772-3468
1323	COCKREHAM DUVAL B	774-3972
1326	BOWER W E	774-3814
1327	NEUBAUER E W	772-1608
1402	MULLEN CHAS T JR	774-1203
1403	MAROVICH SAMUEL	774-1421
1406	DANIEL BEVERLY	535-8657
1412	ESPINOLA EDW A	776-3763
1413	SAVAGE J L	772-2389
1416	TAYLOR G J	774-4335
1417	LOUMAN HAROLD C	774-2710
1420	PEPPERELL JAMES D	533-1203
1426	LE BRUN EILEEN	535-0190
1427	KORONKIEWICZ JOSEPH P	535-2700
1430	PYNE G T	776-0437
1431	ERB DONALD L	533-3823
1714	FREEDMAN SAML A	774-4407
1726	BOYD W L	776-4981
1734	HARTFORD ERNEST S	774-2536
1774	KOLBO L	776-4135
1778	GOOD THOS H	533-1410
1779	DE DAPPER JAY W	774-3312
1785	MC CREADY CHRISTINE	535-7360
1790	SCHAEFER JOS L	772-7571
1791	FICKLING WM W	774-5067
1801	RISVOLD M E	772-8247
1807	DAHL EARL E	774-8902
1808	GREAVES J C	535-2741
1813	TAYLOR HERBERT W	535-2491
1814	SWINNEY AL	772-3943
1818	ANDERSON JOHN H	774-3298
1819	NICHOLSON B	535-3473
1824	HANAWALT HOWARD W	774-2356
1825	POGGEMANN GEO DR	776-2035
1830	HIRATA AKIRA	774-0676
1840	GREENWOOD EVELYN	774-2103
1851	WISE JOHN CARROLL	774-3725
1852	ENGLE J R	772-4612
1855	MINNICH O	776-5121
1861	MALVEN CHAS J	774-3196
1862	LANDAU LEO	774-8635
1866	HOTCHKISS J D	772-1809
1867	OEDING RUBEN W	772-1440
1871	MAHL T C	774-2230
1872	STOWE B	774-9413
1876	SECOF ALLAN	774-8928
1883	HORNBACK HARRY W	774-2391
1884	WEDMORE LEO S	772-1056

CHAMBERLAIN DR

10502	PETRONELLA F W	772-5177
10541	JONES FRED C	533-3413
10561	CLARK WM P	535-9489
10562	THOMASON VINCENT E	774-2954
10581	SMITH DONALD R	774-0120
10591	LOY DONALD E	776-4397
10602	WALL V	772-5668
10621	TRACEY JAS ROBT	535-2083
10651	RAY J G MRS	774-9744
10662	SHARKEY RICHARD	774-1185

CHANTICLEER RD

9502	AMUNDSON ELIAS O	774-0564
9512	DRAVES FRANK A	535-1330
9532	WILLIAMS NORMAN M	772-8385
9542	TRIPP DOUG	533-3886
9552	APARTMENT	
9552	SHIREY RAYMOND A	776-8498
9602	PARK DOUGLAS A	772-0562
9622	SAWYER BURT	772-4059
9632	PARSONS PAT NATHAN M	774-8941
9642	STETSON G A	774-5826
9662	COPE C D	635-0713
9672	TERRY R S JR	772-6773
9682	SPARKS MARGARET B	533-3492
9702	BARNES W	774-0598
9722	TRUELOVE CHAS E	776-0922
9732	GROKETT HOWARD H	533-3958
9752	TRUITT ROSE LEE	772-8362
9772	DEAN HARLOW E	776-6232
9792	FREY R T	774-4392
9802	LE COURS L	774-0427
9812	HASTING D	774-6486
9822	WILSON WAYNE	533-3674
9831	YANAGIDA H	533-3374
9841	NAPIER CECIL M	535-4672
9842	POOSZ STEPHEN	533-4050
9851	STAYTON ARTHUR	533-3349
9861	HOBAN W P	776-2359
9871	LIPSHIN JOSEPH M	533-3330
9891	PECK JOHN V	772-3445
9892	WHITE JOHN S	772-2549
9902	WHEELER FRED W	776-2138
9911	JONES FELIX R	772-5259
9921	ST PIERRE JOS M	776-4938
9922	MURPHY DONALD J	774-6873
9931	BONNYCASTLE W L	533-3648
9932	KASNER SANDRA D	533-1965
9941	BERGERON MAURICE A	772-4349
9951	CHAREST CONRAD J MRS	772-8577
9962	BEARD W F	776-3383
9971	SANDS JAMES E	533-4297

CHANTICLEER RD STANTON

8256	PARLATO FRANK C	828-5998
8268	EVANS WM D	827-0733
8280	FRANK DAVID L	527-9127
8292	SAKURADA I T	828-1082
8304	ROGERS CLIFFORD J	828-6176
8316	BERKEL R	527-8675
8340	PAYNE BOB	828-6649
8352	GRZELKA M A	828-8099
8376	ENGEBRETSON LESTER W	828-3633
8388	JAMES NORMAN L	828-2702
8400	HOOVER WM D	828-2700
8412	MOORE JAS	828-6102
8424	SPAULDING EDITH	527-8722
8436	TRIPP HARVEY B	828-0576
8448	MC CORMACK WM J	828-1611
8460	ROBERTSON G B	828-6793
8511	HEELY DONALD J	527-9032

CHANTICLEER

8532	KEIM
8602	BRENT
8612	BORRU
8632	RICE
8651	MASON
8662	BOGDA
8672	MURPH

CHANTICLEER

1516	WINGE
1517	CIACC
1520	BYLIN
1521	BLACK
1526	NELSO
1527	SENTE
1531	CLARK
1537	COOPE
1540	BISHO
1541	MASTR
1546	FORD
1550	TANNE
1551	DEMMO
1554	EARL E
1555	HAAS
1560	SPIRE
1561	SALIS
1564	WOOD
1565	BLINE
1570	TAGLI
1571	DRIFT
1574	VISCU
1575	ANTHO
1580	SKIRZ
1581	STEPH
1584	FUREY
1585	ELLIO
1603	SIMON
1609	DUNMA
1621	BRODI
1627	HOWAR
1630	KATZM
1633	GRAHA
1634	EDWAR
1639	BIEHL
1640	CONN
1646	ALCO
1652	SHAW
1659	DAWS
1660	NIKE
1665	KATZ
1673	LUZA
1674	RUBI
1677	SHEL
1678	ECKM
1806	ASSO
1818	GRAY
1819	DRES
1822	BOJA
1823	MYER
1858	MC C
1862	TOUT
1863	SWEE
1868	CHAP
1872	STAN
1873	PETE
1878	WOLL
1882	WUDE
1883	HANS
1903	LAFE
1907	DIMI
1910	PAUL
1914	WILL
1917	LAMB
1920	PUTN
1921	YOUN
1924	ANTO
1927	JOHN
1928	DAVI
1931	HOY
1934	GALE
1935	LANE
1938	BROW
1941	BIED
1944	CERV
1945	MC
1948	STA
1949	MEY
1952	TOR
1955	QUA
1959	ROO
1962	FAR
1962	FAR
1963	HOR
1968	MAD
1969	PAU
1972	VAS
1973	WOO
2455	PAC
2458	FOX
2459	BRY
2462	DIT
2463	LOV
2466	TER
2467	PEB
2471	WAL
2474	KAT
2478	WAK
2486	TEN
2487	WAR
2490	GRE
2494	MAR
2500	RIN
2501	PED
2505	SMI
2508	GRA
2512	GRU
2513	THO
2516	MC
2517	GOT
2521	TED
2524	GLA
2525	HEN
2528	LOO
2529	IVI
2532	LAW
2539	JAM
2546	OLI
2547	KIL
2550	MC
2551	CAR
2554	DAL
2555	GLA
2558	STU
2559	FRE
2608	ROU
2609	WIL
2613	FAC
2619	REE
2625	MOS
2628	HER
2629	LAM
2634	ROB

1964 (Subject) 3591 West Cerritos Ave.

ENVIRONMENTAL RECORD SEARCH

"The Intelligent Choice"

Fire Insurance Map Results

REPORT RESULTS



Report Results for:

Megan Black
UltraSystems Environmental
16431 Scientific Way
Irvine, CA 92618
2104707859 FIM
May 22, 2019

Site Information:

Los Alamitos STEM Building
3591 West Cerritos Avenue
Los Alamitos, CA 90720

ENVIRONMENTAL RECORD SEARCH

Subject Site:

Client's Project #: **7018**
Address: **3591 West Cerritos Avenue**
City, State Zip: **Los Alamitos, CA 90720**

ERS Order #:

2104707859 FIM

Prepared For:

Name: **Megan Black**
Company: **UltraSystems Environmental**
Address: **16431 Scientific Way**
City, State Zip: **Irvine, CA 92618**

Date:

May 22, 2019

Prepared By:

Name: **Melissa Zelaya**
Phone #: **(714) 669-8096 Ext. 1003**

Years Reviewed:

1929, 1922, 1907, 1898

Historical Fire Insurance Map Search Result:

The review of collections and indexes has determined that no historical fire insurance maps are available within these collections and indexes for the referenced site; therefore they are not available and are considered not "reasonably ascertainable" according to ASTM standards. Environmental Record Search (ERS) certifies that a thorough search of our holdings, various other collections and indexes has been completed.

Note: There was coverage for the city of Los Alamitos but it did not extend out far enough to reach the subject site.

Thank you for selecting ERS.

Researched by:

Eric Kieselbach

Eric Kieselbach

Certified by Environmental Record Search ERS

National Flood Hazard Layer FIRMette

FEMA



Feet

0 250 500 1,000 1,500 2,000

1:6,000

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/9/2019 at 5:51:14 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

REPORT OF PRELIMINARY ENDANGERMENT ASSESSMENT

LOS ALAMITOS HIGH SCHOOL
3951 Cerritos Avenue
Los Alamitos, California 90720

MARCH 2005

Prepared For:

THE DEPARTMENT OF TOXIC SUBSTANCES CONTROL
School Property Evaluation and Cleanup Division
5796 Corporate Avenue
Cypress, CA *906.30*

Prepared by:

Strategic E Consulting Services

151 Kalmus Drive
Suite H-ll
Costa Mesa, California 92626

PRELIMINARY ENDANGERMENT ASSESSMENT REPORT

LOS ALAMITOS HIGH SCHOOL
3591 Cerritos Avenue
Los Alamitos, California 90702

This Preliminary Endangerment Assessment Report for the Los Alamitos High School Site in Los Alamitos, California was prepared by EDF-Associates, LLC This document has been prepared in a manner consistent with the level of care and skill ordinarily exercised by professional geologists and environmental scientists. This report was prepared under the technical direction of the undersigned personnel

EDF-ASSOCIATES, LLC

Eric D Floyd, R G #7520, REA II 20033
President

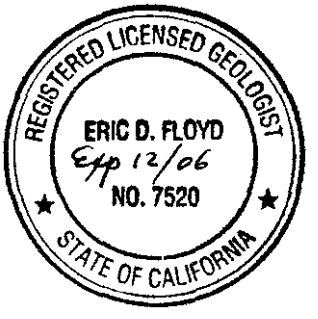


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Attachments

Attachment 1	Historical Topographic Maps
Attachment 2	Boring Logs
Attachment 3	Laboratory Reports, QA/QC Data, and Chain-of-Custody Forms
Attachment 4	Non-Hazardous Waste Manifests
Attachment 5	Analytical Data Validation Report

EXECUTIVE SUMMARY

In August 2004, construction workers at the Los Alamitos High School (LABS) expansion project, located at 3591 Cerritos Avenue in the City of Los Alamitos, California (the site) noticed a gasoline-like odor during the installation of an elevator piston shaft. Although an underground storage tank (UST) had never been located on the LABS property, a demolished gasoline station was located on the adjacent property to the south Remedial activities addressing both soil and groundwater were in progress at this location.

The possibility of petroleum fuel contaminants at the Site led the Los Alamitos School District (the District) to request guidance from the Department of Toxic Substances Control (DTSq School Site Evaluation Unit. The DTSC required a Preliminary Endangerment Assessment (PEA) at the site to evaluate the existence of petroleum fuel and other contaminants at the site, and (if such contaminants exist) to evaluate the health risk that they might pose..

EDF-Associates, LLC (EDFA) was retained by the District to conduct the PEA This work was conducted, in general accordance with the guidelines of the California Environmental Protection Agency *(Cal/EPA),* DTSC, PEA Guidance Manual (January 1994, second printing June 1999) This report presents results from the site evaluation conducted in support of the PEA, and EDFA's conclusions and recommendations based on these data and findings previously provided as part of the PEA Workplan..

The PEA site evaluation included the collection of soil vapor samples from 9 locations, groundwater water samples from 3 locations, soil samples for pesticide analyses from eight locations, soil sample analyses from 4 locations and soil samples for background metal analyses from 4 off-site locations. Results from these analyses are summarized below

- Soil vapor analyses by EPA Method 8260B – Nondetect for all samples
- Duplicate vapor analyses by EPA Method 8260B and modified EPA Method 8015 – Nondetect for this sample
- Groundwater analyses by EPA Method 8260B - Nondetect for all samples.
- Duplicate groundwater analyses (2) by EPA Method 8260B - Nondetect for all samples
- Soil analyses for organochlorine pesticides by EPA Method 80801A - No detections above preliminary remediation goals for residential soils
- Duplicate soil analyses (2) for organochlorine pesticides by EPA Method 80801A - No detections above preliminary remediation goals for residential soils

- Soil analyses for metals by EPA Method 7000 - Metal concentrations of potential regulatory concern were not detected in any soil sample (including the background samples).

- Duplicate soil analyses (2) for metals by EPA Method 7000 - Metal concentrations of potential regulatory concern were not detected in any soil sample (including the background samples).

Based on these data, a Health Risk Screening Assessment was not required, and EDFA concludes that the probability of contracting cancer and/or experiencing non-carcinogenic adverse health effects when exposed to any residual chemicals remaining at the site is negligible. Therefore, it is recommended that the site be granted a full closure with no further action required.

SECTION 1.0
INTRODUCTION AND SUMMARY

This Preliminary Endangerment Assessment (PEA) Report documents investigation activities at Los Alamitos High School (LABS). LABS is located at 3591 Cerritos Avenue in the City of Los Alamitos (the City), County of Orange, California. This PEA has been prepared by EDF-Associates, LIC (EDFA) on behalf of the Los Alamitos Unified School District (the District). This PEA was conducted in general accordance with the guidelines of the California Environmental Protection Agency (CaVEPA), Department of Toxic Substances Control (DTSq, PEA Guidance Manual (January 1994, second printing June 1999)

This report is organized as follows:

Section 1.0 provides an introduction and summary of the work completed for this PEA

Section 20 provides a detailed site description

Section 3.0 presents a review of Site background information

Section 4.0 presents the apparent problem and focus of investigation activities.

Section 5.0 presents the site's environmental setting, including evaluations of soil and water migration pathways

Section 60 provides a detailed description of site irrvestigation activities.

Section 7.0 presents a community profile.

Section 8.0 provides conclusions and recommendations.

Section 9.0 presents references used irr the preparation of this document.

All report figures are provided behirrd the tab labeled "Figures".

All tables are provided behirrd the tab labeled "tables"

Attachment 1 provides copies of historical topographic maps

Attachment 2 presents copies of the irrvestigation borirrg logs

Attachment 3 provides copies of the laboratory reports and Chairr-of-Custody forms

Attachment 4 provides copies of Non-Hazardous Waste Manifests

Attachment 5 provides copies of the Analytical Data Validation Reports

SECTION 2.0
SITE DESCRIPTION

LABS is a public High School located at 3591 Cerritos Avenue in Los Alamitos, California The geographic location of LABS is shown on Figure L The area undergoing new construction has been used for vehicle parking since its acquisition in (approximately) 1968. In this docwnent, this portion of the property is referred to as the "Site", and it is shown in detail on the Site Plan provided as Figure 2.

2.1 SITE DESCRIPTION AND LOCATION

2.1.1 Site Name
Los Alamitos High School

2.1.2 Site Address
3591 Cerritos Avenue, Santa Ana, California

2.1.3 Assessor's Parcel Number(s) and Maps
Information regarding Assessor's Parcel Numbers (APNs) relating to the Site and maps depicting parcel boundaries were provided by the City Planning and Zoning Department. The APN for the Site is 242-262-7

2.1.4 Township, Range, Section and Meridian
The Site is located in the northwest quadrant of Section 19, Township 4 South, Range 11 West, San Bernardino Base and Mericlian (United States Geological Survey, 1981) The geographic coordinates of the Site are latitude *33°* 48' 3850" North, Longitude *118°4'* 17.0" West

2.1.5 Site Zoning
According to the City Planning and Zoning Department, the Site is zoned "CF: Community Facilities"

2.1.6 Site Maps
A map depicting the Site vicinity is provided as Figure 1. A Site Plan is provided as Figure 2. The Los Alamitos High School campus is shown as Figure 3.

2.2 SITE CONTACT INFORMATION

2.2.1 Designated Contact Person
Ms. Patricia Meyer

2.2.2 Mailing Address

The mailing address for the project is:

Ms Patricia Meyer
Assistant Superintendent of Business Services
Los Alamitos School District
10293 Bloomfield Street
Los Alamitos, CA 90720

2.2.3 Telephone Number

The telephone number for Ms. Meyer is (562) 799-4700

The fax number for Ms Meyer is (562) 799-4711.

2.2.4 Other Site Names

For the purposes of this assessment, there are no other names by which this Site is referred

2.3 CURRENT AND HISTORICAL LAND USES

2.3.1 Property Ownership

The Site is owned by the District

2.3.2 Facility Ownership/Operators

All of the current structures at the Site are owned by the District

2.3.3 Business Type

The Site is the western portion of a public high school campus.

2.3.4 Years of Operation

Based on the historical information reviewed, the Site was used for farmland from about 1938 until 1968. LAHS was constructed in 1968, and the Site has been used for LAHS parking since that time

2.3.5 Prior Business/Manufacturing Activities

There have been no business or marrufacturing activities conducted at the Site.

2.4 HAZARDOUS SUBSTANCE/ WASTE MANAGEMENT INFORMATION

2.4.1 Records Review

A total of fifty-seven environmental regulatory databases were searched by Environmental Data Resources (EDR), arr organization that provides specialty services to the environmental profession. This research identified environmental concerns at neighboring facilities near the Site. Results from the database search were provided in their entirety arrd reported to the DTSC in EDFA's PEA Workplarr, dated November

2004 For completeness, these results are also summarized below. Potential impacts are described as "Unknown", "None", "Potential" or "Probable"

Unknown means that there is not enough information available for EDFA to evaluate the potential impact of the environmental condition on the Site

None means that (in the professional opinion of EDFA) the recognized environmental condition being evaluated does not have the potential to impact the Site. This judgment can be based on one or several of the following considerations: (a) the nature of the recognized environmental condition, (b) the location of the recognized environmental condition relative to the Site, (c) the media impacted by the recognized environmental condition, (d) the regulatory status of the recognized environmental condition, and/or (e) the groundwater flow direction between the recognized environmental condition and the Site

Potential means that in consideration of factors (a) through (e) as stated above, the recognized environmental condition *could* impact the Site.

Probable means that in consideration of factors (a) through (e), it is likely that the recognized environmental condition will impact the Site.

In addition to the EDR information, the Munger Map Book was reviewed to determine if any active, idle, or abandoned oil or gas wells were located on, or adjacent, to the Site. No such wells were noted.

SUMMARY ANALYSIS OF DATABASE SEARCH RESULTS

EDR ID	Facility address	Data Base	Issues/Status	Impact On Site	Explanation
SITE					
E19	Los Alamitos High School 3591 Cerritos Avenue, Los Alamitos, CA 90720	RCRIS-SQG FINDS HAZNET	Disposal of asbestos containing materials; disposal of PCB containing wastes	None	Solid waste removed as part of school remodeling activities.

FACILITIES IDENTIFIED WITHIN ONE-EIGHTH MILE OF THE SITE					
EDR ID	Facility & Address	Data Base	Issues/Status	Impact **On** Site	Explauatiou
B8, **B9** & **B10**	Velsicol Chemical Co, Monte Collins Backhoe & Equipment, Califomia Batching Equipment 3342 Cerritos Ave	CERCLIS-NFRAP REF	LeakingUST -case closed	None	Soil only - Down gradient from Site
	Cal-Pacific Insulation Inc. 10447 Los Alamitos Blvd.	RCRIS-SQG FINDS	None Reported	None	Small quantity generator- waste produced is likely a solid material.
11	Honda Auto Parts Service 10385 Los Alamitos Blvd.	RCRIS-SQG FINDS	None Reported	None	Small quantity generator- no reported violations
D17	Emergency Power Service 10331 Los Alamitos Blvd.	RCRIS-SQG FINDS	None Reported	None	Small quantity generator - no reported violations
Dl8	Precision Carburetion 10350 Los Alamitos Blvd.	RCRIS-SQG FINDS	None Reported	None	Small quantity generatOl- no reported violations
A4	Former Standard Oil Station 10471 Los Alamitos Blvd	LUST Cortese	LeakingUST -leaded and unleaded gasoline - MTBE detected- Case open- remedial activities in progress - aquifer impacted.	Potential	Located cross gradient to Site- aquifer impacted with gasoline and MTBE

FACILITIES IDENTIFIED WITHIN ONE-EIGHTH MILE OF THE SITE					
EDR ill	Facility & Address	Data Base	Issues/Status	Impact Ou Site	Explanation
C12	Unocal Station #4727 3501 Cerritos Avenue	LUST Cortese	LeakingUST -gasoline - MTBE detected- Case open- remedial activities in progress - aquifer impacted	None	Located down gradient from Site - remedial activities underway
Cl4 & Cl6	Texaco Service Station & Los Alamitos Tauk Farm Headquarters 3422 Cerritos Avenue	LUST Cortese HISTUST	LeakingUST -gasoline - Not tested for MTBE- Case closed-	None	Located down gradient from Site - remedial activities completed..
E21 & E22	Bixby Land Company & Target Station 105 3502 Cerritos Avenue	HAZNET LUST Cortese HIST UST	LeakingUST -gasoline - MTBE detected- Case open- remedial activities in progress - aquifer impacted	None	Located cross/down gradient from Site - remedial activities underway
AI, A2 & A3	Tom Lewis Unocal, Station 4727 & Union Oil Service Station Lease 10492 Los Alamitos Blvd.	CAFID UST HISTUST	Active UST Site	Potential	Cross gradient from Site

FACILITIES IDENTIFIED WITHIN ONE-EIGHTH TO ONE-QUARTER MILE OF THE SITE					
EDR ID	Facility address	Lists	Issues/Status	Impact On Site	Explanation
F25	Briggerrnan Disposal Service, Inc. 3551 Sausalito	RCRIS-SQG FINDS LUST Cortese CAFID UST	Leaking UST - case open-aquifer impacted	None	Located down gradient from Site
F27	Dart Rollforrners, Inc 3651 Sausalito	RCRIS-SQG FINDS	None Reported	None	Located down gradient from Site
H31 & H32	Santa Ana Equipment Rentals / Knippers Rental Center 3686 Cerritos Avenue	RCRIS-SQG FINDS HAZNET LUST Cortese CAFID UST HISTUST UST	LeakingUST - soil only-case closed	None	Located cross/down gradient from Site
23	Environmental Enhancement Corp 3355 Cerritos Avenue	RCRIS-SQG FINDS	None Reported	None	
26	Norm's Automotive Service 3432 Sausalito	RCRIS-SQG FINDS HAZNET	None Reported	None	Located cross/down gradient from Site
G30	Lew Webb's Aero Motors 10650 Los Alamitos Blvd.	RCRIS-SQG FINDS	None Reported	None	Located down gradient fiom Site.
136	Consolidated Freightways 10651 Reagan Street	LUST Cortese CAFID UST	LeakingUST - gasoline-aquifer impacted - case closed.	None	Located down gradient from Site

FACILITIES IDENTIFIED WITHIN ONE-EIGHTH TO ONE-QUARTER MILE OF THE SITE					
EDR ID	Facility address	Lists	Issues/Status	Impact On Site	Explanation
137	Los Alamitos Unified School District Maintenance Yard 10652 Reagan Street.	LUST Cortese CAFID UST	LeakingUST – gasoline-soil only-case closed	None	Located down gradient from Site.
24	Los Alamitos & Cypress Disposal 3551 Sausalito	WMUDS /SWAT	None	None	Located down gradient from Site
33	Former A J Supply 8050 East Spring St.	UST	None	None	
J40	Millie & Sever son, Inc. 360 I Serpentine Dr.	CAFID UST	Active UST site	None	Located down gradient from Site.
FACILITIES IDENTIFIED WITHIN ONE-QUARTER TO ONE-HALF MILE OF THE SITE					
EDR ID	Facility address	Database	Issues/Status	Impact On Site	Explanation
M47	VOL ARCa/Bixby Land Company 3398 Norwalk	LUST Cortese	LeakingUST - gasoline-aquifer impacted-case closed.	None	Located one half mile form Site - case closed
M48	Mobil #l1-GNI 8090 Wardlow Road East	LUST Cortese	LeakingUST - gasoline-aquifer impacted-case closed.	None	Located one half mile form Site - case closed.
MSO	FOlmer Texaco Station 3401 Norwalk Blvd	LUST Cortese	LeakingUST - gasoline-aquifer impacted-case closed.	None	Located one half mile from Site-case closed

FACILITIES IDENTIFIED WITHIN ONE-QUARTER TO ONE-HALF MILE OF THE SITE					
EDR ID	Facility address	Database	Issues/Status	Impact On Site	Explanation
N52 & N53	Kimberly Machine / L & S Property Management 10621 Bloomfield Avenue	RCRIS-SQG FINDS HAZNET LUST Cortese	LeakingUST -aquifer impacted-case closed.	None	Located one half mile from Site - down gradient - case closed.
K41	Ban Lumber 10742 Los Alamitos Blvd	HAZNET LUST Cortese CAFID UST	LeakingUST -leaded and unleaded gasoline - soil – case closed.	None	Located one half mile from Site- down gradient - case closed
49	Los Alamitos Shell 10961 Los Alamitos Blvd.	RCRIS-SQG FINDS HAZNET LUST Cortese CAFID UST	LeakingUST -aquifer impacted	None	Located one half mile from Site - down gradient
44	Continental Packaging, Inc 10722 Reagan Street	LUST	LeakingUST - penta-chlorophenol -aquifer impacted-case closed.	None	Located one half mile from Site- down gradient
L45 & L46	Mobil 18-*6QO/ADS* Service Center 3971 Cerritos Avenue	LUST HAZNET	LeakingUST -aquifer impacted	None	Located one half mile from Site – down/cross gradient
51	El Dorado Cleaner 8171 Wardlow	CA SUC	VOC release	None	Located one half mile from Site - cross gradient

FACILITIES IDENTIFIED WITHIN ONE-HALF TO ONE MILE OF THE SITE					
EDR ill	Facility address	Database	Issues/Status	Impact On Site	Explanation
54	Safety-Kleen COlP 3876 Florista St	RCRIS-SQG FINDS LIST Corteses RICRIS rSD CAFID USDT CORRACIS CERC-NFRAP HIST UST	Small quantity generator of hazardous wastes. FOlmer rSDF with operational violations LeakingUST that impacted aquifer with chlorinated hydr ocarbons Active UST site.	None	Located approximately 1/2 mile down gradient from site
0	Los Alarnitos Armed Forces Reserve Center	DOD	None	None	Located approximately 1 mile down gradient from site

2.4.1.1 Agency Files: A search of Building and Safety files at the City of Los Alamitos and review of historical aerial photographs confirmed the following:

Prior to 1961, the entire Site (and the area now occupied by the LAHS) was used for agriculture, In 1968, LAHS was constructed, and the Site was used primarily for LAHS parking

2.4.1.2 Site Owner / Operator Records: A request was made to the District (the Site owner) to provide records or irrformation regarding any potentially environmental-related activities at (or affecting) the Site. According to the District, no such records exist, However, the District did point out the gasoline station located on the adjacent property to the south as a factor that might have a potential environmental impact

2.4.1.3 Topographic Map Review: Copies of historical topographic maps covering the Site and vicinity have been obtained and reviewed. From 1902 until 1964, the Site and adjoining property appear as farmland The 1972 photo-revised topographic map shows the LARS in place" Copies of theses maps are provided as Attachment L

24,14 Aerial Photograph Reueio: Although aerial photographs can often be a valuable source of information in the assessment of historical land use, it should be understood that information extrapolated from photographic images is strictly intetpretation and not necessarily fact, For this reason, it may be inappropriate to draw conclusions regarding previous Site activities based solely upon aerial photograph analysis.

Historical aerial photographs of the Site from the years 1938, 1947, 1952, 1968, 1977, 1989, 1994 and 2002 were obtained and reviewed to determine the prior land uses, These photos confirmed that the Site was used for agriculture until about 1968 By that time, heavy residential development had begun in the area and LABS had been constructed

2.4.L5 Sanborn Map Recieun Sanborn Fire Insurance Maps provide information on structure locations and operations present at the time of the survey These maps were completed for most major cities and metropolitan areas, dating Irorn 1867, and provide information on past usage of buildings and how commercial and industrial zoning has changed over time, However, it has been confirmed that Sanborn maps do not exist for this location,

2.4.1.6 Pesticide and Herbicide Use: Historical information suggests the Site was used for agriculture prior to 1968" To EDFA's knowledge, there has been no prior testing for pesticide and/or herbicide use on the Site"

2.4.2 Site Inspection Results

A reconnaissance of the exterior of the Site and vicinity has been conducted by a representative of EDFA The Site observations are summarized below

2.4.2.1 Asbestos-Containing Materials: EDFA did not evaluate the temporary structures currently at the Site for asbestos-containing materials However, (as identified in the regulatory database review), asbestos-containing materials are currently being removed from the LAHS campus"

2.4.2.2 Lead-Based Paints: EDFA did not evaluate existing structures at the Site for lead-based paint.

2.4.23 *Landfills:* Based on the information reviewed to date, no landfill sites have been identified on or near the Site"

2.4.2.4 Water Supplies: Domestic water services and sanitary sewer services are supplied to the Site by the City of Los Alamitos Currently, there are no known production groundwater wells located on the Site,

2.42.5 Waste Generation and Storage: Refuse transportation and disposal services are provided by the City of Los Alamitos

2.42.6 Petroleum and High Pressure Pipelines: During the Site and VIC1lll1ty inspection, an indication of petroleum or high-pressure pipelines was observed on the adjacent property (street address of 10471 Los Alamitos Boulevard) west of the Site. The sign indicated it was a Chevron pipeline. According to Mike Roberts of Chevron, approximately ten petroleum fuel pipelines extend east-west under the north side of Cerritos Avenue close to the curb. The approximate zone occupied by these pipelines is shown of Figure 3 Other than petroleum products, the contents and sizes of these pipelines is not known.

2.4.2.7 Hazardous Air Emissions: To EDFA's knowledge, there are presently no hazardous air emissions being produced at the Site.

Observations relative to specific physical features identified in Section 2.3.2 of the Preliminary Endangerment Assessment (PEA) Guidance manual are summarized below:

Physical Feature	Observations
Property boundaries:	The western boundary of the Site is clearly identified by Los Alamitos Boulevard. The north, south and east boundaries are clearly discernable due to the presence of fences.
Locations and boundaries of all on-site operations:	The present location of the planned school building is indicated by the ongoing construction at the Site.
Foundations of former structures:	No former structure foundations are anticipated to be present.
Storage tanks and storage areas:	According to the Director Of Facilities interviewed by EDFA, there are no USTs located on the school property.
Odors:	A gasoline-like odor from subsurface soils excavated during the installation of an elevator piston shaft for a new building on the site was reported by construction workers.
Pools of liquid:	No pools of liquid were observed.
Electrical or hydraulic equipment known or likelyto contain PCBs:	Pole-mounted electrical transformers were not observed on the Site.
Unidentified substance containers (including empty drum storage):	No unidentified substance containers were noted.
Stained soil and pavement, corrosion, and degradation of floors and walls:	Stained concrete was not observed on the Site surface. No stained soil, pavement, corrosion, or other degradation was observed.
Drains and sumps:	No drains or sumps were observed.
Pits, ponds, and lagoons:	None observed or noted.

Physical Feature	Observations
Surface drainage pathways:	Surface water likely drains across the Site to curbs and gutters.
Stressed vegetation (from other than insufficient water):	None observed
Solid waste and waste water:	A solid waste container (trash dumpster) is present at the Site associated with the current building construction. No wastewater sources were noted.
Wells (including dry wells, irrigation wells, injection wells):	No wells were observed on the Site.
Septic systems:	No indication of prior septic system use was observed.

2.4.2.8 Interviews Brief interviews were conducted with Marcia Scharfen (Director of Facilities and Planning for the Los Alamitos Unified School District) and Ruben Frutos (former Chief Business Officer for the Los Alamitos Unified School District) According to Ms. Scharfen and Mr. Frutos, the area now occupied by the los Alamitos High School was used for agriculture purposes before its acquisition by the Los Alamitos Unified School District Neither was aware of any other use of the property.

2.5 REGULATORY INFORMATION

2.5.1 U.S. Environmental Protection Agency (USEPA) Identification Number

Environmental Protection Agency (USEPA) Identification Number 1000101558 was issued to the Site for disposal of PCB-containing material (fluorescent light ballast) and asbestos waste.

2.5.2 Cal Sites Database Number

Based on contacts with regulatory agencies, discussed further below, the Site is not identified on the Cal Sites database.

2.5.3 Regulatory Status

The Site has not been identified on any of the regulatory databases as a hazardous waste generator, or as a facility that treats, stores or disposes of hazardous waste onsite The Site has not received any notices of violation from State or Federal environmental regulatory agencies.. However, Los Alamitos High School is identified in the RCRIS-SQG, FINDS and HAZNET databases for the disposal of asbestos and polychlorinated biphenyl (PCB) containing wastes (fluorescent light ballast).

Both the Site and Los Alamitos High School are located in a 500-year flood zone

SECfION 3.0
BACKGROUND

LABS is a public High School located at 3591 Cerritos Avenue in Los Alamitos, California. The area undergoing new construction has been used for vehicle parking since its acquisition in (approximately) 1968

In August 2004, construction workers at the site noticed a gasoline-like odor during the installation of an elevator piston shaft The location of this shaft is shown on Figure 2"

The shaft is formed of a metal pipe about two-feet in diameter, and extends into the subsurface approximately 25 feet. It is thought that the shaft was completely installed into native soils; however, soil samples were not collected during its installation There is a metal plate welded to the bottom of the shaft Groundwater was present in the shaft at approximately 10 feet bgs

EDFA was retained by the District to evaluate the existence of petroleum fuel contaminates around the elevator shaft, EDFA measured VOC emissions from surficial soils around the elevator shaft with a photo-ionization detector (PID) calibrated to hexane No VOC emissions were detected, The elevator shaft cover was removed, and VOC concentrations were measured within the shaft" VOC concentrations were less than one part per million (ppm); however an odor of old gasoline was apparent,

EDFA inquired as to whether an underground storage tank (UST) was, or had ever been, located on the property, The project construction manager indicated that a UST had never been located on property occupied by LABS, or the portion of the Site where new construction was underway However, he pointed out that a demolished gasoline station was located on the adjacent property to the south EDFA inspected this site from the street, and confirmed that it was a former gasoline station site, and that remedial activities addressing both soil and groundwater were in progress

SECTION 4.0
STATEMENT OF APPARENT PROBLEM

Construction workers noted a petroleum fuel type odor during the installation of an elevator shaft for a building being erected on the LABS campus as part of a school expansion project Although the LAHS had not operated an underground storage tank (US1) on campus, site inspections and a search of regulatory databases identified a number of near-by potential sources for petroleum fuel contaminants These included gasoline stations on adjacent and nearby properties and high pressure petroleum pipelines on the south side of the LAHS campus. Many of the stations and the petroleum pipelines were identified in the regulatory databases as having experienced an unauthorized discharge of petroleum fuels to soil and!or groundwater The District verbally communicated these findings to the DTSC The District agreed to enter the DTSC Voluntary Oversight Program to further evaluate the existence of petroleum fuel contaminants on the LAHS campus To accomplish this, the DTSC directed that the District conduct a Preliminary Endangerment Assessment (pEA) of the lAHS campus EDFA was retained by the District to accomplish this work

EDFA prepared a PEA Workplan that provided a detailed description of the field activities that would be employed for the investigation. Planned site investigation activities included:

- A soil vapor survey around the elevator shaft at various locations across the site;
- Collection of soil samples for background metal analyses from DTSC pre-approved locations;
- Collection of soil samples for pesticide and metal analyses from eight pre-approved DTSC locations within the study area;
- Collection of groundwater samples for VOC analyses from four pre-approved DTSC locations within the study area and on the LAHS campus;
- Assessment of site specific fate and transport characteristics (e g., soil porosity, grain size analysis, etc.)

Information from this investigation would be used to prepare a Human Health Screening Evaluation, if required. The DTSC would then use results from the Human Health Screening Evaluation to evaluate the environmental regulatory issues for closure

Verbal approval for implementation of the work was received from Stephanie Blanco, a DTSC Hazardous Substance Scientist, and the DTSC Lead Investigator for this project. The workplan was implemented in December 2004.

SECTION 5.0
ENVIRONMENTAL SETTING

This section describes the Site's environmental setting, including topography and local hydrogeology.

5.1 SITE TOPOGRAPHY

According to the 1981 photo-revised topographic map (Los Alamitos Quadrangle) prepared by the United States Geological Survey (USGS), the site is located at an elevation of approximately 26 feet above sea level. The study area appears relatively flat, with no significant changes in elevation.

5.2 SITE GEOLOGY AND SOIL TYPES

Soils underlying the site consist mostly of sand on the eastern portion of the site, and inter-bedded with sandy silty clay on the western portion of the site. All subsurface clayey soils contained angular to sub-angular grit. Generally, clay content appears to increase with depth. Distinct bedding planes were not observed at any sampling location

5.3 SITE HYDROGEOLOGIC SETTING

First groundwater underlying the site exists under semi-confined conditions. Static groundwater levels average about 20 feet bgs.

5.4 SITE CLIMATOLOGICAL SETTING

The site is located in an area of typical near-coastal Mediterranean climate. The average annual precipitation is approximately **12 to 15** inches per year. The mean annual air temperature in the site vicinity is approximately 65° Fahrenheit, with an average maximum temperature of 756° Fahrenheit and average minimum temperature of 55J° Fahrenheit. Prevailing winds are from the north!northwest.

SECTION 6.0
SAMPLING ACTIVITIES AND RESULTS

6.1 DATA COLLECfION AND EVALUATION

This sampling and analysis program was conducted to evaluate the potential presence of VOCs in soil gas and groundwater, petroleum hydrocarbons in groundwater, and pesticides, and metals in shallow subsurface soils The following sections provide detailed descriptions of all sample collection activities and the results obtained by the analyses of these samples.

6.1.1 Soil Gas Investigation

Nine soil gas samples were collected from around the elevator shaft area and adjacent to the former gasoline station located on the southern adjacent property. Soil gas sampling locations are shown on Figure 2. Soil gas sampling procedures followed the DTSC and LARWQCB Procedures for Soil Vapor Surveys.

All soil gas samples were collected from a depth of five feet below grade at nine on-site locations. These locations were selected to cover the area around the elevator shaft and the southern portion of the site (where a gasoline station was formerly located).

Each of the soil gas samples was analyzed for halogenated and aromatic VOCS by an on-site mobile laboratory. Analyrical procedures followed the Los Angeles Regional Water Quality Control Board (LARWQCB) Well Investigation Program (WIP) Guidance, which is consistent with EPA Method 8260B.

In addition, a duplicate soil gas sample was collected in a Summa canister from one randomly selected sampling location (SV-1-5). This sample was analyzed by an off-site California Department of Health Services (DRS) Environmental laboratory Accreditation Program (ELAP) certified laboratory for VOCS using EPA Method 8260B and forTPH-G, TPH-D and TPH-O by modified EPA Method 8015

6.1.2 Soil Sampling Strategy and Approach

Following the DTSCs "Interim Guidance for Sampling Agriculture Fields for School Sites" (Second Revision dated August 26, 2002), eight sample locations were selected across the site (depicted as P-l through P-8 on Figure 2) for evaluation of Organo-chloride pesticides and metals.

Soil samples for organo-chloride pesticide analysis were collected at each location from the ground surface and from a depth of 2 to 3 feet bgs. Each of these samples was analyzed for organo-chloride pesticides by EPA Method 8081A

Additionally, four of these samples from four sampling locations were randomly selected and analyzed for CAM 17 metals.

Background metal concentrations for the Site were evaluated by the collection of four shallow soil samples from four sample locations on the LABS campus, but outside of the study area boundaries. These soil samples were collected from a depth of two and a half feet to three feet bgs Background sample locations are shown on Figure 3

6.1.2.1 Sampling Methods and Procedures: All soil samples were obtained using standard GeoProbe sampling techniques Soil samples were collected continuously into three-foot, clear acetate tubes as the sampler was advanced. After removing the portion of the core designated for analytical testing (described in the following section) the tubes were laid end to end so that the soil profile over the entire sampling depth could be visually examined. These observations and close examination of soils from periodic sampling intervals were used to construct boring logs for all sample locations These are provided as Attachment 2.

6.122 Sample Handling and Preservation: Intervals selected for laboratory testing were preserved as follows Upon recovery, an (approximate) 8-inch section of the designated interval was cut from the acetate tube. Each end of the sample tube was immediately covered with Teflon tape and sealed with plastic end caps. The sample tube was labeled with a unique sample number, time and date of collection and initials of the sampler. It was sealed in a zip lac bag and placed in a cooler chilled with crushed ice. The sample number assigned to the sample tube was recorded on a Chain-of-Custody Form along with the time and date of collection.

All sample tubes were transported in a chilled condition to a California-certified analytical laboratory on the same day as taken, maintaining chain-of-custody documentation to ensure sample integrity. The cooler temperature was noted by the receiving laboratory when the chain-of-custody was signed.

Soil samples were labeled using the following nomenclature. The sample number prefix indicates the type of sample. For example, P indicates "boring". This is followed by the sample location and sample depth For example, sample number P-1-1 designates a soil sample collected from location P-1 between the depths of 0.5 and one-foot bgs, and sample number P-1-5 designates a soil sample collected from sample location P-1 between the depths of 4.5 and 5 feet bgs

61.23 Analyses for Fate and Transport Modeling: In addition to analytical testing for the presence of contaminants, one sample (SG-2-15) was randomly selected and analyzed by a geotechnical laboratory for total organic carbon, bulk density, hydraulic conductivity, and moisture filled porosity. In addition to these tests, a grain-size (sieve) analysis was conducted on a representative sample from the depth intervals of 2, 5, 10, 15 and 20 feet bgs. Results from these tests are provided as Attachment 3.

6.1.2.4 Decontamination of Sampling Equipment: Between each sample, all sampling equipment was washed in an Alconox solution then triple rinsed in distilled water. Wash and rinse water was changed regularly throughout the sample collection process. Spent wash and rinse water was collected into a 55-gallon drum.

Analytical results obtained from the soil samples were used to profile this water for disposal, The wastewater was transported off-site and disposed of as a non-hazardous waste" The non-hazardous waste manifest documenting transportation and disposal is provided as Attachment 4

6.1.3 Laboratory Analysis

laboratory services for the field sampling program were provided by a California DHS ELAP certified laboratory The following samples (including field quality control [QC] samples) were collected and analyzed as part of this effort:

Vapor

Nine soil vapor samples - all analyzed for VOCs by EPA Method 8260B

One duplicate soil vapor sample - analyzed for volatile organic compounds by EPA Method 8260B and TPH-G by modified EPA Method 8015

Twenty-eight soil samples - analyzed as follows:

- Eighteen (including 2 duplicate samples) for Chlorinated Pesticides by EPAMethod 8081A;
- Five (including 1 duplicate sample) for Site Metals using EPA Method 6010B/7000,,; and
- Five (including 1 duplicate sample) for background Metals using EPA Method 6010B/7000

Groundwater

Six (including 2 duplicate) groundwater samples analyzed as follows:

- VOCs by EPA Method 8260B; and
- Total Petroleum Hydrocarbons as gasoline (TPH-G), Diesel Fuel (TPH-D), and Oil (TPH-O), by modified EPA Method 8015"

Copies of the laboratory data reports and Chain-of-Custody Forms are provided in Attachment 3.

6.1.3.1 QA/QC: Four duplicate soil samples, and two duplicate groundwater samples were also collected during the field sampling activities, These samples were analyzed to assess the precision and accuracy of field data"

All laboratory data obtained from on-site sampling activities was subjected to data validation to ensure that Data Quality Objectives were met and that data are suitable for use in human health evaluation of the site A copy of the data validation report is included in Attachment S

6.2 PRESENTATION OF DATA

Results obtained from field observations and laboratory testing are presented in the following paragraphs, We begin with a discussion of local (ie, site-specific) geology and hydrogeologic conditions"

6.2.1 Local Geology

Soils underlying the area of investigation consisted of silty sandy clays, These soils were rather homogeneous mixtures of these soil types, with no apparent layering or stratigraphy visible in any sample" The soils were slightly moist, and uniformly brown in color

6.2.2 Local Hydrogeology

Groundwater was encountered at depth of about 20 feet bgs, and appears to exist under confined conditions, Analysis of the groundwater flow direction and gradient on Site was beyond the scope of this PEA, as no groundwater monitoring wells were installed as part of this assessment,

6.2.3 Analysis of Soil Vapor Samples for VOCs by EPA Method 8260B

Results obtained from the nine soil vapor analyses by EPA Method 8260B/S03S were nondetect for all soil vapor samples" Laboratory reports, QA/QC data and Chain-of-Custody Forms are provided in Attachment 3

6.2.4 Analysis of Duplicate Soil Vapor Sample for VQCs by EPA Method 8260B and TPH·G, TPH-D and TPH-Obymodified EPA Method 8015

One duplicate soil vapor sample was collected into a Summa canister at location SV-I-S, This is the soil gas sampling location that is nearest the elevator shaft, This soil vapor sample was analyzed by EPA Method 8260B and modified EPA Method 801S,

Results from the analyses of this sample were also nondetect for all VOCs and 1PH laboratory reports, QA/QC data and Chain-of-Custody Forms are provided in Attachment 3

6.2.5 Analysis of Groundwater Samples for VOCS by EPA Method 8260B and TPH·G, TPH·D and TPH-O by modified EPA Method 8015

Results obtained from the six (including 2 duplicate) groundwater analyses by EPA Method 8260B/S03S and modified EPA Method 801S were nondeteet for all groundwater samples, Laboratory reports, QA/QC data and Chain-of-Custody Forms are provided in Attachment 3.

6.2.6 Analysis of Soil Samples for Pesticides by EPA Method 8081A

Minor concentrations (less than 1 mg/Kg) of the pesticides 4,4'-DDE was detected in all but five soil samples. Detected concentrations ranged from a high of 210 micrograms per Kilogram ($\mu g/Kg$) to 3.1 $\mu g/Kg$. The EPA Region IX preliminary remediation goal (PRG) for 4,4'-DDE in residential soils is 1,700 $\mu g/Kg$. Results from these analyses and the method detection limits are summarized on Table L Laboratory reports, *QA/QC* data and Chain-of-Custody Forrns are provided in Attachment 3.

6.2.7 Analysis of Soil Samples for Metals by EPA Method 6010B!7000

Metal concentrations of potential regulatory concern were not detected in any soil sample (including the background samples). Results from these analyses and the method detection limits are summarized on Table 2. Laboratory reports, QA/QC data and Chain-of-Custody Forms are provided in Attachment 3

6.2.8 Data Validation

All laboratory data obtained from on-site sampling activities was subjected to data validation to ensure that Data Quality Objectives were met and that data are suitable for use in human health evaluation of the site. A copy of the data validation report is included in Attachment 5

SECTION 7.0
COMMUNITY PROFILE

A Public Participation Plan (PPP) had not been prepared for this project since during the earlier assessment and remediation operations there was no regulatory agency involved in the project requiring preparation of a PPP. In addition, the DTSC did not require public participation.

The DTSC did, however, request that adjacent businesses be informed of the environmental investigation. During the week of December 6th, an EDFA representative visited each business and advised the on-site manager of the pending investigation, and provided EDFA's office number for additonal information No quesrions or comments were received.

SECTION 8.0
CONCLUSIONS AND RECOMMENDATIONS

8.1 SITE SUMMARY AND PRELIMINARY EVALUATION

LABS is a public High School located at 3591 Cenitos Avenue in Los Alamitos, California The area undergoing new construction has been used for vehicle parking since its acquisition in (approximately) 1968 Prior to that time (from about 1938 until 1968), the area was used for agriculture

In August 2004, construction workers at the site noticed a gasoline-like odor during the installation of an elevator piston shaft Although a UST had never been located on the LABS property, a demolished gasoline station was located on the adjacent property to the south. Remedial activities addressing both soil and groundwater were in progress at this location

The possibility of petroleum fuel contaminants at the Site led the District to request guidance from the DTSC School Site Evaluation Unit. The DTSC required a PEA at the site to evaluate the existence of petroleum fuel and other contaminants at the site, and (if such contaminants exist) to evaluate the health risk that they might pose.

EDFA was retained by the District to conduct the PEA This work was conducted, in general accordance with guidelines from the CallEPA DTSC PEA Guidance Manual (January 1994, second printing June 1999).

8.2 PEA INVESTIGATION

The DTSC required soil vapor, soil and groundwater sampling to evaluate the environmental regulatory issues for closure consideration. To satisfy this requirement, EDFA prepared a PEA investigation workplan, which was approved by the DTSC in November 2004

The workplan was implemented in December 2004. All field activities were coordinated with oversight provided by the DTSC, who also witnessed portions of the field activities. The investigation scope included the collection of ten soil gas samples (including 1 duplicate sample), twenty-eight soil samples (including 4 duplicates samples) and six groundwater samples (including 2 duplicate samples) from twenty-one pre-approved sample locations

Soil vapor samples were analyzed by an on-site laboratory for VOG by EPA Method 8260B. In addition, one duplicate soil vapor sample was collected into a summa canister and analyzed for VOG by EPA Method 8260B and TPH-G, TPH-D and TPH-O by modified EPAMethod 8015

Soil samples were analyzed for CAM 17 metals by EPA Method *6010/7000* and organo-chlorine pesticides by EPA Method 8081A

Groundwater samples were analyzed for VOCs by EPA Method 8260B and 1PH-G, 1PH-D and 1PH-O by modified EPA Metbod 8015

8.3 CONCLUSIONS

Based on direct observations and the analytical data developed by this PEA investigation, EDFA concludes that neither VOCS, organo-chlorine pesticides, CAM 17 metals nor petroleum fuel constituents are present in concentrations that would prevent the site from being used as intended Minor concentrations (less than 1 mg/Kg) of the pesticide 4,4'-DDE was detected in all but three soil samples. The EPA Region IX preliminary remediation goal (PRG) for 4,4'-DDE in residential soils is 1,700 $\mu g/Kg$ Therefore, the detected concentrations of 4,4'-DDE are not considered significant No other organo-chlorine pesticide was detected in any soil sample analyzed for those constituents.

8.4 RECOMMENDATIONS FOR FURTHER ACTION

EDFA recommends that the site be granted a full closure witb no further actions required.

SECfION9.0
REFERENCES

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USEPA, 1990b. Region 9 Laboratory Documentation Requirements for Data Validation. Document Control No. 9QA-07-90.. US.. Environmental Protection Agency, Region 9 San Francisco, California..

USEPA, 1994a. Guidance for the Data Quality Objectives Process EPA *QAlG-4.* Office of Research and Development US.. Environmental Protection Agency Washington, D..C..

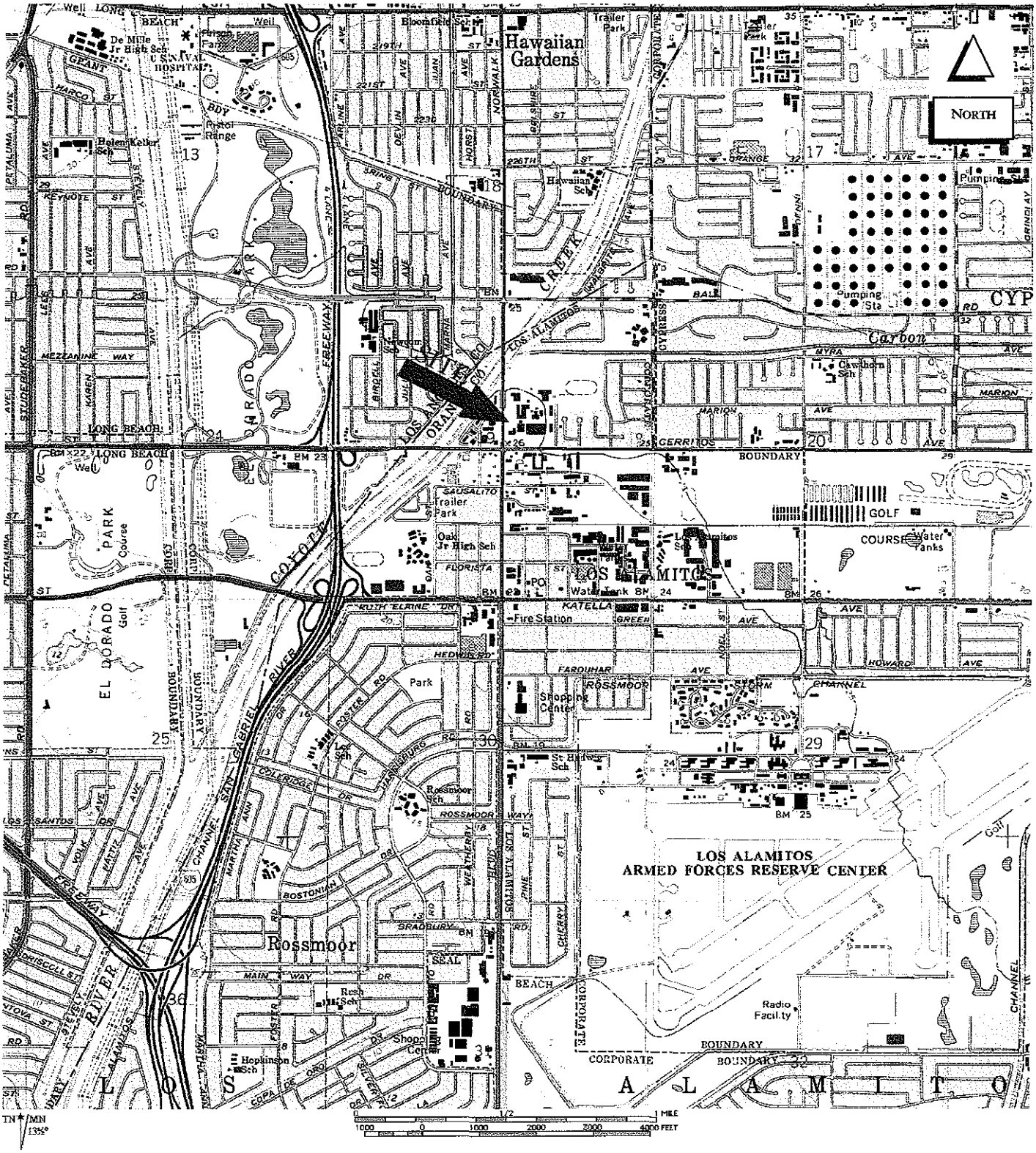
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USEPA, 1994c.. Contract laboratory Program National Functional Guidelines for Organic Data Review, EPA 540/R-94/012 Office of Emergency and Remedial Response. Washington, D..C..

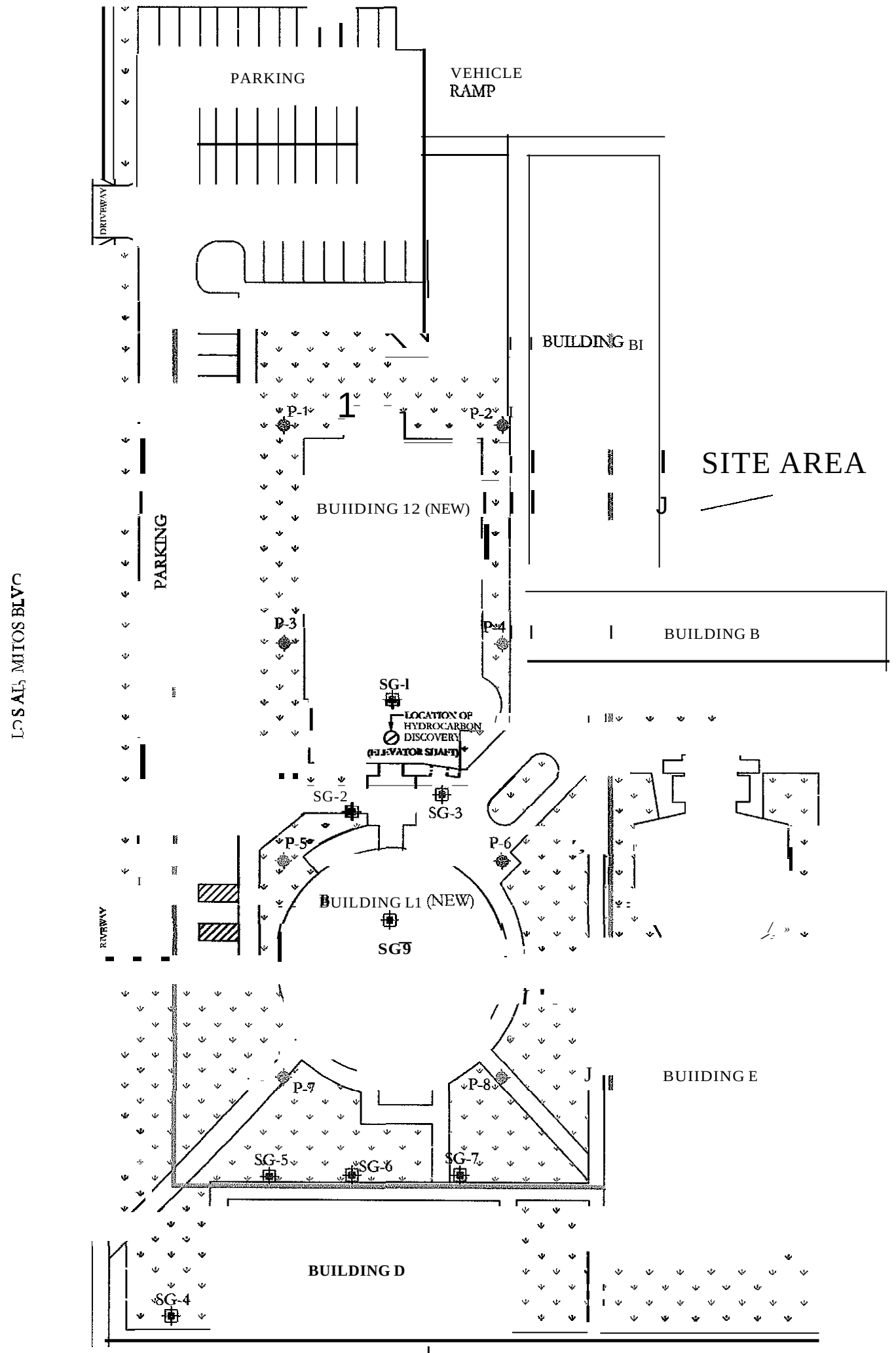
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USEPA, 1998b. EPA Requirements for Quality Assurance Project Plans for Environmental Data Operations, External Review Draft Final. EPA QAlR-S. Washington, D..C..



Prepared By: EDF-Associates, LLC Kalmus Drive, Suite H-11 Costa Mesa, CA 92626 (714) 444-1270	Project No 72.104 Date 09/27/04	Site Location Map LOS ALAMITOS HIGH SCHOOL 3591 Cerritos Avenue **Los Alamitos, Califotnia**	Figure 1



NOTE: Buildings L1 and 12 and the grounds surrounding them were under construction during sampling events.

LEGEND

PLANTER/GRASS

SG-1 SOIL GAS SAMPLE LOCATION

SG-2 SOIL GAS/GROUNDWATER SAMPLE LOCATION

P-1 SOIL BORING LOCATION FOR PESTICIDES & METALS

SAMPLE LOCATIONS ARE APPROXIMATE

FORMER SERVICE STATION

SCHOOL PARKING AREA

1

CERRITOS AYR,

N

0 50

FEET
(APPROXIMATE)

EDIFA

Prepared By:
EDF-AssoClates.lLC
Kalmus Dnve. Surte **H-l1**
Costa Mesa., CA 92626
(714) 444-1270

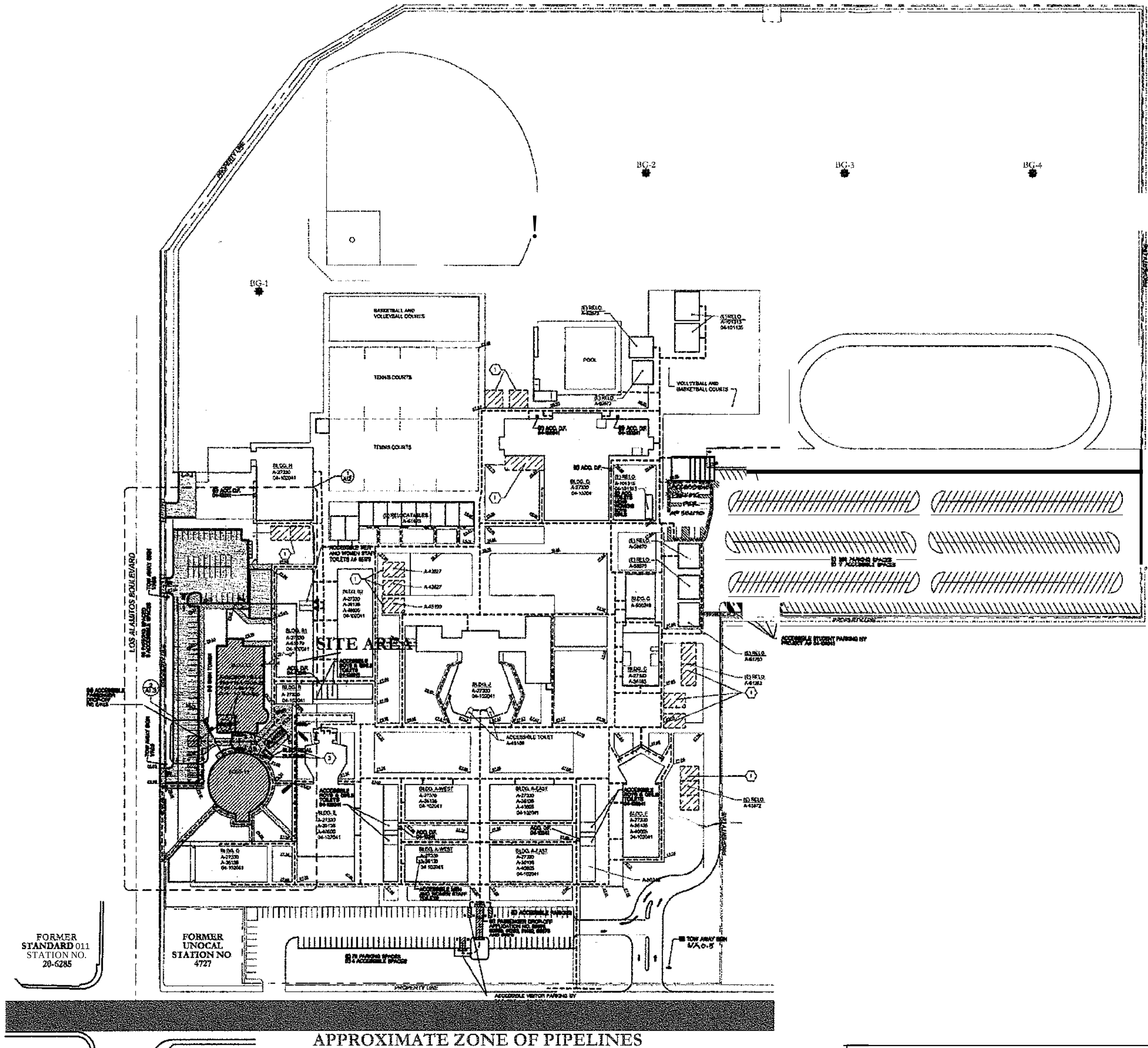
Project No.
72.104

Date:
03/11/05

Study Area Site Plan and Sampling Locations

Los Alamitos High School
3591 Cerritos Avenue
Los Alamitos, California

Figure
2



LEGEND

BACKGROUND SAMPlING
LOCATION FOR METAT.s

N

100
snm
(APPROXIMATE)

Prepared By:
EDF-Assodates, LLC
Kalmus Drive, Suite H-l1
Costa Mesa, CA 92626
(714) 4441270

Project No 72104	Los Alamitos High School Campus	Figure 3
Date 11/09/04	Los Alamitos High School 3591 Cerrieos Avenue Los Alamitos, California	

TABLE 1

SUMMARY OF PESTICIDE ANALYTICAl RESUl1S FROM SOIl ANAlYSES
Los Alamitos High School Preliminary Environmental Assessment

	EPA 8081A(μg/Kg)
Sample Number	4,4-DDE
P-1-Sur	210
P-1-3	42
P-2-Sur	34
P-2-3	3 1
P-3-Sur	90
P-3-3	ND
P-3-3 Dup	ND
P-4-Sur	95
P-4-3	45
P-5-Sur	ND
P-5-3	162
P-6-Sur	16
P-6-3	9
P-7-Sur	306
P-7-3	ND
P-7-3 Dup	ND
P-8-Sur	28
P-8-3	178

μg/Kg = Micrograms per kilogram
ND = Not Detected

TABLE 2

SUMMARY OF METAL ANALYTICAL RESULTS FROM SOIL ANALYSES

Los Alamitos High School Preliminary Environmental Assessment

	EPA6010B (mg/Kg)													
Sample Number	Arsenic	Barium	Beryllium	Cadmium	Chromium (Total)	Cobert	Copper	Lead	Mercury	Molybdenum	Nickel	Silver	Vanadium	Zinc
pol-Sur	ND	80	ND	ND	13	6	12	5	ND	ND	10	ND	27	48
P-3-J	ND	71	ND	ND	14	6	11	ND	ND	ND	9	ND	29	44
P-3-3 Dup	ND	57	ND	ND	8	5	8	ND	ND	ND	6	ND	17	31
P-5-3	ND	82	ND	ND	14	7	13	2	ND	ND	11	ND	33	50
P-7-Sur	ND	88	ND	ND	16	7	15	13	ND	ND	12	ND	30	51
BG-l	2.86	102	0.365	0.0864J	17.6	9.79	18.3	12.2	0.0671J	0.743	16.4	0.0701J	36.5	48.6
BG-2	5.89	155	0.436	ND	23.4	13.8	29.6	5.76	0.0589J	1.56	2.5	0.047J	46.1	60.7
BG-2Dup	6.34	156	0.515	0.039J	24.2	13.7	31.1	6.7	0.0539J	1.16	20.3	0.0264	48.7	62.2
BG-J	2.15	103	0.482	0.0949J	18.9	10.6	18.7	8.3	0.0309J	0.144 UJ	15.3	0.0426J	41.1	56.3
BF-4	1.85	77.1	0.382	ND	15	9.18	11.6	6.98	0.0212J	0.805	11.7	ND	33.3	48.3

mg/Kg = Milligrams per kilogram

ND = Not Detected

J = Estimated value

U = Compound or analvte was analyzed for but not detected at or above the stated limn

ATTACHMENT **1**

HISTORICAL TOPOGRAPHIC MAPS



EDR™ Environmental
Data Resources Inc

The EDR-Historical Topographic Map Report

Los Alamitos High School
Cerritos AveiL os Alamitos Blvd
Los Alamitos, CA 90720

September 13, 2004

Inquiry Number: 1267098-4

The Standard In Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06460

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802

Environmental Data Resources, Inc.
Historical Topographic Map Report

Environmental Data Resources, Inc's (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property, and its surrounding area, resulting from past activities ASTM E 1527-00, Section 7.3 on Historical Use Information, identifies the prior use requirements for a Phase I environmental site assessment The ASTM standard requires a review of *reasonably ascertainable standard historical sowces Reasonably ascertainable is defined as information that 11 publici)' available obtainable from a source with reasonable time and cost* ***constraints, and practically*** *reviewable*

To meet the prior use requirements of ASTM E 1527-00, Section 7 3 4, the following *standard historical sources* may be used: aerial photographs, city directories, fire insurance maps, topographic maps, property tax files, land title records (although these cannot be the sale historical source consulted), building department records, or zoning/and use records ASTM E 1527-00 requires *"All obvious uses of the property shall be Identified from the present back to the property's obvious first developed use* or *back to 1940, whichever is earlier This task requires reviewing ani)' as manv of the standard historical sources as are necessary, and that are reasonably ascertainable and likelv to be useful "* (ASTM E 1527-00, Section 732 page 12)

EDR's Historical Topographic Map Report includes a search of available public and private color historical topographic map collections

Iopographic Maps
A topographic map (topo) is a color coded line-and-symbolrepresentation of natural and selected artificial features plotted to a scale Topos show the shape, elevation, and development of the terrain in precise detail by using contour lines and color coded symbols Many features are shown by lines that may be straight, curved, solid, dashed, dotted, or in any combination The colors of the lines usually indicate similar classes of information For example, topographic contours (brown); lakes, streams, irrigation ditches, etc (blue); land grids and important roads (red); secondary roads and trails, railroads, boundaries, etc (black); and features that have been updated using aerial photography, but not field verified, such as disturbed land areas (e g, gravel pits) and newly developed water bodies (purple)

For more than a century, the USGS has been creating and revising topographic maps for the entire country at a variety of scales There are about 60,000 US Geological Survey (USGS) produced topo maps covering the United States Each map covers a specific quadrangle (quad) defined as a four-sided area bounded by latitude and longitude Historical topographic maps are a valuable historical resource for docnmenting the prior use of a property and its surrounding area, and due to their frequent availability can be particularly helpful when other standard historical sources (such as city directories, fire insurance maps, or aerial photographs) are not reasonably ascertainable

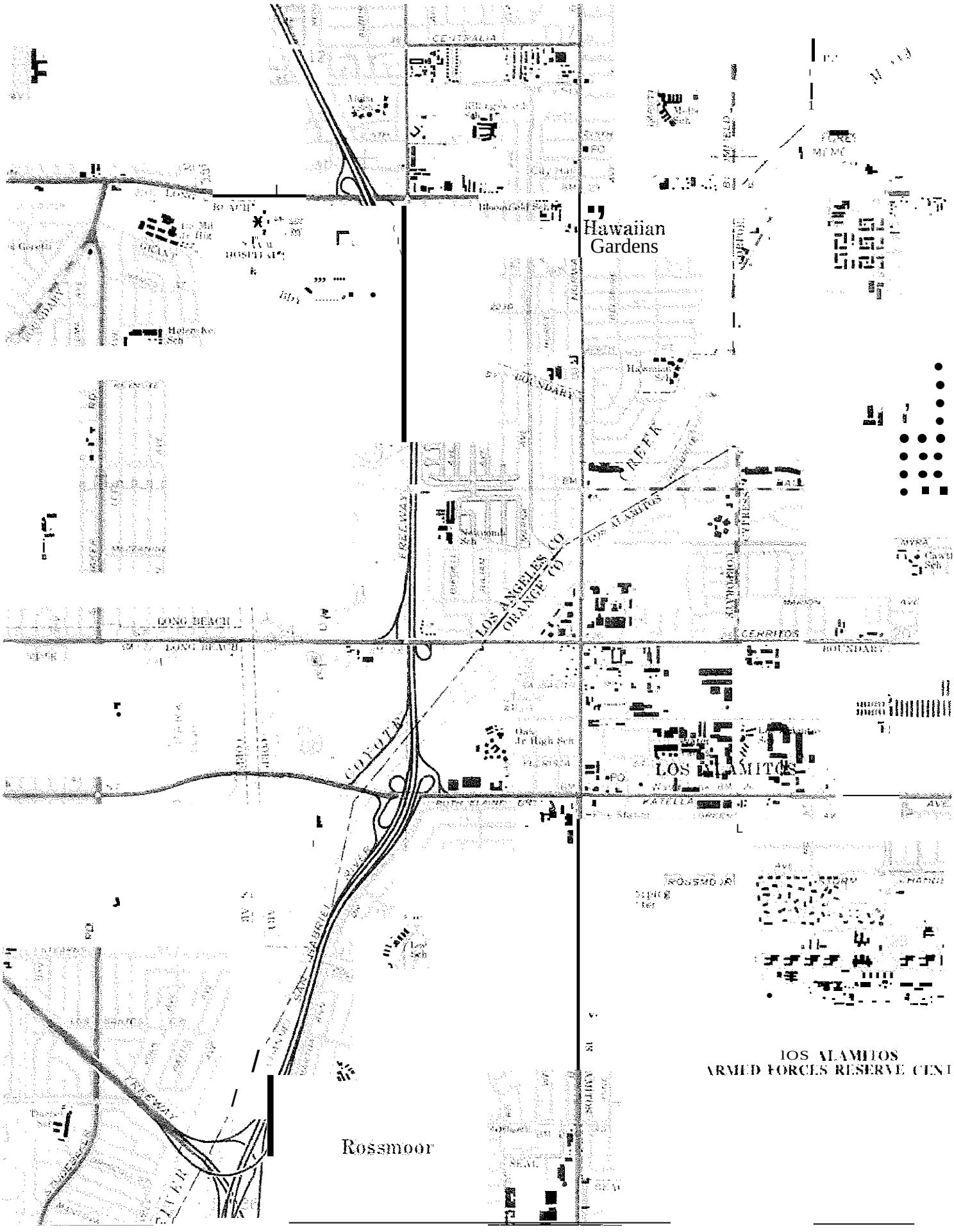
Please call EDR Nationwide Customer Service at
1-800-352-0050 (8am-8pm EI)
with questions or comments about your report
*Thank)'ou for your business*ı

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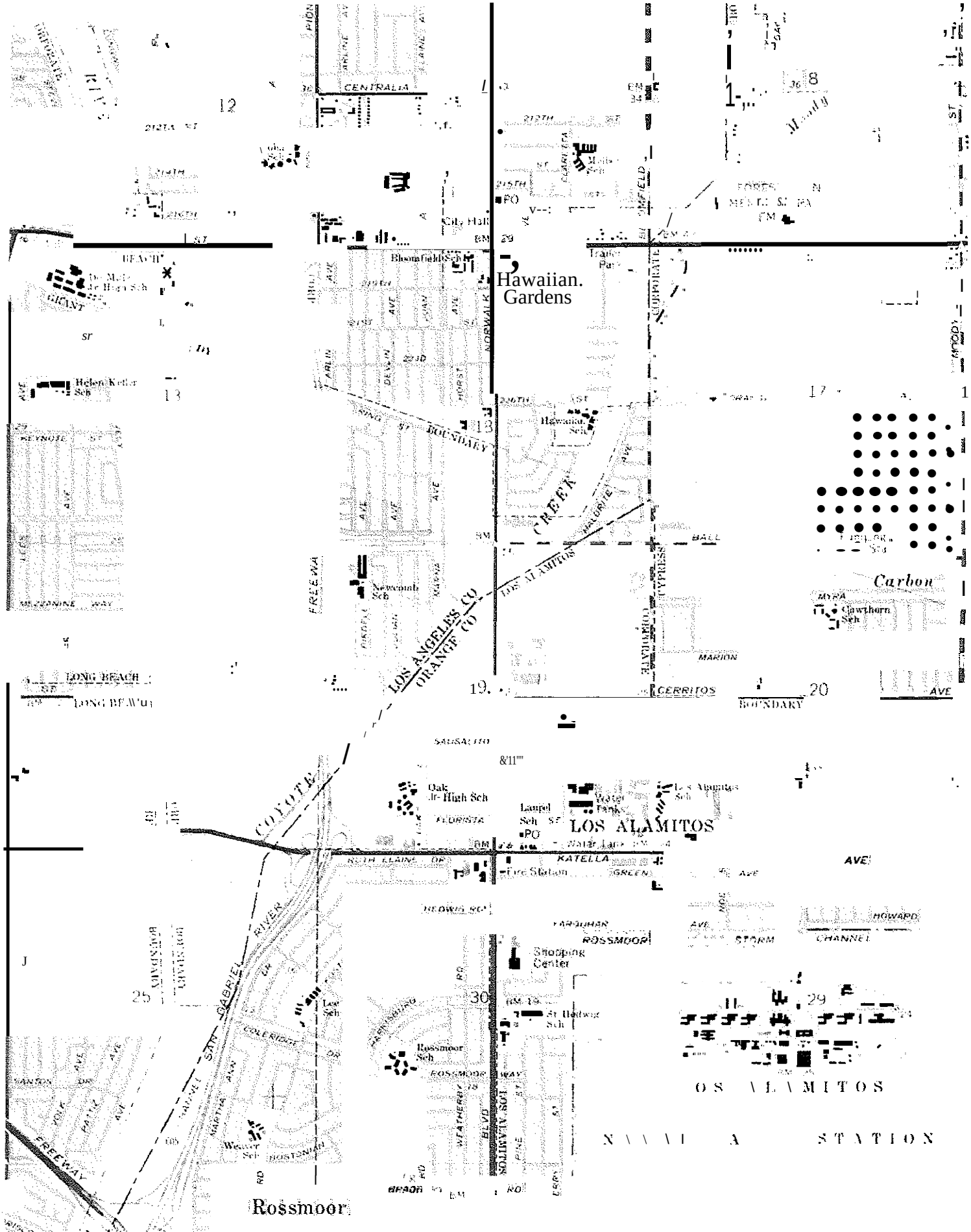
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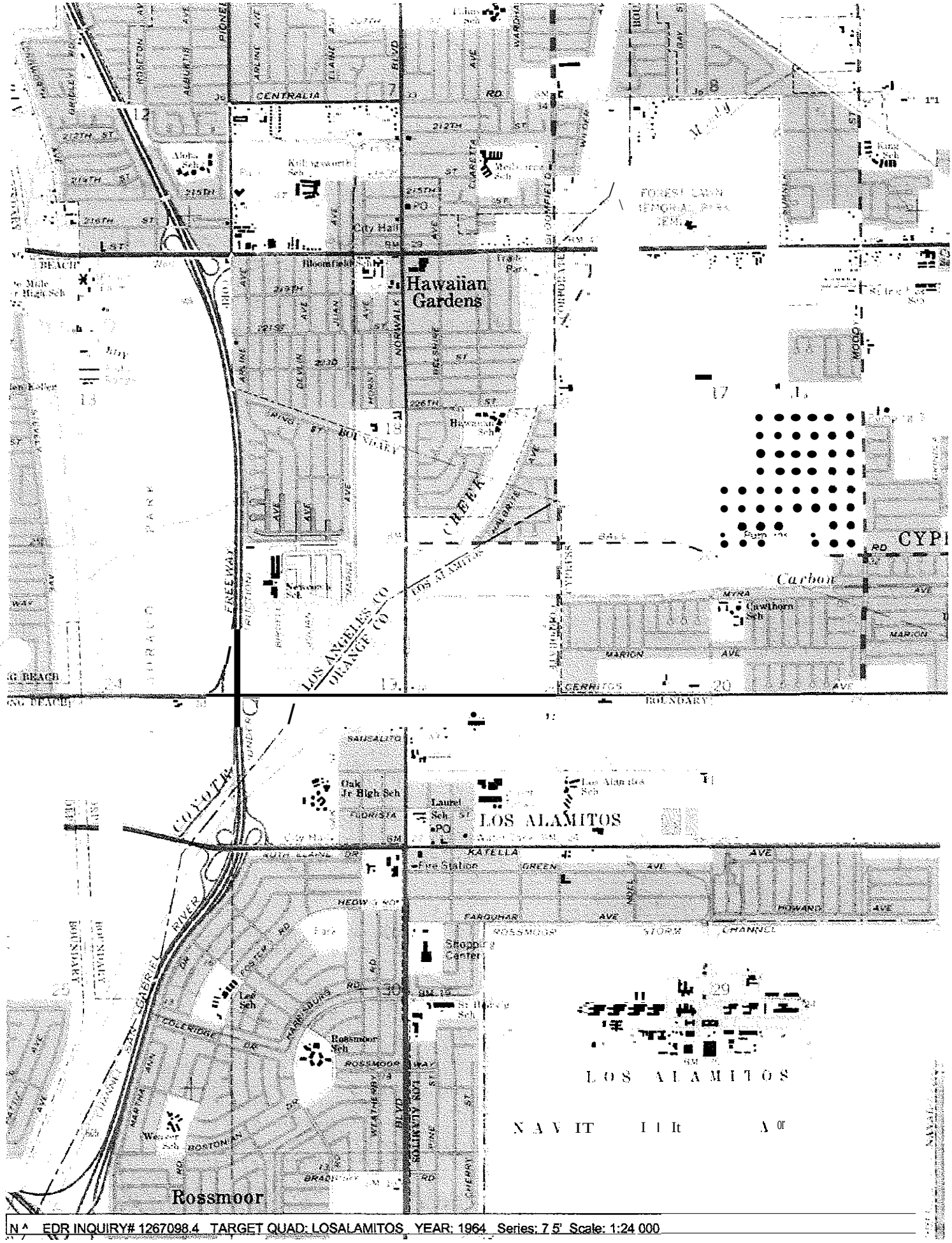
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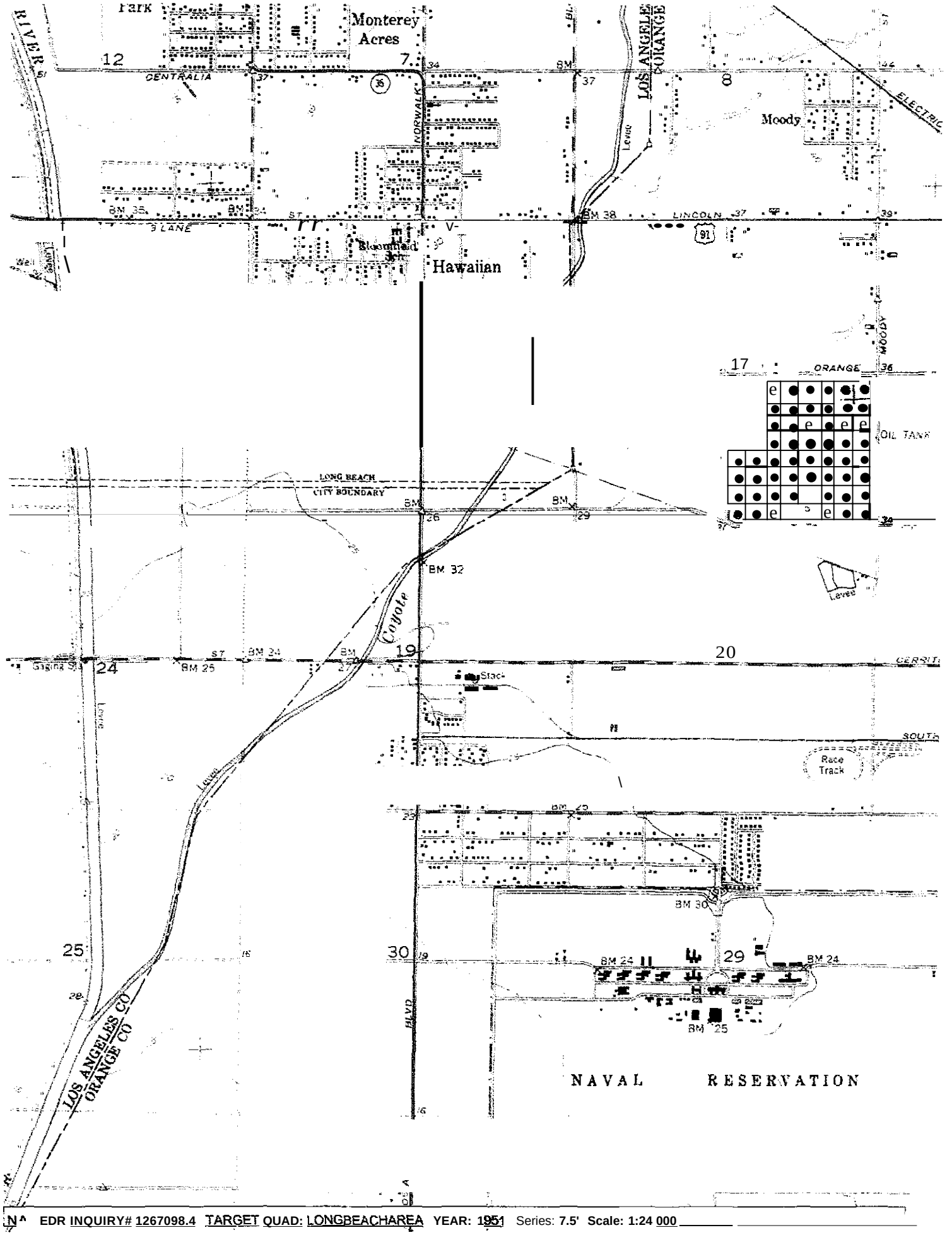
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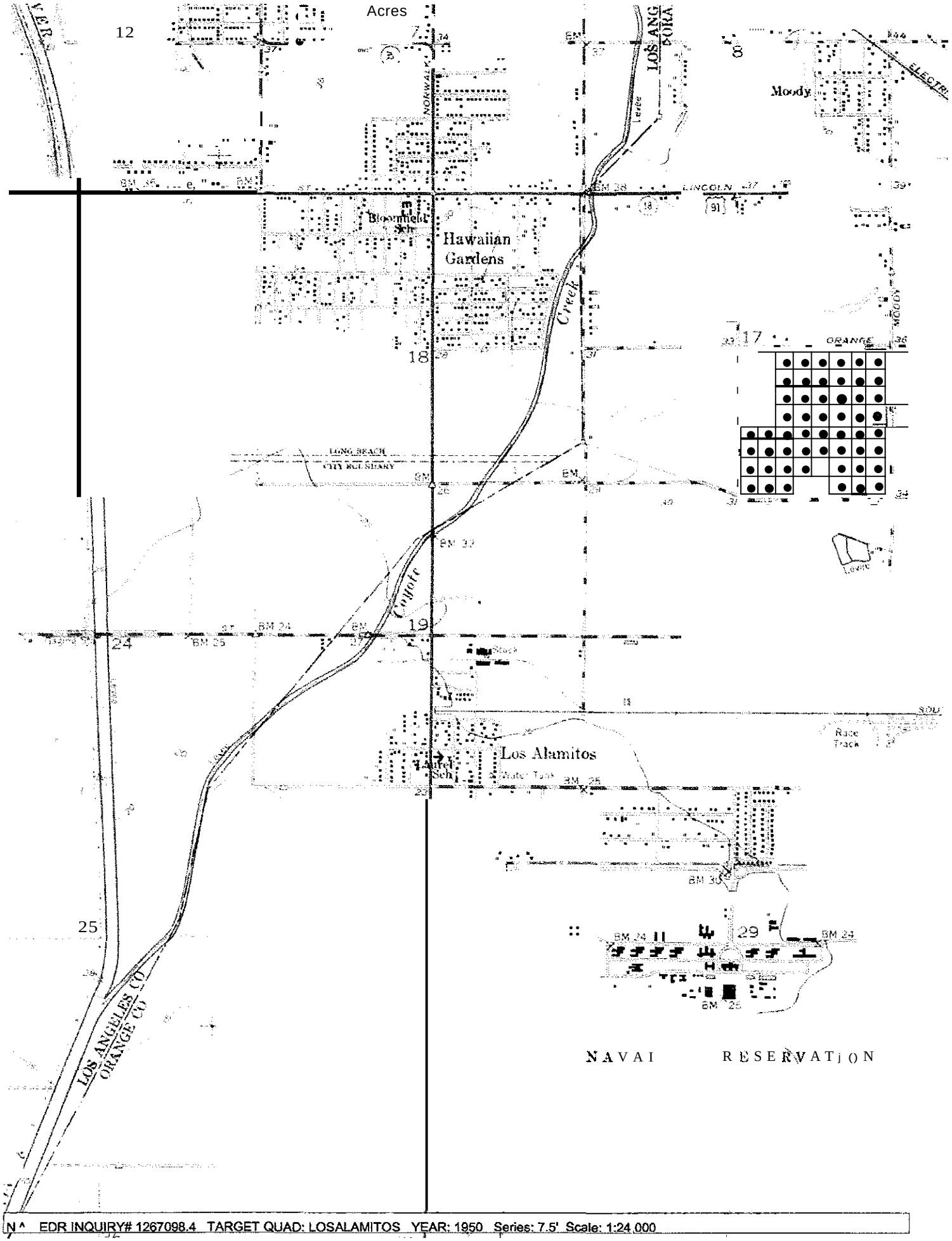


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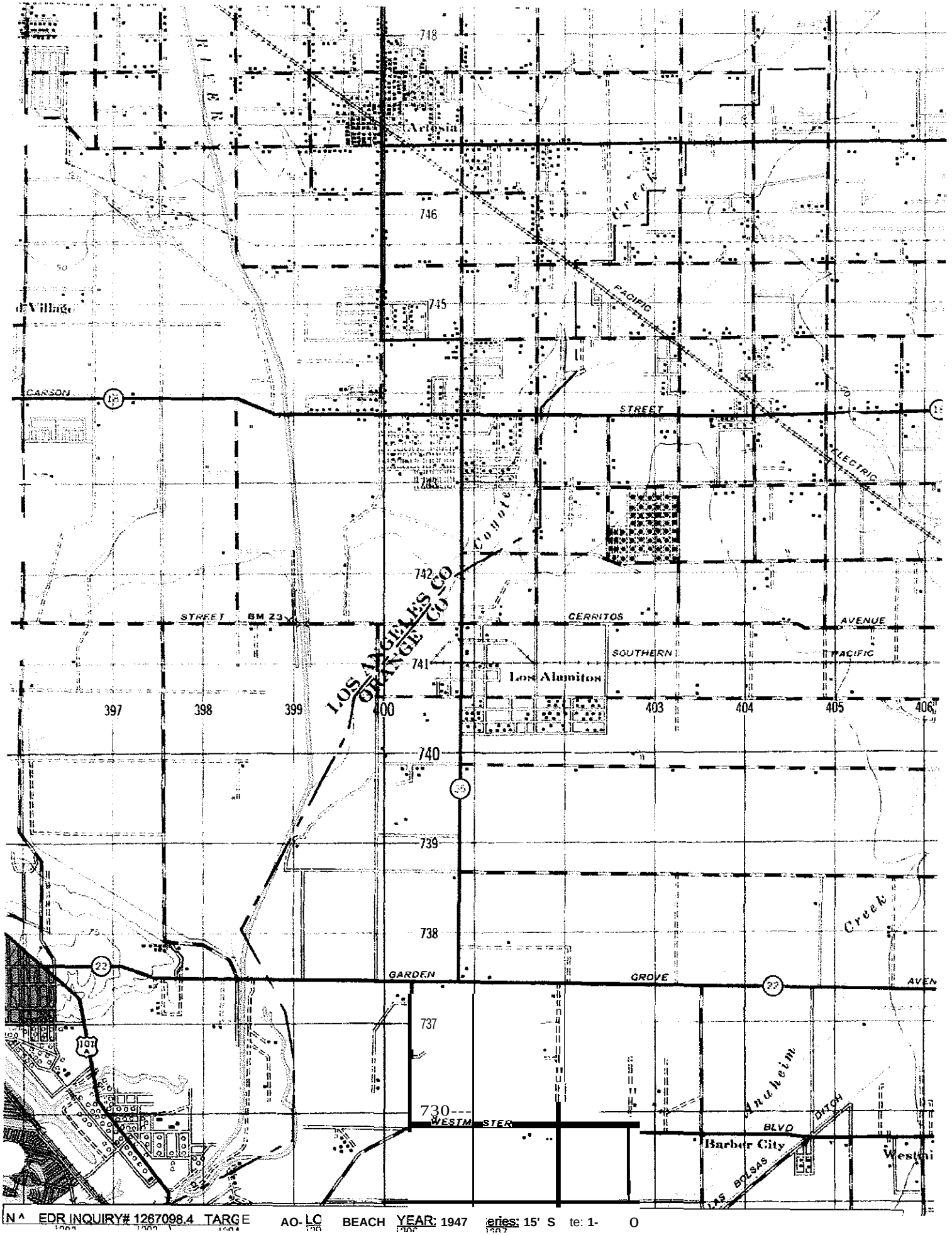

Hawaiian.
Gardens
Carbon
LOS ALAMITOS
Rossmoor
OS \ L \ MITOS
N \ \ \ I A STATION
LOS ANGELES CO
ORANGE CO
LONG BEACH
BEACH
CREEK
FREEWAY
RIVER
SAN GABRIEL
COYOTE
BOUNDARY
CERRITOS
CENTRALIA
KATELLA
ROSSMOOR
Oak Jr High Sch
Laurel Sch
Fire Station
Shopping Center
Rossmoor Sch
Hawaiian Sch
Newcomb Sch
Clawthorn Sch
Helen Keller Sch
Bloomfield Sch
City Hall
Post Office
Water Park
STORM
CHANNEL
HOWARD
AVE
BALL
MARION
CORPORATE
FLORISTA
COLERIDGE
WEATHERBY
ROSSMOOR WAY
LOS ALAMITOS BLVD
GRANT
REYNOLDS
MELPOINE WAY
NORWALK
CARLIN
DEVIN
HORST
MYRA
CYPRESS
GOLDEN
12
13
15
17
19
20
25
29
30
J


Hawaiian Gardens
CENTRALIA
RD.
212TH
215TH
216TH
218TH
220TH
226TH
BEACH
BLVD.
NORWALK
ARLINE
CLAINE
WARDLOW
CARMENITA
CORBRIDGE
CYPRESS
FREEWAY
SAN GABRIEL RIVER
LOS ANGELES CO
ORANGE CO
CREEK
Carbon
MYRA
MARION
AVE.
CERRITOS
BOUNDARY
SAUSALITO
COYOTE
Oak Jr High Sch
Laurel Sch
PO
LOS ALAMITOS
KATELLA
Fire Station
GREEN
FARQUHAR
ROSSMOOR
HOWARD
CHANNEL
Shopping Center
Rossmoor Sch
COLERIDGE
HARBOURS
WEATHERBY
BOSTON
Rossmoor
LOS ALAMITOS
NAVY
1"1

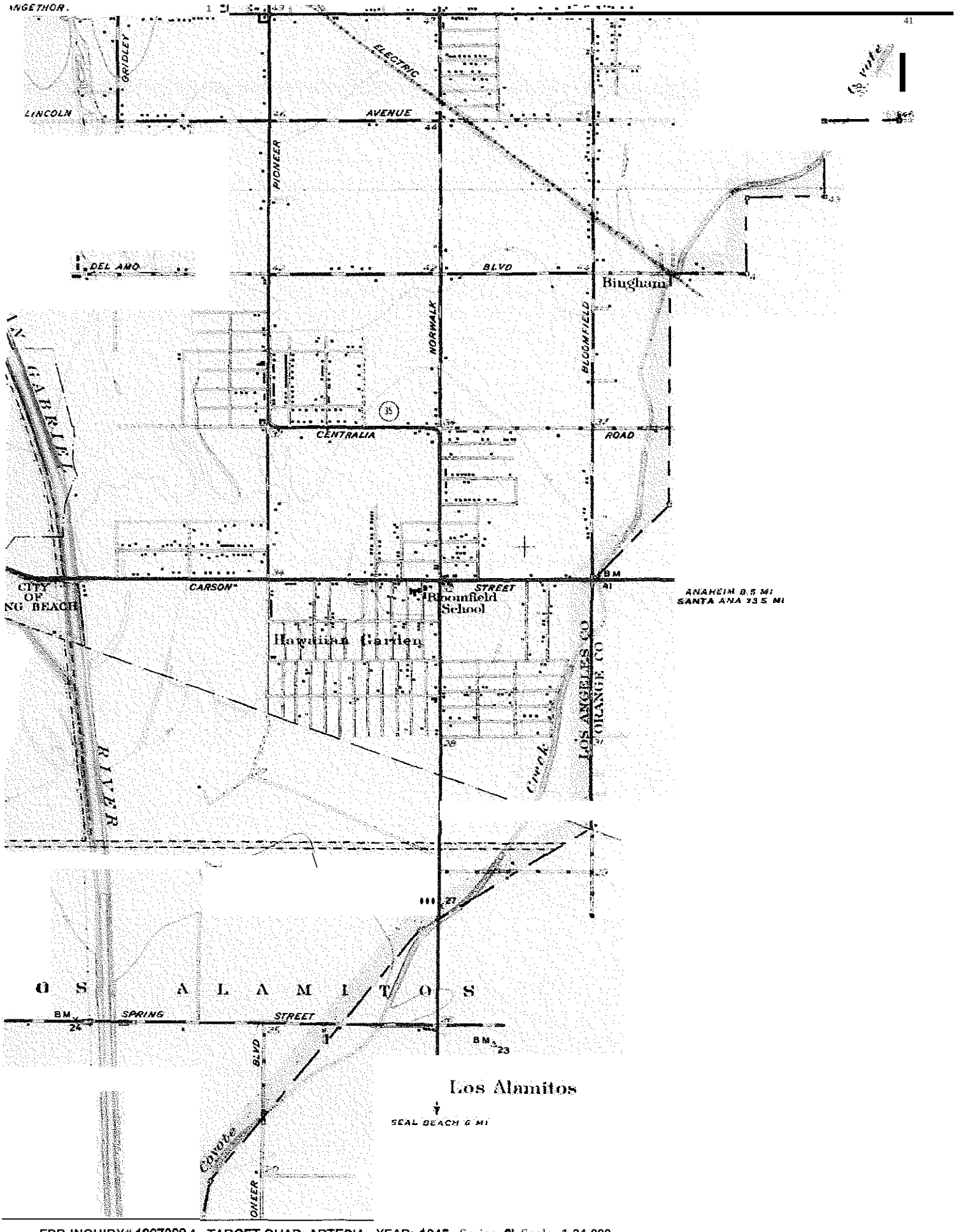

Park
Monterey Acres
RIVER
CENTRALIA
NORWALK
LOS ANGELES ORANGE
Moody
ELECTRIC
Levee
BM 35
BM 34
BM 38
LINCOLN
9 LANE
Bloomfield
Hawaiian
ORANGE
OIL TANK
LONG BEACH CITY BOUNDARY
BM 32
Coyote
BM 24
BM 25
Stack
SOUTH
Race Track
BM 30
BM 29
BM 24
BM 25
LOS ANGELES CO
ORANGE CO
NAVAL RESERVATION

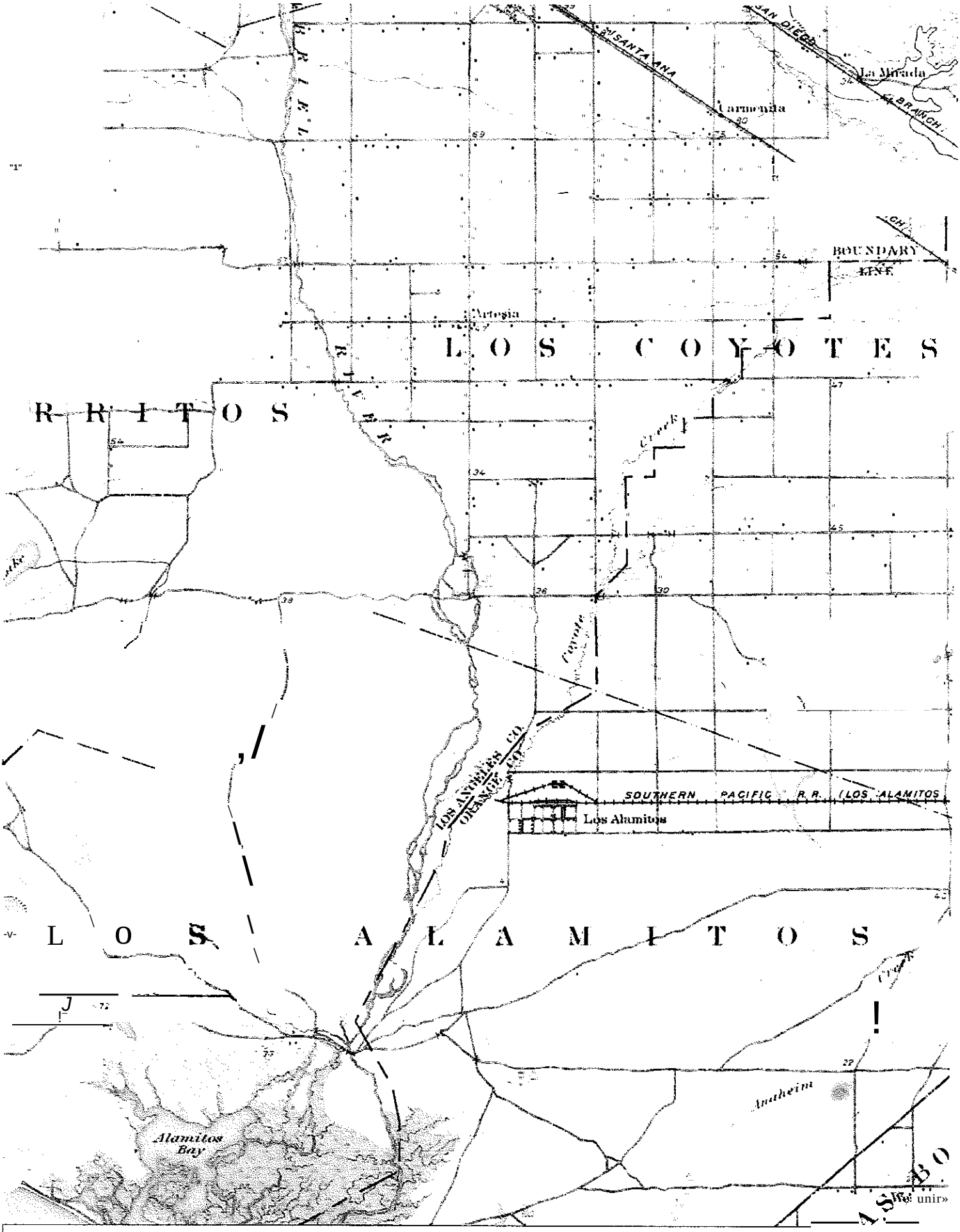


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N^ EDR INQUIRY# 1267098.4 TARGE AO- LC BEACH YEAR: 1947 eries: 15' S te: 1- O


LINCOLN
AVENUE
ELECTRIC
PIONEER
DEL AMO
BLVD
Bingham
NORWALK
BLOOMFIELD
CENTRALIA
ROAD
CARSON
STREET
Broomfield School
Hawaiian Garden
CITY OF NG BEACH
LOS ANGELES CO
ORANGE CO
RIVER
ANAHEIM 8.5 MI
SANTA ANA 13.5 MI
SPRING
STREET
Los Alamitos
SEAL BEACH 6 MI
Coyote
BLVD


SAN DIEGO
SANTA ANA
La Mirada
Carmenita
BOUNDARY
LINE
Artesia
L O S C O Y O T E S
R R I T O S
SOUTHERN PACIFIC R.R. (LOS ALAMITOS
Los Alamitos
L O S A L A M I T O S
Alamitos Bay
Anaheim

ATTACHMENT 2

BORING LOGS

Strategic Environmental COJlm!tillg Senices

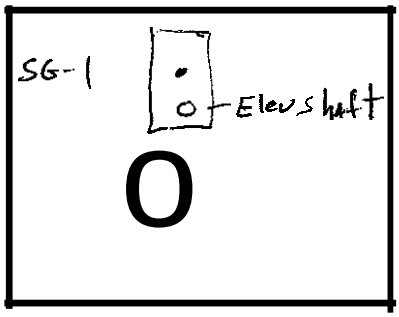
Drilling Log

School

Well/Boring Number: SG-1

Diameter: 2-INC 1/4

Total Depth: .S. feeT



Depth (Ft.)	Sample Number	Headspace Meaeuremerrt	Breathing Space	Description / Soil Classification
-O-				INSlall Soil GAS Probe to 5' bas
	—			So.l GAS Only
-5-				take Duplicate Soil GAS 'n Summa CANIST->
				top o# Probe Sealed w/' hudrated bentonite
				Control flow i; <200 ML/M
				Tracer: gas 11-ACE
				ND for VOCs

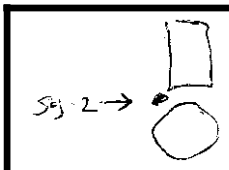
Page _,- of 1

ECFA *Strategic Environmental Consulting Senices*

Drilling Log

Project: Los Alamitos high School
Location: Los Alamos, CA
Well/Boring Numbel': SG-2
Diameter: 2-inch
Total Depth: 20 feet
Drilling Co.: ITSP LABS
Drilling Method: GeoProbe
Log By: SJ
Date Drilled: 2/4/05

Boring Location Sketch



Depth (Ft.)	Sample Number	Headspace Measurement	Breathing Space	Description / Soil Classification
0		0 ppm	0 ppm	In-situ soil vapor probe to 5' bgs @ (0930) - ND for VOCs
2	SB-2-2			Silty Clay - brn - slightly moist and/sub thin grit - crumbles easily
5	SB-2-5	0 ppm	0 ppm	massive - no apparent structure / As Above:
10	SB 2-10	0 ppm	0 ppm	Sandy Silty Gravel: brn to tan - dry - crumble easily - gravels sub'all to medium - mostly Amphibolite - some Schist rock - Itphenis granitic @ 11' bgs - Clay - brn - massive - plastic - moist
15	SB-2-15	0 ppm	0 ppm	12-13 bgs - Sandy CU w/grit - brn - crumbly - slightly moist - then @ 13 14' bgs clay as previously described
20	SB 2-20	0 ppm	0 ppm	1st - Sandy Clay - near Saturated, otherwise (as Above - 20' - Soil AS ABOVE - (NEAR SATURATION)

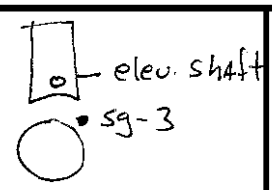
Set Hydropunch to collect water sample -

* Groundwater Sample SG-2

FA *Strategit Environmental Constlting Seniies*

Drilling Log

PI'oject: Los Alamitos High School
Location: Los Alamitos, CA
Well/Boring Numbel': SG-3
Diameter: 2-inch
fge
Drilling Co.: HFS LABS
Log By: COT
Drilling Method: Geo Probe
Date Drilled: 2/14/05



Boring Location Sketch
SG-3

Depth (Ft.)	Sample Number	Headspace Measurement	Breathing Space	Description / Soil Classification
0				Install Probe to 5' bgs (0947
				SG-3 - non detect for VOCs
5				

Page 1 of 1

EDFA *Strategic Environmental Consll/ting Senices*

Drilling Log

Pt'oject: LCS Alamitos High School
Location: Los Alamitos, CA
Well/Boring Numbet': SG-9
Diameter: 2-(' v
Total Depth: o feet
Drilling Co.: H&P AES
Log By: EM
Drilling Method: GeoProbe
Date Drilled: 2/14/05

SG-9 (·)

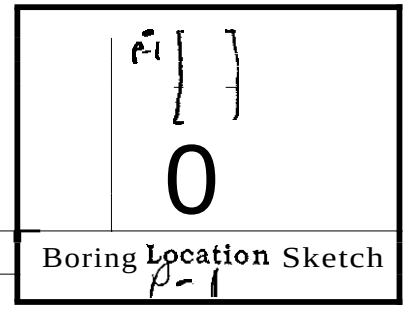
Boring Location Sketch
SG-9

Depth (Ft.)	Sample Number	Headspace Measmement	Breathing Space	Desctiption / Soil Classification
0			0 PPM	Concrete - 2" thick
2	SB-9-2		0 PPM	Silty Clay - Brn, dry to moist, trace crumbles easily - Fine to med Hard like grit.
5	SB-5		0 PPM	As Above
8				Sandy silt - Brn, dry w/ Abundant Rock Frag. & Any/Sub Ang Gravels
10	SB-9-10		PPM	Silty clay - Brn, moist to dry crumbles easily; trace med plastic fibers
12				
14				
15	SB-9-15		C PPM	No Recovery 14-15 ft bgs 14' core - Soil As Above
16				
20	SB-9-20		C PPM	No Sample Recovery
				Collect GW Sample. SG-9
				Collect GW Sample SG-9-N

EDFA *Strategic Environmental Consulting Services*

Drilling Log

Project: Los Al High Schoo
Location: Los tos CA
Well/Boring Number: P-1
Diameter: 2- inch
Total Depth: 4 feet
Drilling Co.: H3P LABS
Log By: EDF
Drilling Method: GeoProbe
Date Dtilled: 2/14/05



Boring Location Sketch P-1

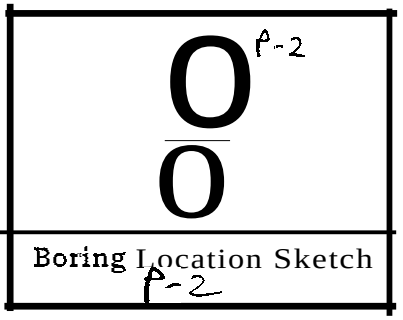
Depth (Ft.)	Sample Number	Headspace Measurement;	Breathing Space	Description / Soil Classification
0	P-1-Sur			Asphalt ~ 4 inches
2	P-1-3			Silty clay - brn - moist - w/ Ang/Sub Ang Grit - crumbles easily - moisture decreases with depth
4				

EDFA *Strategic Environmental Consulting Services*

Drilling Log

Project: Los Alamitos High School
Location: Los Alamitos CA
Well/Boring Number: P-2
Diameter: 2- inch
Total Depth: 4 feet.
Drilling Method: Geo Probe
Date Drilled: 2/14/05

Boring Location Sketch

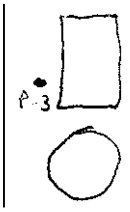


Depth (Ft.)	Sample Number	Headspace Measurement	Breathing Space	Description / Soil Classification
0	P-2-Surf	<	<	Silty clay - brn - very moist - some Angular grit - clay
2	P-2-3			Laminations to increase w/depth.
4				

EI)FA *Strategit Environmental Const/lting Sertices*

Drilling Log

Project: Los Alamitos High Schoo
Location: Los Alamitos, CA
Well/Boring Number: P-3
Diameter: 2- inch
Total Depth: 4 feet
Drilling Co.: H&P Labs
Drilling Method: Geo probe
Log By: EDF
~~Date Dtilled:~~ 8/11/25



Boring Location Sketch P-3

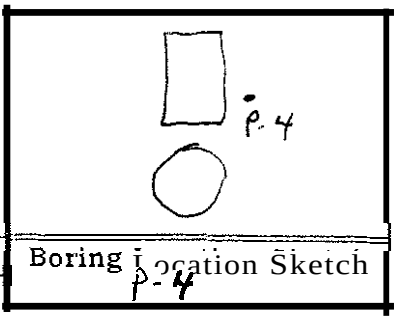
Depth (Ft.)	Sample Number	Headspace Measurement	Breathing Space	Description / Soil Classification
0	P-3-SUR	-	-	Asphalt ~ 4"
		)	)	silty Clay - brn moist w/ fine to
2		!	/	med Sand. Grit - Crumbles
	P-3-3	-	\	easily - moisture decreases
4		)	|	with depth
		(	/	

Page 1 of 1

)FA *Strategic Environmental Consulting Scnites*

Drilling L.og

Project: Los Al :r High School
Location: Los ntos, UCA
Well! Boring Numbez': P-4
Diameter: 2- inch
Total Depth: 4 feet
Drilling Co.: H3P LABS
Log By: EBK
Drilling Method: HAND Auger
Date Drilled: 2/14/05



Boring Location Sketch P-4

Depth (Ft.)	Sample Number	Headspace Measurement;	Breathing Space	Description! Soil Classification
0	P-4-SUR			SANDY SILT - BRN - VERY DRY - CRUMBLES EASILY - FINE TO MED ANG GRAINS / GRIT - SAND CONTENT APPEARS TO INCREASE W/ DEPTH NO DISTINCT SAND LAYER
2	P-4-3			
4				

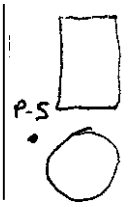
Page 1 of 1

EDFA *Strategic Emironmental Constflting Services*

Drilling Log

Project: Los Alamitos High Schoo
Location: Los Alamitos, CA
Well/Boring Number: P-5
Diameter: 2-Inch
Total Depth: 4 feet
Drilling Co.: HSP Labs
Log By: EDF

Drilling Method: Geo robe
Date Drilled: 2 oS



Boring Location Sketch
-S

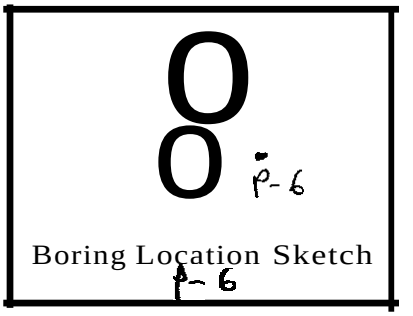
Depth (Ft.)	Sample Number	Headspace Measurement	Breathing Space	Description / Soil Classification
0	P.5-Sur			Asphalt ~ 4"
2	P-5-3			Silty Clay - brn moist w/ fine to med Angular Grit - Crumbles easily - moisture decreases w/depth
4				

EDFA *Strategic Environmental Consulting Services*

Drilling Log

Project: Los Alamitos High School
Location: Los Alamitos, CA
Well/Boring Number: P-6
Diameter: 2-inch
Total Depth: 4 feet
Drilling Co.: H&P Labs
Log By: EDF

Drilling Method: Hand Auger
Date Drilled: 7/14/05



Depth (Ft.)	Sample Number	Headspace MeaSUI'ement	Breathing Space	Description / Soil Classification
0	P-6-Sur			Sandy SiLt - brN - very dry - crumble easily - sand increases w/depth, but no distinct c. [/ layer
2	P-6-3			
4				

)FA

Strategic Environmental CotiStflting Senices

Drilling Log

Project: Los Al___s High School
Location: Los 1, tos UCA
Well/Boring Number: 'P-7
Diameter: 2- inch
Total Depth: 4 feet
Drilling Co.: H3P LA3C
Drilling Method: GeoProbe
Log By: EDF
Date Drilled: 2/14/05

0

P-7

Boring Location Sketch
P-7

Depth (Ft.)	Sample Number	Headspace Measuremerit	Breathing Space	Description / Soil Classification
0	P-7-Sur			Asphalt ~ 4 inches
2	P-7-3			Silty Clay - brn - moist w/ fine to med grit - crumbles easily - massive - no apparent structure,
4				

EDFA

Strategic Environmental Consulting Services

Drilling Log

PI'oject: Los Al os High School

O

O - P-8

Boring Location Sketch

P-8

Depth (Ft.)	Sample Numbel'	Headspace Measurement	Breathing Space	Description / Soil Classification
0	P-8-Sur			Silty clay – brn – moist – massive w/ fine to m L Angular s-l: Angular grit – moisture decreasing with depth.
2	P-8:3	1-----1	1------1	
4				

ATTACHMENT 3

LABORATORYREPORTS, QAlQC DATA, AND CHAIN-OF-CUSTODYFORMS

SOIL VAPOR ANALYSES

MOBILE GEOCHEMISTRY

H&P

23 December 2004

Mr. Greg Bishop
EDF Associates
151 Klamus Drive, Suite E-140
Costa Mesa, CA 92626

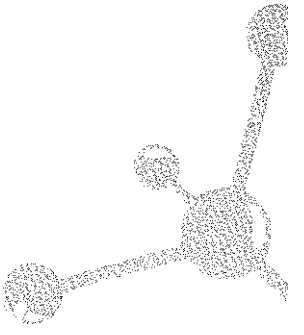
RE: EDF122204-L4

Enclosed are the results of analyses for samples received by the laboratory on 22-Dec-04 If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tamara Davis
Laboratory Director

H&P Mobile Geochemistry mobile labs operate under CA Environmental Lab Accreditation Program Numbers 1561,2088,2278 and 2530



432 North Cedros Avenue Solana 8each California 92075 | 8587930401 - Fax 858 793 0404
148 South Vinewood street Escondido California 92029 | 760 735 3208 - Fax 760 735 2469
3825 Industry Avenue, Lakewood Caiifornia 90712 | 5624266991- Fax 562 426 6995
www HandPmg com 11-800-834-9888

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF122204-14	
151 Klamus Drive, Suite E-140	Project Number: 72 104; Los Alamitos HS	Reported:
Costa Mesa CA, 92626	Project Manager: Mr. Greg Bishop	23-Dec-04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SG-8-5, PV 30cc	4412006-01	**Vapor**	22-Dec-04	22-Dec-04
SG-8-5, PV 90cc	4412006-02	**Vapor**	22-Dec-04	22-Dec-04
SG-8-5, PV 210cc	4412006-03	vapor	22-Dec-04	22-Dec-04
SG-4-5, PV 90cc	4412006-04	**Vapor**	22-Dec-04	22-Dec-04
SG-5-5, PV 90cc	4412006-05	**Vapor**	22-Dec-04	22-Dec-04
--5-5, Duplicate	4412006-06	**Vapor**	22-Dec-04	22-Dec-04
SG-6-5, PV 90cc	4412006-07	**Vapor**	22-Ooc-04	22-Dec-04
SG-7-5, PV 90cc	4412006-08	**Vapor**	22-Dec-04	22-Dec-04

Three purge volumes were used to collect the soil vapor samples

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF 122204-L4	
151 Klamus Drive, Suite E-140	Project Number: 72.104; Los Alamitos HS	**Reported:**
Costa Mesa *CA, 92626*	**Project Manager:** Mr **GregBishop**	23-Dec-04

Volatile Organic Compounds by EPA Method 8260B

Lab 4

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-8-S, **PV** 30cc (4412006-01) Vapor	Sampled: 22-Dec-04	Received: 22-Dec-04							
1,1-Difluoroethane	ND	10	*ugll*	005	4lA2201	22-Dec-04	**22-Dec-04**	EPA 8260B	
SG-8-S, **PV** 90cc (4412006-02) Vapor	Sampled: 22-Dec-04	Received: 22-Dec-04							
1,I-Difluoroethane	ND	10	ugll	005	4142201	22-Dec-04	**22-Dec-04**	EPA 8260B	
3-5, **PV** 210cc (4412006-03) Vapor	Sampled: 22-Dec-04	Received: 22-Dec-04							
1, r-Difluoroethane	ND	10	ugll	0.05	4142201	**22-Dec-04**	**22-Dec-04**	EPA 8260B	
SG-4-S, **PV** 90cc (4412006-04) Vapor	Sampled: 22-Dec-04	Received; **22-Dec-04**							
1,1-Difluoroethane	ND	10	ugll	005	4142201	**22-Dec-04**	**22-Dec-04**	EPA 8260B	
SG-S-S, **PV** 90cc (4412006-05) Vapor	Sampled: 22-Dec-04	**Received: 22-Dec-04**							
Ll-Difluoroethane	ND	10	ugll	005	4142201	**22-Dec-04**	22-Dec-04	EPA 8260B	
SG-S-S, Duplicate (4412006-06) vapor	Sampled: 22-Dec-04	**Received: 22-Dec-04**							
I,I-Difluoroethane	ND	10	ug/l	005	4L42201	**22-Dec·04**	22-Dec-04	EPA 8260B	
SG-6-S, **PV** 90cc (4412006-07) Vapor	Sampled: 22-Dec-04	**Received: 22-Dec-04**							
1,1-Difluoroethane	ND	10	ugll	005	4142201	**22-Dec-04**	**22-Dec-04**	EPA 8260B	
SG-7-S, **PV** 90cc (4412006-08) Vapor	Sampled: 22-Dec-04	**Received: 22-Dec-04**							
I,l-Difluoroethane	ND	10	ugll	005	4142201	22-Dec-04	**22-Dec-04**	EPA 8260B	

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF122204-L4	
151 Klamus Drive, Suite E-140	Project Number: 72 104; Los Alamitos HS	Reported:
Costa Mesa CA, 92626	Project Manager: Mr Greg Bishop	23-Dec-04

Volatile Organic Componnds by EPA Method 8260B in Soil Vapor

Lab 4

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-8-5, **PV** 30ee (4412006-01) Vapor Sampled: 22-Dee-04 **Received: 22-Dec-04**									
Dichlorodifluoromethane	ND	1	ug/1	005	4!A2201	**22-Dec-04**	**22-Dec-04**	EPA 8260B	
Vinyl chloride	ND	I							
Chloroethane	ND	1							
Trichlorofluoromethane	ND	1							
1 "-Dichloroethene	ND	I							
ylene chloride	ND	I							
Freon 113	ND	I							
trans-l,2-Dichloroethene	ND	I							
1,1-Dichloroethane	ND	I							
cis-Lz-Dichloroethene	ND	I							
Chloroform	ND	I							
1,1,1-1richloroethane	ND	1							
Carbon tetrachloride	ND	I							
1,2-Dichloroethane	ND	I							
Benzene	ND	1							
Irichloroethene	ND	I							
Toluene	ND	I							
1,1,2-Irichloroethane	ND	I							
Tetrachloroethene	ND	I							
Ethylbenzene	ND	I							
1,1,1,2-Ietrachloroethane	ND	I							
m,p-Xylene	ND	2							
a-Xylene	ND	I							
1,**1**,2,2-**T**etrachloroethane	ND	I							
***Surrogate** Dibromcfluoromethane*		996%	75-125						
Surrogate Toluene-d8		*101 %*	75-125						
Surrogate, 4-Bromofluorobenzene		*82.8* %	75-125						

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF 122204-L4	
151 Klamus Drive, Suite E-140	Project Number: 72104; Los Alamitos HS	**Reported:**
Costa Mesa CA, 92626	Project Manager: Mr. Greg Bishop	23-Dec-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab 4

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-8-5, PV 90cc (4412006-02) Vapor	Sampled: 22-Dec-04	**Received: 22-Dec-04**							
Dichlorodifluoromethane	ND	1	ugll	005	4142201	22-Dec-04	**22-Dec-04**	EPA8260B	
Vioyl chloride	NO	1							
Chloroethane	NO	1							
I r**ichlorofluoromethane**	NO	1							
ɔ t-Dichloroerhene	NO	1							
ylene chloride	NO	1							
ı .on 113	NO	1							
trans-I,2-Dichloroethene	NO	1							
1,1-Dichloroethane	NO	1							
cis-l,2-Dichloroethene	NO	1							
Chloroform	NO	1							
1,1,1-l richloroethane	NO	1							
Carbon tetrachloride	NO	1							
1,2-Dichloroethane	NO	1							
Benzene	NO	1							
I richloroethene	NO	1							
Toluene	NO	1							
1,1,2-l richloroethane	NO	1							
l etrachloroethene	NO	1							
Ethylbenzene	NO	1							
1,1, I,2-I etrachloroethane	NO	1							
m,p-Xylene	NO	2							
o-Xylene	NO	1							
1,1,2,2-l etrachloroethane	NO	1							
Surr agate Dlbromcfluoromethane		988 %		75-125					
Surr agate ***Toluene-dB***		***101*** *%*		75-125	"				
Surr ogate e-Bromofluor ***obenzene***		872 %		75-125	"				

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF I22204-L4	
151 Klarnus Drive, Suite E-140	Project Number: 72 104; Los Alamitos HS	Reported:
Costa Mesa CA, 92626	Project Manager: MI'. Greg Bishop	23-0ec-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab 4

Analyte
SG-8-5, PV 210« (4412006-03) Vapor
Dichlorodifluorornethane
Vinyl chloride
Chloroethane
I richlorofluoromethane
1 t-Dichlorocthcnc
tylene chloride
i reon 113
trans-I,2-Dichloroethene
1,1-Dichloroethane
cis-1,2-Dichloroethene
Chloroform
1,1,I-Irichloroethane
Carbon tetrachloride
I,2-Dichloroethane
Benzene
I richloroethene
Toluene
1,1,2- I richloroethane
Tetrachloroethene
Ethylbenzene
1,1,1,2-I etrachloroethane
m,p-Xylene
a-Xylene
1,I,2,2-Tetrachloroethane
Surr ogate Dibromofluor omethane
Surr ogate Toluene-d8
Surr ogate e-Bromofluorobenzene

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDFI22204-L4	
151 KlamusDrive, SuiteE-140	Project Number: 72 104; Los Alamitos HS	**Reported:**
Costa Mesa CA, 92626	**Project Manager:** Mr **Greg Bishop**	23-Dec-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab 4

Analyte	Result	Reporting limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG·4-5, PV 90cc (4412006-04) Vapor	Sampled: 22-Dec-04	**Received: 22··Dec-04**							
Dichlorodifluoromethane	ND	1	ugll	005	4LA2201	**22-Dec-04**	22-Dec-04	EPA 8260B	
Vinyl cbloride	ND	1							
Chloroethane	ND	1							
I richlorofluoromethane	ND	I							
1 t-Dichloroerhene	ND	1							
rylene **chloride**	ND	1							
ı .con **113**	ND	1							
trans-I,2-Dichloroethene	ND	I							
Lf-Dichlcroethane	ND	1							
cis-l,2-Dichloroethene	ND	1							
Chloroform	ND	1							
1,1,1-I richloroethane	ND	1							
Carbon tetrachloride	ND	1							
1,2-Dichloroethane	ND	1							
Benzene	ND	1							
I richloroethene	ND	1							
Toluene	ND	1							
1,**I,2-Trichloroethane**	ND	1							
Tetrachloroethene	ND	1							
Ethylbenzene	ND	1							
1,**1,1,2-I etrachloroethane**	ND	1							
m.p-Xylene	ND	2							
a-Xylene	ND	1							
1,1,2,2-Ietrachloroethane	ND	1							
Surrogate Dibromofluoromethane		996%	75-125						
***Surrogate** Toluene-db*		*104%*	75-125						
Surrogate a-Bromcfluorobenzene		912 %	75-125						

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF 122204-L4	
151 Klamus Drive, Suite E-140	Project Number: 72 104; Los Alamitos HS	Reported:
Costa Mesa CA, 92626	**Project Manager:** Mr. **Greg Bishop**	23-Dec-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab 4

Analyte	Result	Reporting limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-5,5, PV 90cc (4412006-05) Vapor	Sampled: 22-Dec-04	Received: 22-Dec-04							
Dichlorodifluoromethane	ND	1	ugll	0.05	4L42201	22-Dec-04	**22-Dec·04**	EPA 8260B	
Vinyl chloride	ND	1							
Chloroethane	ND	1							
l r**ichlorofluoromethane**	ND	1							
1 1 **Oichloroethene**	ND	1							
ylene chloride	ND	1							
l rcon 113	ND	1							
trans-lZ-Dichloroethene	ND	1							
1,1-Dichloroethane	ND	1							
cis-l **,2-Dichloroethene**	ND	1							
Chloroform	ND	1							
1,1,**1-Trichloroethane**	ND	1							
Carbon tetrachloride	ND	1							
1,2-Dichloroethane	ND	1							
Benzene	ND	1							
I richloroethene	ND	1							
Ioluene	ND	1							
1,1,2-Trichloroethane	ND	1							
I etrachloroethene	ND	1							
Ethylbenzene	ND	1							
1, **1,1,2-Tetrachloroethane**	ND	1							
m,p-Xylene	ND	2							
a-Xylene	ND	1							
1,1,2,2-I etrachloroethane	ND	1							
*Surr **agate** Dibromofluoromethane*		968%	75-125						
Surrogate Toluene-dB		986%	75-125						
*Surrogate **4-Bromojluorobenzene***		852 %	75-125						

MOBILE GEOCHEMISTRY
H&P

EDF Associates
151 Klamus Drive, Suite E-140
Costa Mesa CA, 92626

Project: EDF 122204-L4
Project Number: 72104; Los Alamitos HS
Project Manager: Mr. Greg Bishop

Reported:
23-Dec-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab 4

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-5-5, Duplicate (4412006-06) Vapor	Sampled: 22-Dec-04	Received: 22-Dec-04							
Dichlorodifluoromethane	ND	1	ug/l	005	4L42201	22-Dec-04	22-Dec-04	EPA 8260B	
Vinyl chloride	ND	1							
Chloroethane	ND	1							
Trichlorofluoromethane	ND	1							
1,1-Dichlorcethene	ND	1							
tylene **chloride**	ND	1							
ricon **113**	ND	1							
trans-l,2-Dichloroethene	ND	1							
l,l-Dichloroethane	ND	1							
cis-Lj-Dichloroethene	ND	1							
Chloroform	ND	1							
1,1,1-Trichloroethane	ND	1							
Carbon tetrachloride	ND	1							
1,2-Dichloroethane	ND	1							
Benzene	ND	1							
Trichloroethene	ND	1							
Toluene	ND	1							
1,1,2-Trichloroethane	ND	1							
Ietrachloroethene	ND	1							
Ethylbenzene	ND	1							
1,I,**1,2-I**etrachloroethane	ND	1							
m.p-Xylene	ND	2							
o-Xylene	ND	1							
1,1,2,2-Tetrachlaroethane	ND	1							
Surrogate *Dibromofluoromethane*		*101 %*	75-125						
Surrogate ***Toluene-d8***		*109 %*	75-125						
Surrogate *e-Bromcfluorobenzene*		*920%*	75-125						

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF 122204-L4	
151 Klamus Drive, Suite E-140	Project Number: 72 104; Los Alamitos HS	**Reported:**
Costa Mesa CA, 92626	**ProjectManager: Mr GregBishop**	23-Dec-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab 4

baly,e	Result	Reporting limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-6-5, PV 90cc (4412006-07) Vapor	Sampled: 22-Dec-04	Received: 22-Dec-04							
Dichlorodifluoromethane	ND		ug/l	005	4142201	22-Dec-04	22-Dec-04	EPA8260B	
Vinyl chloride	ND								
Chloroethane	ND								
Trichlorofluoromethane	ND								
t-Dichloroethene	ND								
rylene **chloride**	ND								
.con 113	ND								
trans-I,2-Dichloroethene	ND								
1,1-Dichloroethane	ND								
cis-l,Z-Dichloroethene	ND								
Chloroform	ND								
1,1,1- Trichloroethane	ND								
Carbon tetrachloride	ND								
1,2-Dichloroethane	ND								
Benzene	ND								
I richloroethene	ND								
Ioluene	ND								
1,1,Z··Trichloroethane	ND								
I'etrachloroethene	ND								
Ethylbenzene	ND								
l, 1,1,2-1etrachloroethane	ND								
m,p-Xylene	ND	2							
a-Xylene	ND								
1,1,2,2-Tetrachloroethane	ND								
Surrogate *Dibromofluoromethane*		*102 %*	75-125						
Surrogate Toluene-dB		*105%*	75-125						
Surrogate 4-Bromofluor ***obenzene***		924%	75-125						

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF 122204-L4	
151 Klamus Drive, Suite E-140	Project Number: 72 104; Los Alamitos HS	Reported:
Costa Mesa CA, 92626	Project Manager: Mr. Greg Bishop	23-Dec-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab 4

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-7-5, PV 90cc (4412006-08) Vapor	Sampled: 22-Dec-·04	**Received: 22-Dec-04**							
Dichlorodifluoromethane	ND	1	ugll	005	4142201	22-Dec-04	22-Dec-04	EPA 8260B	
Vinyl chloride	ND	1							
Chloroethane	ND	1							
I rfchlorofluoromethane	ND	1							
1 l-Dichloroethcnc	ND	1							
tylene chloride	ND	1							
.on 113	ND	1							
trans-I,2-Dichloroethene	ND	1							
l,l-Dichloroethane	ND	1							
cis-Lz-Dichloroethcne	ND	1							
Chloroform	ND	1							
1,1,1-I richloroethane	ND	1							
Carbon tetrachloride	ND	1							
1,2-Dichloroethane	ND	1							
Benzene	ND	1							
I richloroethene	ND	1							
Ioluene	ND	1							
1,1,2-l richloroethane	ND	1							
Tetrachloroethene	ND	1							
Ethylbenzene	ND	1							
1,1,1,2-I etrachloroethane	ND	1							
m,p-Xylene	ND	2							
a-Xylene	ND	1							
1,1,2,2-I etrachloroethane	ND	1							
Surrogate Dibromofluoromethane		*104%*	75-125						
Surrogate Toluene-d8		*107 %*	75-125						
Surrogate 4-Bt omofluorobenzene		896%	75-125						

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF 122204-14	
151 Klamus Drive, Suite E-140	Project Number: 72 104; Los Alamitos HS	Reported:
Costa Mesa CA, 92626	Project Manager: Mr Greg Bishop	23-Dec-04

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Lab 4

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4L42201 - EPA 5030										
Blank (4L42201-BLK1)				Prepared & Analyzed: 22-Dec-04						
1,1-Difluoroethane	ND	10	ugll							

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF 122204-L4	
151 Klarnus Drive, Suite E-140	Project Number: 72 104; Los Alamitos HS	Reported:
Costa Mesa CA, 92626	Project Manager: Mr Greg Bishop	23-Dec-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor - Quality Control

Lab 4

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4L42201 - EPA 5030										
Blank (4L42201-BLKI)				Prepared & Analyzed: 22-Dec-04						
Dichlorodifluoromethane	ND	1.0	ug/l							
Vinyl chloride	ND	1.0								
r' 'oroethane	ND	1.0								
.lorofluoromethane	ND	1 0								
Ll-Dichloroethene	ND	1.0								
Methylene chloride	ND	1.0								
Freon 113	ND	1 0								
trans- l 2-Dichloroethene	ND	1 0								
l,l-Dichloroethane	ND	1.0								
cis- 1,2-Dichloroethene	ND	1.0								
Chloroform	ND	1.0								
1,1,1-1richloroethane	ND	1.0								
Carbon tetrachloride	ND	1.0								
1,2-Dichloroethane	ND	1.0								
Benzene	ND	1 0								
Trichloroethene	ND	1 0								
Ioluene	ND	1.0								
1..1 2-1 richloroethane	ND	1.0								
1etrachloroethene	ND	1.0								
Ethylbenzene	ND	1 0								
1,1,1,2-1 etrachloroethane	ND	1 0								
m.p-Xylene	ND	2.0								
a-Xylene	ND	1.0								
l..I 2,2-1 etrachloroethane	ND	1.0								
Surrogate Dibramofluoromethane	*480*			*500*		*960*	75-125			
gate Toluene-d8	*50 3*			*500*		*101*	75-125			
sgate. d-Bromcfluorobenzene	427			*500*		854	75-125			

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDFl22204-L4	
151 KlamusDrive, SuiteE-140	Project Number: 72 104; Los Alamitos HS	**Reported:**
Costa Mesa CA, 92626	Project Manager: Mr Greg Bishop	23-Dec-04

Notes and Definitions

DET	Analyte DETECTED
ND	**Analyte NOT DETECTED at or above the reportinglimit**
NR	**Not Reported**
dry	**Sample resultsreported on a dry weight basis**
RPD	**Relative PercentDifference**

MOBILE G. CHEMISTRY

H&P

148 S. Vinewood St., Escondido, CA92029' ph 760.735.3208' fax 760.735.2469
432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
3825 Industry Avenue, t.akewood, CA 90712' ph 562.426.6991 • fax 562.426.6995

Chain of Cu. Jdy Record

Date: 12/22/
H&PPro,ect# EDF/12204-24
Outside Lab:

Client: EDF Associates
Address: 151 k. lamus Qvive, Suite E-140 Costa mesa, CA 92626
Phone: 714 444 1270 Fax: 714-444-4211

Collector: mv Alcf
Client Protect# 72104
Location: 3591 Cemros ave Los Alamitos, CA

Page: 1 Of 1
Project Manager mv Greg Bishop
Turnaround time:

GlobalID: _ EDF: Yes / No

Use SPV3

Sample Receipt
Intact: 0 Yes 0 No
Seal Intact: 0 Yes 0 No 0 N/A
Cold: 0 Yes 0 No
N/A (Received on Site)

Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX	8021 halogenated compounds	418.1 TRPH	8260B BTEX oxygenates	8260B oxygenates	8260B VOCs DTSC / Lanzatech	VOCs and oxygenates	Methane	Fixed gases			Archive	Total # of containers
SG-8-SPV3,90C			0857	12/22/24	Vapor	Coccyn								X						IV	0900
SG-8-SPV3,90C			0858																		0907
SG-8-SPV3,90C			0859																		0909
SG-4-SPV3,90C			1006																		G
SG-5-SPV3,90C			1055																		JV03
SG-5-SPV3,PVF			1056																		1105
SG-6-SPV3,90C			1132																		1140
SG-7-SPV3,90C			1750																		2116

C-:

Relinquished by: (Signature) (company) EDFA
Relinquished by:(SignatOre) (company)
Relinquished by: (Signature) (company)

Received by: (Signature) (company) (Locus) Date: 12
(company) Date:
(company) Date: Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: 0 Disposal@$2.00each 0 Return to client D Pickup

MOBILE GEOCHEMISTRY

H&P

23 February 2005

Mr. Eric Floyd
EDF Associates
151 Kalmus Drive, Suite H-11
Costa Mesa, CA 92626

RE: EDF021405-SB2

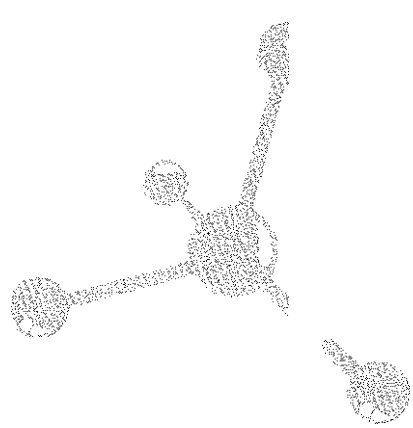
Enclosed are the results of analyses for samples received by the laboratory on 14-Feb-05. If you have any questions concerning this report, please feel free to contact me

Sincerely,

Debby Slama
for

Tamara Davis
Laboratory Director

H&P Mobile Geochemistry mobile labs operate under CA Environmental Lab Accreditation Program Numbers 1561,2088,2278 and 2530



432 North Cedros Avenue Solana Beach California 92075 | 8587930401 — Fax 858 793 0404
148 SOUlh Vinewood Street Escondido California 92029 | 7607353208 - Fax 760735 2469
3825 Industry Avenue Lakewood California 90712 | 5624266991 - Fax 562 426 6995
www HandPmg com | 1-800-834-9888

MOBILE GEOCHEMISTRY

H&P

EDF Associates	Project: EDF021405-SB2	
151 Kalmus Drive, Suite H-ll	Project Number: 72104; Los Alamitos HS	Reported:
Costa Mesa CA, 92626	Project Manager: Mr Eric Floyd	23-Feb-05

ANALYTICAL REPORT FOR SAMPLES

SampleID	Laboratory ID	Matrix	Date Sampled	Date Received
SG1·5, PV30cc	C502008-01	Vapor	14-Feb-05	14-Feb-05
SG1-5, PV90cc Duplicate	C502008-02	Vapor	14-Feb-05	14-Feb-05
SG2-5, PV90cc	C502008-03	Vapor	14-Feb-05	14-Feb-05
SG3-5, PV30cc	C502008·04	Vapor	14-Feb-05	14-Feb-05
SG9-5, PV30cc	C502008-05	Vapor	14-Feb-05	14-Feb-05

se **Narrative:**

Three purge volumes were used to collect the soil vapor samples

All samples met the recommended holding times outlined in the RWQCB guidelines As noted on the chain of custody, the surrogates were added to all samples within 15 minutes and analyzed within one hour

A matrix spike and a matrix spike duplicate were not analyzed because they do not apply to soil vapor nor are they required by the RWQCB.

An equipment blank was not analyzed because it is not required by the RWQCB nor was it necessary since all samples were non-detect A method blank is reported

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF021405-SB2	
151 Kalmus Drive, Suite R-II	Project Number: 72104; Los Alamitos HS	Reported:
Costa Mesa CA, 92626	Project Manager: Mr Eric Floyd	23-Feb-05

Volatile Organic Compounds by EPA Method 8260B

Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SGl-5, PV30cc (C502008-01) Vapor	Sampled: 14-Feb-05	Received: 14-Feb-05							
Dichlorodifluoromethane	ND	1	ug/l	005	CB5140\	\4-Feb-05	14-Feb-05	EPA 8260B	
Vinyl chloride	ND	1							
Chloroethane	ND	1							
I richlorofluorumethane	ND	1							
'-Dicbloroethene	ND	1							
hylene chloride	ND	1							
freon 113	ND	1							
trans- **1,2-Dichloroethene**	ND	1							
1,I-Dichloroethane	ND	1							
cis-l,2-Dichloroethene	ND	1							
Chloroform	ND	1							
1,1,1-I richloroethane	ND	1							
Carbon tetrachloride	ND	1							
1,2-Dichloroethane	ND	1							
Benzene	ND	1							
Irichloroethene	ND	1							
Toluene	ND	1							
1,1,2-Irichloroethane	ND	1							
Tetrachloroethene	ND	1							
Ethylbenzene	ND	1							
1,1,1,2-Tetrachloroethane	ND	1							
m.p-Xylene	ND	2							
o-Xylene	ND	1							
1,1,2,2-I etrachloroethane	ND	1							
Surrogate *Dibromofluoromethane*		*107%*		75-125					
Sur"agate 1,2-Dichloroethane-d4		*101 %*		75-125					
Surrogate Toluene-d8		*104%*		75-125					
Surrogate s-Bromofluorobenzene		*101%*		75-125					

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF021405-SB2	
151 Kalmus Drive, **SuiteH-ll**	Project Number: 72104; Los Alamitos HS	**Reported:**
Costa Mesa CA, 92626	Project Manager: Mr Eric Floyd	23-Feb-05

Volatile Organic Compounds by EPA Method 8260B

Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SGl-5, PV90cc Duplicate (C502008-02) Vapor	Sampled: 14-Feb-05	Received: 14-Feb-05							
Dichlorodifluoromethane	ND	1	ugll	005	CB51401	14-Feb-05	14-Feb-05	EPA 8260B	
Vinyl chloride	ND	1							
Chloroethane	ND	1							
I richlorofluoromethane	ND	1							
. -Dichloroethene	ND	1							
nylene **chloride**	ND	1							
Freon 113	ND	I							
trans-Lz-Dichloroethene	ND	1							
Ll-Dichloroethane	ND	1							
cis-l,2-Dichloroethene	ND	1							
Chloroform	ND	1							
1,1,1-Trichloroethane	ND	1							
Carbon tetrachloride	ND	1							
1,2-Dichloroethane	ND	1							
Benzene	ND	1							
Trichloroethene	ND	1							
Toluene	ND	1							
1,1,2-I richloroethane	ND	1							
Tetrachloroethene	ND	1							
Ethylbenzene	ND	I							
I, I, 1,2-I etrachloroethane	ND	1							
m.p-Xylene	ND	2							
o-Xylene	ND	1							
1,1,2,2-I etrachloroethane	ND	1							
Surrogate *Dibromofluoromethane*		936%		75-125					
Surrogate ***l,2-Dichloroethane-d4***		892 %		75-125					
Surrogate ***Toluene-dB***		888%		75-125					
Surrogate *q-Bromofluorobenzene*		*920%*		75-125					

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF021405-SB2	
1SI Kalmus Drive, SuiteH-11	Project Number: 72 104; Los Alamitos Hf	Reported:
Costa Mesa CA, 92626	Project Manager: Mr. Eric Floyd	23-Feb-05

Volatile Organic Compounds by EPA Method 8260B

LabSB2

Analyte	Result	Reporting limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG2-5, PV90cc (C502008-03) Vapor	Sampled: 14-Feb-05	Reeeived: 14-Feb-05							
Dichlorodifluoromethane	ND	I	ugll	005	CB51401	14-Feb-05	14-Feb-05	EPA 8260B	
Vinyl chloride	ND	I							
Chloroethane	ND	1							
I richlorofluoromethane	ND	I							
Dichloroethene	ND	1							
nylene **chloride**	ND	1							
Freon 113	ND	1							
tr **ans-l,2-Dichloroethene**	ND	1							
Ll-Dichloroethane	ND	1							
cis-l,2-Dichloroethene	ND	1							
Chloroform	ND	1							
1,1,1- Trichloroethane	ND	I							
Carbon tetrachloride	ND	1							
l,2-Dichloroethane	ND	1							
Benzene	ND	1							
Trichloroethene	ND	1							
Toluene	ND	1							
1,1,2-1richloroethane	ND	1							
Tetrachloroethene	ND	1							
Ethylbenzene	ND	1							
1,1,1,2-Ietrachlorocthanc	ND	1							
m,p-Xylene	ND	2							
o-Xylene	ND	1							
1,1,2,2-Tetrachloroethane	ND	1							
Surrogate *Dtbromofluoromethane*		*102%*	75-125						
Surrogate *l.l-Dtcbloroethane-dc*		988%	75-125		"		"		
Surrogate ***Toluene-dS***		*102%*	75-125						
Surrogate *q-Bromofluorobenzene*		*105 %*	75-125		"				

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF021405-SB2	
1SI Kalmus Drive, Suite H-11	Project Number: 72 104; Los Alamitos HS	Reported;
Costa Mesa CA, 92626	Project Manager: Mr Eric Floyd	23-Feb-05

Volatile Organic Compounds by EPA Method 8260B

Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG3-5, PV30cc (C502008-04) Vapor	Sampled: 14-Feb-05	Received: 14-Feb-05							
Dichlorodifluoromethane	ND	1	ug/l	005	CB51401	14-Feb-05	14-Feb-05	EPA 8260B	
Vinyl chloride	ND	1							
Chloroethane	ND	1							
I richlorofluoromethane	ND	I							
Dichloroethene	ND	I							
.ylene chloride	ND	1							
Freon 113	ND	1							
trans-l,2-Dichloroethene	ND	I							
1,I-Dichloroethane	ND	1							
cis-I,2-Dichloroethene	ND	1							
Chloroform	ND	1							
1,I, 1-Trichloroethane	ND	1							
Carbon tetrachloride	ND	1							
1,2-DichlOIoethane	ND	1							
Benzene	ND	1							
Trichloroethene	ND	1							
Toluene	ND	1							
1,1,2-I richloroethane	ND	1							
Tetrachloroethene	ND	1							
Ethylbenzene	ND	1							
1,1,1,2-1etrachloroethane	ND	1							
m,p-Xylene	ND	2							
o-Xylene	ND	1							
1,1,2,2-I etrachloroethane	ND	1							
Surrogate Dibromofluoromethane		*107%*		*75-.J25*			"		
Surrogate ***J,2-Dichloroethane-d4***		*110%*		75-125					
Surrogate Toluene-dB		*103 %*		75-125			"		
Surrogate e-Bromcfluorobenzene		*110%*		75-125					

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF 021405-SB2	
151 Kalmus Drive, SuiteH-ll	Project Number: 72104; Los Alamitos HS	Reported:
Costa Mesa CA, 92626	Project Manager: Mr Eric Floyd	23-Feb-05

Volatile Organic Compounds by EPA Method 8260B

LabSB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG9-5, PV30cc (C50200S-05) Vapor	Sampled: 14-Feh-05	Received: 14-Feb-05							
Dichlorodifluoromethane	ND	1	ugil	005	CB51401	14-Feb-05	14-Feb-05	EPA 8260B	
Vinyl chloride	ND	I							
Chloroethane	ND	I							
I richlorofluoromethane	ND	I							
ı "<Dichloroethcnc	ND	1							
iylene **chloride**	ND	1							
r ieon l l J	ND	I							
trans-l,2-Dichloroethene	ND	I							
Ll-Dichloroethane	ND	1							
cis-Lz-Dichloroethcnc	ND	1							
Chloroform	ND	I							
1,1,I-I richloroethane	ND	I							
Carbon tetrachloride	ND	I							
1,2-Dichloroethane	ND	1							
Benzene	ND	I							
Irichloroethene	ND	I							
Ioluene	ND	I							
1,1,2-I richloroethane	ND	I							
Tetrachloroethene	ND	I							
Ethylbenzene	ND	I							
1,1,1,2-1etrachloroethane	ND	I							
m,p-Xylene	ND	2							
o-Xylene	ND	I							
1,1,2,2-I etrachloroethane	ND	I							

Surrogate *Dtbromofluoromethane*	*105 %*	75-125
Surr ***agate*** ***J,2-Dichloroethane-d4***	*100%*	75-125
Sur ***rogate*** ***Toluene-d8***	*102%*	75-125
Surrogate ***4-Bromofluorobenzene***	*102%*	75-125

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF021405-SB2	
151 Kalmus Drive, SuiteH-ll	Project Number: 72 104; Los Alamitos HS	Reported:
Costa Mesa CA, 92626	**Project Manager: Mr. Eric Floyd**	23-Feb-05

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

LabSB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SGl-5, PV30cc (C502008-01) Vapor	Sampled: 14-Feb-05	Received: 14-Feb-05							
Lf-Difluoroethane	ND	10	ugll	005	CB51401	14-Feb-05	14-Feb-05	EPA 8260B	
SGl-5, PV90cc Duplicate (C502008-02) Vapor	Sampled: 14-Feb-05	Received: 14-Feb-05							
1,1-Difluoroethane	ND	10	ugll	005	CB51401	14-Feb-05	14-Feb-05	EPA 8260B	
`-5, PV90cc (C502008-03) Vapor'	Sampled: 14-Feb-05	Received: 14-Feb-05							
L, J-Difluoroethane	ND	10	ugll	005	CB51401	14-Feb-05	14-Feb-05	EPA 8260B	
SG3-5, PV30cc (C502008-04) Vapor	Sampled: 14-Feb-05	Received: 14-Feb-05							
1,1-Difluoroethane	ND	10	ugll	005	CB51401	14-Feb-05	14-Feb-05	EPA 8260B	
SG9-5, PV30cc (C502008-,OS) Vapor	Sampled: 14-Feb-05	Received: 14-Feb-05							
I,l-Difluoroethane	ND	10	ugll	005	CB51401	14-Feb-05	14-Feb-05	EPA 8260B	

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF021405-SB2	
151 Kalmus Drive, SuiteH-ll	Project Number: 72 104; Los Alamitos HS	Reported:
Costa Mesa CA, 92626	Project Manager: Mr. Eric Floyd	23-Feb-05

Volatile Organic Compounds by EPA Method 8260B - Quality Control

LabSB2

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CB51401- EPA 5030										
Blank (CB51401-BLKl)				Prepared & Analyzed: 14-Feb-05						
Dichlorodifluoromethane	ND	1.0	ugll							
Vinylchloride	ND	10								
r • -roethane	ND	10								
lorofluoromethane	ND	1.0								
Ll-Dichloroethene	ND	1.0								
Methylene chloride	ND	10								
Freon 113	ND	10								
trans-l,2-Dichloroethene	ND	1.0								
Ll-Dichloroethane	ND	1.0								
cis-l .z-Dichloroethene	ND	10								
Chloroform	ND	10								
1,1,1-Irichloroethane	ND	1.0								
Carbon tetrachloride	ND	1.0								
1,2-Dichloroethane	ND	1.0								
Benzene	ND	10								
Irichloroethene	ND	1.0								
Toluene	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
1etrachloroethene	ND	10								
Ethylbenzene	ND	1.0								
1,1,1.2-Ietrachloroethane	ND	1.0								
m,p-Xylene	ND	20								
o-Xylene	ND	10								
1,1 2,2-Ietrachloroethane	ND	1.0								
Surrogate: Dibromofiuoromethane	255			*250*		*102*	75-125			
19ate: 1,2-Dichloroethane-d4	254			*250*		*102*	75-125			
rogate Toluene-db	*250*		"	*250*		*100*	75-125			
Surrogate s-Bromofluorobenxene	254			*250*		*102*	75-125			

MOBILE GEOCHEMISTRY
H&P

EDF Associates 151 Kalmus Drive, Suite H-Il Costa Mesa CA, 92626	Project: EDF021405-SB2 Project Number: 72 104; Los Alamitos HS Project Manager: Mr. Eric Floyd	Reported: 23-Feb-05

Volatile Organic Compounds by EPA Method 8260B - Quality Control

LabSB2

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CB51401- EPA 5030										
LCS (CB51401-BSl)				Prepared & Analyzed: 14-Feb-05						
Dichlorodifluoromethane	284	LO	ugll	250		114				
Vinyl chloride	2.71	LO		250		108				
oethane	2.57	10		2.50		103				
Trichlorofluoromethane	263	I 0		250		105				
Ll-Dichloroethene	2.67	LO		250		107				
Methylene chloride	2.68	LO		2.50		107				
Freon 113	279	10		250		112				
trans-l,2-Dichloroethene	268	10		250		107				
Ll-Dichloroethane	280	LO		250		112				
cis-I,2-Dichloroethene	278	LO		250		111				
Chloroform	2.74	LO		250		110				
1,1,1-Trichloroethane	271	10		250		108				
Carbon tetrachloride	280	LO		250		112				
1,2-Dichloroethane	2.85	LO		250		114				
Benzene	2.60	LO		250		104				
Irichloroethene	262	10		250		105				
Toluene	2.46	LO		250		984				
1,1,2-1richloroethane	2.75	LO		250		110				
1etrachloroethene	260	10		250		104				
Ethylbenzene	2.52	LO		250		101				
1,1,1,2-Ietrachloroethane	2.82	10		250		113				
m,p-Xylene	**467**	2.0		500		934				
o-Xylene	250	LO		250		100				
1,1,2,2-Ietrach1oroethane	**342**	10		250		137				
"ogate, Dtbromofiuoromethane	268			*250*		*107*	75-125			
sgate ***1,2-Dichloroethane-d4***	*260*			*250*		*104*	75-125			
Surrogate *Toluene-db*	246			*250*		984	75-125			

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF021405-SB2	
1SI Kalmus Drive, Suite H-ll	Project Number: 72 104; Los Alamitos HS	Reported:
Costa Mesa CA, 92626	Project Manager: Mr. Eric Floyd	23-Feb-05

Volatile Organic Compounds by EPA Method 8260B - Quality Control

LabSB2

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CB51401- EPA 5030										
LCS (CB51401-BSl)				Prepared & Analyzed: 14-Feb-05						
Surrogate: ***4-Bromofluorobenzene***	228		*ugll*	*250*		912	75-125			

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF021405-SB2	
151 Kalmus Drive, Suite H--ll	Project Number: 72.104; Los Alamitos HS	Reported:
Costa Mesa CA, 92626	Project Manager: Mr Eric Floyd	23-Feb-05

Volatile Organic Compounds by EPA Method 826GB in Soil Vapor - Quality Control

LabSB2

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CB51401'- EPA 5030										
Blank (CB51401-BLKl)				Prepared & Analyzed: 14-Feb-05						
1,1-Difluoroethane	ND	10	ugll							

MOBILE GEOCHEMISTRY

H&P

EDF Associates	Project: EDF021405-SB2	
1SI Kalmus Drive, Suite H-11	Project Number: 72 104; los Alamitos HS	Reported:
Costa Mesa CA, 92626	Project Manager: Mr Eric Floyd	23-Feb-05

Notes **and Definitions**

DEI	Analyte DETECTED
ND	**Analyte NOl DElEelED at or above the reporting limit**
NR	**Not Reported**
dry	**Sample results reported on a dry weight basis**
RPD	**Relative Percent Difference**

MOBILE GF CHEMISTRY

H&P

Chain of Cus dy Record

148 S. Vinewood St., Escondido, CA 92029' ph 760.735.3208' fax 760.735.2469
432 N. Cedros Ave.. Solana Beach, CA 92075' ph 858.793.0401 • tax 858.793.0404
2373 208th Street Unit F-1, Torrance, CA 90501 • ph 310.782.2929' fax 310.782.2798

Date: February 14th, 20

H&P Protect # EDF021405-SB2

Outside Lab: N/A

Client: EDF Associates

Address: 151 Kalmus Dr Suite E 140
Costa Mesa, Ca 92626

Phone: (714) 444-1270 Fax: (714) 444-1211

Collector: Kines

Client Protect # 72 104

Location: Los Alamitos U.S.

Page: 1 Of

Protect Manager Eric Floyd

Turn around time: N/A

GlobalID: _____ EDF: Yes / No

Sample Receipt

Intact: Yes 0 No

Seal Intact: 0 Yes D No NJA

Cold; 0 Yes 0 No

N/A (Received on Site)

8260B

Sample Name	Field POInt Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	e°21 fo BTEXMTBE	e°21 for Halogenated compounds	418 1 TRPH	BTEX Oxygenates	Oxygenates	VOCs LAWVACS	VOCs and Oxygenates	Methane	Fixed Gases	P V			Peep Time	Total # of containers
C502008-01	SB1-5	5'	0907	2/14	Vapor	Syringe								X				Spike			0905	1
-02	SB1-5 Duplicate	5'	0913			V								X				90			0906	1
-03	SB2-5	5'	0940											X				90			0947	1
-04	SB3-5	5'	1014											X				30			1016	1
-05	SB9-5	5'	1133		-	-								X				30			1136	1
							If															

Relinquished by: (Signature) Eric D Floyd	(company) EDFA	Received by: (Signature)		(company) H&P	Date: 2/14/05	Time: 1200
Relinquished by: (Signature)	(company)	Received by: (Signature)		(company)	Date: /	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)		(company)	Date:	TIme:

*Signature conslilules authorization to proceed with analvsis and acceptance ot condition on back.

Sample disposal instruction: D *Disposal@ $2.00 each* O *Returnto client* O *Pickup*

SOIL AND GROUNDWATER ANALYSES

MOBILE GEOCHEMISTRY

H&P

30-Dec-2004

Mr. Greg Bishop
EDF Associates
151 Kalmus Drive, Suite H-11
Costa Mesa, CA 92626

RE: EDF122704-30

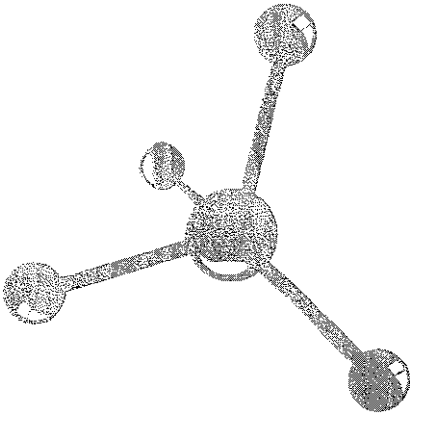
Enclosed are the results of analyses for samples received by the laboratory on 22-Dec-04 If you have any questions concerning this report, please feel free to contact me

Sincerely,

C;»:

Tamara Davis
Laboratory Director

H&P Mobile Geochemistry operates under CA Environmental Lab Accreditation Program Numbers 1317, 1561, 1667, 1745, 1746, 1839, 2088, 2278, 2530 and 2543



432 North Cedros Avenue, Solana Beach, California 92075 F 858 793 040t - Fax 858 793 0404
148 South Vinewood Street, Escondido, California 92029 I 760 7353208 - Fax 760 735 2469
3825 Industry Avenue, Lakewood, California 90712 I 562 4266991 Fax 562 426 6995
wwwHandpmq com r 1-800-834-9888

MOBILE GEOCHEMISTRY

H&P

EDF Associates	Project: EDF122704-30	
151 Kalmus Drive, Suite H-Il	**Project Number: Los Alamitos High School**	**Reported:**
Costa Mesa CA, 92626	**Project Manager: Mr Greg Bishop**	30-Dec-04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SO-8	E412052-01	**Water**	22-Dec-04	22-Dec-04
SO-8 dup	E412052-02	**Water**	22-Dec-04	22-Dec-04
SO-4	E412052-03	**Water**	22-Dec-04	22-Dec-04
IB	E412052-04	**Water**	22-Dec-04	22-Dec-04

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF122704-30	
151 Kalmus Drive, Suite H-ll	**Project Number: Los Alamitos High School**	**Reported:**
Costa Mesa CA, 92626	**Project Manager: Mr Greg Bishop**	30-Dec-04

Volatile Organic Compounds by EPA Method 8260B

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-8 (E412052-01) Water Sampled: 22-Dec-04 Received: 22-Dec-04									
Dichlcrcdifluoromethane	ND	1.0	ug/l	005	6142801	28-Dec-04	28-Dec-04	EPA 8260B	
Chloromethane	ND	10							
Vinyl chloride	ND	10							
Bromomethane	ND	10							
Chloroethane	ND	10							
I richlorofluoromethane	ND	10							
Methylene chloride	ND	1.0							
-thyl tert-butyl ether	ND	1.0							
.s-t.z-Dtchloroethene	ND	1.0							
1,1-Dichloroethane	ND	10							
I, **I-Dichloroethene**	ND	10							
2,2-Dichloropropane	ND	10							
cis-I**,2-**Dichlotoethene	ND	10							
Chloroform	ND	1.0							
Bromochloromethane	ND	1.0							
I,I,I-Trichloroethane	ND	10							
I, l-Dichloropropene	ND	10							
Carbon tetrachloride	ND	1.0							
1,2-Dich1oroethane	ND	1.0							
Benzene	ND	05							
Tricbloroethene	ND	10							
t.z-Dichloropropenc	ND	10							
Bromodichloromethane	ND	1.0							
Dibromomethane	ND	1.0							
cis-I,3-Dichloropropene	ND	1.0							
Toluene	ND	05							
trans-I,3-Dichloropropene	ND	10							
I, **1,2-Trichloroethane**	ND	10							
1,2-Dibromoethane (EDB)	ND	1.0							
I,3-Dichloropropane	ND	10							
Tetrachloroerhene	ND	10							
Dibrornochloromethane	ND	1.0							
Chlorobenzene	ND	10							
Ethylbenzene	ND	05							
,1,2-Ietrachloroethane	ND	1.0							
,p-Xylene	ND	1.0							
o-Xylene	ND	05							

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF 122704-30	
151 Kalmus Drive, Suite H-II	Project Number: Los Alamitos High School	Reported:
Costa Mesa CA, 92626	Project Manager: Mr Greg Bishop	30-Dec-04

Volatile Organic Compounds by EPA Method 8260B

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-8 (E412052-01) Water Sampled: 22-Dec-04 Received: 22-Dec-04									
Styrene	ND	10	ug/l	005	6L42801	28-Dec-04	28-Dec-04	EPA 8260B	
Bromoform	ND	10							
Isopropylbenzene	ND	I 0							
1,1,2,2-1etrachloroethane	ND	10							
1,2,3- Irichloropropane	ND	1.0							
n-Propylbenzene	ND	1.0							
Bromobenzene	ND	10							
` 5-Trimethylbenzene	ND	1.0							
.hlorotcluene	ND	10							
4-Chlorotoluene	ND	10							
tert-Butylbenzene	ND	10							
1,2,4- Trimethylbenzene	ND	1.0							
sec-Butylbenzene	ND	I 0							
p-Isopropyltoluene	ND	10							
l,3-Dichlorobenzene	ND	1.0							
1,4-Dichlorobenzene	ND	10							
n-Butylbenzene	ND	1.0							
1,2-Dichlorobenzene -	ND	10							
1,2-Dibromo-3-chloropropane	ND	1.0							
1,2,4-Irtchlorobenzene	ND	10							
Hexachlorobutadiene	ND	10							
Naphthalene	ND	1.0							
1,2,3-Trichlorobenzene	ND	1.0							
Surrogate. Dibromofluoromethane		972%		75-125				"	
Surrogate 1,2-Dichloroethane-d4		*101 %*		62-139					
Surrogate Toluene-as		892%		75-125				"	
Surrogate 4-Bromofluorobenzene		932 %		75-125					

MOBILE GEOCHEMISTRY

H&P

EDF Associates	Project: EDF122704-30	
151 Kalmus Drive, Suite H-ll	**Project Number: los Alamitos High School**	Reported:
Costa Mesa CA, 92626	**Project Manager:** Mr **Greg Bishop**	30-Dec-04

Volatile Organic Compounds by EPA Method 8260B

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-8 dup (E412052-02) Water	Sampled: 22-Dec-04	Received: 22-Dec-04							
Dichlorodifluoromethane	ND	10	ug/l	005	6L42801	28-Dec-04	28-Dec-04	EPA 8260B	
Chloromethane	ND	10							
Vinyl chloride	ND	10							
Bromomethane	ND	10							
Chloroethane	ND	1.0							
Irichlorofluoromethane	ND	10							
Methylene chloride	ND	1.0							
″-thyl tert-butyl ether	ND	10							
s-I,2-Dichloroethene	ND	10							
l,l-Dichloroethane	ND	10							
Ll-Dichloroethene	ND	10							
2,2-Dichloropropane	ND	10							
cis-l,2-Dichloroethene	ND	10							
Chloroform	ND	1.0							
Bromochloromethane	ND	10							
1,1,1-Trichloroethane	ND	10							
l,l-Dichloropropene	ND	10							
Carbon-tetrachloride.	ND	1.0							
1,2-Dichloroethane	ND	10							
Benzene	ND	05							
I richloroethene	ND	10							
1,2-Dichloropropane	ND	1.0							
Bromodichloromethane	ND	1.0							
Dibromomethane	ND	10							
cis-l,3-Dichloropropene	ND	10							
Toluene	ND	05							
trans-I **,3-Dichloropropene**	ND	1.0							
1,1,2-Trichloroethane	ND	10							
I ,2-Dibromoethane (EDB)	ND	10							
1,3-Dichloropropane	ND	1.0							
Tetrachloroethene	ND	10							
Dibromochloromethane	ND	10							
Chlorobenzene	ND	1.0							
Ethylbenzene	ND	05							
1,2-I etrachloroethane	ND	10							
.p-Xylene	ND	10							
a-Xylene	ND	05							

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF122704-30	
151 Kalmus Drive, Suite H-l1	Project **Number: Los Alamitos High School**	Reported:
Costa Mesa CA, 92626	**Project Manager:** Mr **Greg Bishop**	30-Dec-04

Volatile Organic Compounds by EPA Method 8260B

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-8 dup (E412052-02) Water	Sampled: 22-Dec-04	Received: 22-Dec-04							
Styrene	ND	1.0	ug/l	005	**6L42801**	**28-Dec-04**	28-Dec-04	EPA 8260B	
Bromoform	**ND**	1 0							
Isopropylbenzene	ND	10							
1,1,2,2-1 etrachloroethane	ND	10							
1,2,3-Irichloropropane	ND	LO							
n-Propylbenzene	ND	LO							
Bromobenzene	**ND**	1.0							
? 5-Irimethylbenzene	**ND**	1.0							
hlorotoluene	ND	1.0							
4-Chlorotoluene	ND	1 0							
tert-Butylbenzene	ND	10							
1,2,4-Irimethylbenzene	ND	10							
sec-Butylbenzene	**ND**	1.0							
p-Isopropyltoluene	ND	1.0							
l,3-Dichlorobenzene	**ND**	1.0							
1,4-Dichlorobenzene	**ND**	10							
n-Butylbenzene	**ND**	10							
L;2-Dichlerebeezene-.	ND	1.0							
1,2-Dibromo-3-chloropropane	**ND**	1.0							
1,2,4- Itichlorobenzene	**ND**	1 0							
Hexachlorobutadiene	**ND**	10							
Naphthalene	ND	10							
1,2,3- Irichlcrobenzene	**ND**	1.0							
Surrogate *Dibromofluoromethane*		968 %		75-125					
Surrogate 1,2-Dichloroethane-d4		***102 %***		62-139					
Surrogate ***Toluene-d8***		***904 %***		75-125					
Surrogate *q-Bromofluorobenzene*		***904 %***		75-125					

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF122704-30	
151 Kalmus Drive, Suite H-II	**Project Number: los Alamitos High School**	**Reported:**
Costa Mesa CA, 92626	**Project Manager: Mr Greg Bishop**	30-Dec-04

Volatile Organic Compounds by EPA Method 8260B

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-4 (E412052-03) Water Sampled: 22-Dec-04 Received: 22-Dec-04									
Dichlorodifluoromethane	ND	I 0	ugll	005	6L42801	28-Dec-04	28-Dec-04	EPA 8260B	
Chloromethane	ND	1.0							
Vinyl chloride	ND	10							
Bromomethane	ND	10							
Chloroethane	ND	10							
Irichlorofluoromethane	ND	1 0							
Methylene chloride	ND	1.0							
" "<thyl tert-butyl ether	ND	1.0							
s-I,2-Dichloroethene	ND	1.0							
L'l-Dichloroethane	ND	10							
l,l-Dichloroethene	ND	10							
2,2-Dichloropropane	ND	1.0							
cis-l,2-Dichloroethene	ND	1.0							
Chloroform	ND	10							
Bromochloromethane	ND	10							
I, I, I-I richloroethane	ND	10							
Ll-Dichloropropene	ND	1.0							
Carbon tetrachloride	ND	1.0							
1,2-Dichloroethane	ND	1.0							
Benzene	ND	05							
1richloroethene	ND	1.0							
1,2-Dichloropropane	ND	1.0							
Bromodichloromethane	ND	10							
Dibrotnomethane	ND	1.0							
cis-I,3-Dichloropropene	ND	1.0							
lo1uene	ND	05							
nans-Ls-Dichloropropene	ND	10							
1,1,2-Trichloroethane	ND	1.0							
I,2-Dibromoethane (EDB)	ND	1.0							
1,3-Dichloropropane	ND	1.0							
Tetrachloroethene	ND	10							
Dibromochloromethane	ND	1.0							
Chlorobenzene	ND	1.0							
Ethylbenzene	ND	05							
1,2-1etrachloroethane	ND	10							
.p-Xylene	ND	1.0							
o-Xylene	ND	05							

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF 122704-30	
151 Kalmus Drive, Suite H-Il	**Project Number: los Alamitos High School**	Reported:
Costa Mesa CA, 92626	**Project Manager:** Mr **Greg Bishop**	30-Dec-04

Volatile Organic Compounds by EPA Method 8260B

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-4 (E412052-03) Water Sampled: 22-Dec-04 Received: 22-Dec-04									
Styrene	ND	I 0	ugfl	005	6L42801	28-Dec-04	28-Dec-04	EPA 8260B	
Bromoform	ND	I 0							
Isopropylbenzene	ND	1.0							
1,1,2,2-1etrachloroethane	ND	1.0							
1,2,3-I richloropropane	ND	1.0							
n-Propylbenzene	ND	10							
Bromobenzene	ND	10							
3,5-I rimethylbenzene	ND	1.0							
hlorotoluene	ND	1.0							
e-Chlorotoluene	ND	1.0							
tert-Butylbenzene	ND	10							
1,2,4-Irimethylbenzene	ND	I 0							
sec-Butylbenzene	ND	I 0							
p-lsopropyltoluene	ND	I 0							
1,3-Dichlorobenzene	ND	1.0							
La-Dichlorobenzene	ND	1.0							
n-Butylbenzene	ND	10							
1,2-Dichlorobenzene	ND	I 0							
1,2-Dibromo-**3-chloropropane**	ND	I 0							
1,2,4-I richlorobenzene	ND	1.0							
Hexachlorobutadiene	ND	10							
Naphthalene	ND	10							
1,2,3-Irichlorobenzene	ND	1.0							
Surrogate ***Dibromofluoromethane***	972%	75-125							
Surrogate ***1,2-Dichloroethane-d4***	101 %	62-139							
Surrogate Toluene-d8	876%	75-125							
Surrogate e-Bromofluorobenzene	932%	75·-125							

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF122704-30	
151 Kalmus Drive, Suite H-Il	**Project Number: Los Alamitos High School**	Reported:
Costa Mesa CA, 92626	**Project Manager: Mr Greg Bishop**	30-Dec-04

Volatile Organic Componnds by EPA Method 8260B

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
TB (E412052-04) Water Sampled: 22-Dec-04 Received: 22-Dec-04									
Dichlorodifluoromethane	ND	1.0	ugll	005	6L42801	28-Dec-04	**28-Dec-04**	EPA 8260B	
Chloromethane	ND	1 0							
Vinyl chloride	ND	10							
Bromomethane	ND	1.0							
Chloroethane	ND	10							
I richlorofluotomethane	ND	1 0							
Methylene chloride	ND	10							
-thyl tert-butyl ether	ND	1.0							
s-I,2-Dichloroethene	ND	10							
Lt-Dichloroethane	ND	1 0							
1,I-Dichloroethene	ND	1 0							
2,2-Dichloropropane	ND	1.0							
cis-l,2-Dichloroethene	ND	1 0							
Chloroform	ND	1 0							
Brornochloromethane	ND	10							
1,**I, 1-Trichloroethane**	ND	1.0							
1,1-Dichloropropene	ND	10							
Carben-tetrachloride-.	-ND--_.	1O- _"							
Lz-Dichloroethane	ND	1 0							
Benzene	ND	0.5							
I richloroethene	ND	1 0							
1,2-nichloropropane	ND	1 0							
Bromodichloromethane	ND	1.0							
Dibromomethane	ND	1 0							
cis-l,3-Dichloropropene	ND	1 0							
Toluene	ND	0.5							
trans-l,3-Dichloropropene	ND	1 0							
l,1,2-Trichloroethane	ND	1 0							
1,2-Dibromoethane CEDB)	ND	1.0							
1,3-Dichlorcpropane	ND	1 0							
Tetrachlcroethene	ND	1 0							
Dibromochloromethane	ND	1.0							
Chlorobenzene	ND	1 0							
Ethylbenzene	ND	0.5							
1,2-Tetrachloroethane	ND	1 0							
p-Xylene	ND	1.0							
o-Xylene	ND	05							

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF122704-30	
151 Kalmus Drive, Suite H-l1	Project Number: Los Alamitos High School	Reported:
Costa Mesa CA, 92626	Project Manager: Mr Greg Bishop	30-Dec-04

Volatile Organic Compounds by EPA Method 8260B

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
TB (E412052-04) Water Sampled: 22-Dec-04 Received: 22-Dec-04									
Styrene	ND	1.0	*ug/l*	005	6L42801	28-Dec-04	28-Dec-04	EPA 8260B	
Bromoform	ND	1.0							
Isopropylbenzene	ND	10							
1,1,2,2-1etrachloroethane	ND	10							
1,2,3-Trichloropropane	ND	10							
n-Propy lbenzene	ND	10							
Bromobenzene	ND	1.0							
1 3 5-Trimethylbenzene	ND	1.0							
rlorotoluene	ND	1.0							
q-Chlorotoluene	ND	1.0							
tert-Butylbenzene	ND	10							
1,2,4-Trimethylbenzene	ND	10							
sec-Butylbenzene	ND	10							
p-Isopropyltoluene	ND	10							
1,3-Dichlorobenzene	ND	1.0							
1,4-Dichlorobenzene	ND	1.0							
n-Butylbenzene	ND	1.0							
1,2-Dichlorobenzene	ND	1.0							
1,2-Dibromo-3-chloropropane	ND	10							
1,2,4-Trichlorobenzene	ND	10							
Hexachlorobutadiene	ND	10							
Naphthalene	ND	10							
1,2,3-Trichlorobenzene	ND	1.0							
Surrogate Dlbromofluoromethane		*102 %*		75-125					
Surrogate 1,2-Dichloroethane-d4		*104 %*		62·139					
Surrogate Toluene-d8		884 %		75-125					
Surrogate 4-Bromofluorobenzene		932%		75-125					

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF 122704-30	
151 Kalmus Drive, Suite H-II	Project **Number: Los Alamitos High School**	Reported:
Costa Mesa CA, 92626	**Project Manager:** Mr. **Greg Bishop**	30-Dec-04

Volatile Organic Componnds by EPA Method 8260B - Qnality Control

H & **P Mobile** Geochemistry **Lab 6**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6L42801 - EPA 5030										
Blank (6L42801-BLK1)				Prepared & Analyzed: 28-Dec-04						
Dichlorodifluorornethane	ND	10	ugll							
Chloromethane	ND	10								
Vinyl chloride	ND	10								
Bromomethane	ND	10								
Chloroethane	ND	10								
T -ichlorofluoromethane	ND	10								
hylene chloride	ND	10								
Methyl tert-butyl ether	ND	10								
trans-I,2-Dichloroethene	ND	10								
Lt-Dichloroethane	ND	10								
I, l-Dichloroethene	ND	10								
2,2-Dichloropropane	ND	10								
cis-Lz-Dicbloroethene	ND	10								
Chloroform	ND	10								
Bromochloromethane	ND	10								
I .r;1-Trichloroethane	ND	------ro	ii----							
I,I-Dichioropropene	ND	1.0								
Carbon tetrachloride	ND	1.0								
1,2-Dichloroethane	ND	1.0								
Benzene	ND	0500								
Trichloroethene	ND	10								
Lz-Dlchloropropane	ND	10								
Bromodichloromethane	ND	10								
Dibromomethane	ND	10								
cis-I ,3-Dichloropropene	ND	10								
Toluene	ND	0500								
trans-I **,3-Dichloropropene**	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
I,2-Dibromoethane (EDB)	ND	10								
1,3-Dichloropropane	ND	10								
t'etrachlcroethene	ND	10								
omochloromethane	ND	1.0								
c nlorobenzene	ND	1.0								

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF 122704-30	
151 Kalmus Drive, Suite H-II	Project Number: Los Alamitos High School	Reported:
Costa Mesa CA, 92626	Project Manager: Mr. Greg Bishop	30-Dec-04

Volatile Organic Compounds by EPA Method 8260B - Quality Control

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6L42801 - EPA 5030										
Blank (6L42801-BLKl)				Prepared & Analyzed: 28-Dec-04						
Ethylbenzene	ND	0500	ug/I							
I, 1,1,2-I etrachloroethane	ND	1.0								
m,p-Xylene	ND	1.0								
o-Xylene	ND	0500								
Styrene	ND	10								
"v-omoform	ND	10								
ropylbenzene	ND	10								
1,1,2,2-1etrachloroethane	ND	10								
1,2,3- Irichloropropane	ND	10								
n-Propylbenzene	ND	10								
Bromobenzene	ND	10								
1,3,5- I rimethylbenzene	ND	I 0								
2-Chlorotoluene	ND	1 0								
4-Chlorotoluene	ND	1 0								
tert-Butylbenzene	ND	1 0								
1,2,4- I rimethylbenzene	ND	1 0								
sec-Butylbenzene	ND	1.0								
p-Isopropyltoluene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	I 0								
n-Butylbenzene	ND	I 0								
1,2-Dichlorobenzene	ND	I 0								
1,2-Dibromo-3-chloropropane	ND	I 0								
1,2,4- I richlorobenzene	ND	1 0								
Hexachlorobutadiene	ND	1.0								
Naphthalene	ND	1.0								
1,2,3- I richlorobenzene	ND	1.0								
Surrogate Dibromofluaromethane	244			*2 50*		976	75-125			
Surrogate L l-Dichloroemane-de	252			*250*		*101*	62-139			
Surrogate, Toluene-db	*220*			*250*		*880*	75-125			
-rgase. s-Bromofluorobenzene	23/			*250*		924	75-125			

MOBILE GEOCHEMISTRY

H&P

EDF Associates	Project: EDF122704-30	
151 Kalmus Drive, Suite H-11	Project Number: Los Alamitos High School	Reported:
Costa Mesa CA, 92626	Project Manager: Mr Greg Bishop	30-Dec-04

Volatile Organic Compounds by EPA Method 8260B - Quality Control

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6L42801 - EPA 5030										
Matrix Spike (6L42801-MS1)	Source: E412052-04			Prepared & Analyzed: 28-Dec-04						
l,l-Dichloroethene	239	10	ug/1	250	NO	956	75-125			
Benzene	242	0500		250	ND	968	75-125			
Trichloroethene	251	LO		250	NO	100	75-125			
Toluene	250	0500		250	02	920	75-125			
Chlorobenzene	2.50	LO		250	NO	100	75-125			
rgate Dibromofluoromethane	236			250		944	75-125			
..rogate 1.l-Dichloroethane-de	252			*250*		*101*	62-139			
Surrogate Toluene-dB	219			*250*		876	75-125			
Surrogate -i-Bromofluorobenzene	233			*250*		932	75-125			
Matrix Spike Dup (6L42801.MSDl)	Source: E412052·04			Prepared & Analyzed: 28-Dec-04						
l,l-Dichloroethene	246	LO	ug/l	250	ND	984	75-125	289	20	
Benzene	244	0500		250	NO	976	75-125	0823	20	
Trichloroethene	248	10		250	NO	99.2	75-125	120	20	
Toluene	247	0500		250	02	908	75-125	121	20	
Chlorobenzene	257	1.0		250	ND	103	75-125	276	20	
S'urrogate_Dibromofluoromethane	236			250		944	75-125			
Surrogate, 12-Dichloroethane-d4	257			*250*		*103*	62-139			
Surrogate, Toluene-dB	221			*250*		884	75-125			
Surrogate, 4-Bromofluorobenzene	234			*250*		936	75-125			

MOBILE GEOCHEMISTRY

H&P

EDF Associates	Project: EDF *122704-30*	
151 Kalmus Drive, Suite H-l1	Project Number: Los Alamitos High School	Reported:
Costa Mesa CA, 92626	Project Manager: Mr. Greg Bishop	30-Dec-04

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOJ DEJECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

CHAIN OF CUSTODY RECORD

EDF122704-L

Address: LOS ALAMITOS High School
591 CERRITOS AVENUE
LOS ALAMITOS, CALIFORNIA

ESC 041196-04

TAT - Standard

EDF 122204-11

Sample By: GREG BISHOP Date: 12/22/04
Project Manager: GREG BISHOP
Project Name: LOS ALAMITOS HIGH SCHOOL
Project Number: 72104

StrategiCEnvironmental Consulting Services
151 Kalmus Drive, Suite H-11, Costa Mesa, California 92626
Telephone (714) 444-1270
Fax (714) 4414-1211

SAMPLEID	DESCRIPTION	DATE	TIME	MATRIX	No. OF CONT.	Hydrocarbon Chain by Mod EPA 8015 TPH-C4-C8	Mod EPA 8015 TPH-C9-C40	EPA 8260B VOCs	EPA 8260B Oxygenates	EPA 8270C SVOCs	EPA 6010B Metals	Temperature		SPECIAL INSTRUCTIONS
SG-8	SG-8 Groundwater	12/22/04	10:50A	GW	4	X	X							
SG-8 DUP	SG-8 Groundwater Duplicate	12/22/04	11:40A	GW	4	X	X							
SG-4	SG-4 Groundwater	12/22/04	1:52P	GW	4	X	X							
TEMP	Temperature Blank		2:02P	Water	1						X			
TB	Trip Blank		2:03P	↓	4		X							
BG-1	Background		2:49P	SOIL	1					X				
BG-2	↓		2:40P	↑	1					X				
BG-3			2:30P		1					X				
BG-4	↓		2:37P	↓	1					X				
BG-2 DUP	Background Duplicate ↓		2:40P	↓	1					X				

Relinquished By: (EDFA) Date 12/22/04 Time 3:00P Received By:

Relinquished By: Date Time Received By:

E412052

PAGE 1 OF 1

ATTN: LOUISE ADAMS HT LABS 858.793.0404

CHAIN OF CUSTO RECORD

Site Address:	Los Alamitos High School 3591 Cerritos Avenue Los Alamitos, California
Sample By:	Chris Bishop Date: 12/22/04
Project Manager:	Chris Bishop
Project Name:	Los Alamitos High School
Project Number:	2.304

EDF-Associates, LLC
Total Environmental Consulting Services
151 Kalmus Drive, Suite E-140, Costa Mesa, California 92626
Telephone (714) 444-1270
Fax (714) 444-1211

SAMPLE ID	DESCRIPTION	DATE	TIME	MATRIX	No. OF CONT.	TCLP Metals, TTLC Metals	TCLP VOC, TTLC VOC	TCLP SVOC, TTLC SVOC	TCLP Metals, TTLC Metals	Turn around time	SPECIAL INSTRUCTIONS
Sc-8	Sc-8 [illegible]	[illegible]	[illegible]	Soil	4	X	X				
Sc-8 QA	Sc-8 [illegible]	[illegible]	[illegible]	Soil	4	X	X				
Sc-4	Sc-4 [illegible]	[illegible]	[illegible]	Soil	1	X	X				
TEMP	Temperature Blank		[illegible]	Water	1				X		
FB	Field Blank		2:00	DI	3		X				
BG-1	Background		[illegible]	Soil	1				X		
BG-2	↓		2:45		1				X		
BG-3			2:30		1				X		
BG-4			2:35		1				X		
BG-2 QA	Background Duplicate	↓	2:45	↓	1				X		

* Level IV Data Deliverables
Fiona Lucas 12/27/04

Relinquished By:	(EDFA)	Date: 12/27/04	Time: 3:00	Received By:
Relinquished By:		Date:	Time:	Received By:

PAGE 1 OF 1

PAGE 01 EDF ASSOCIATES, LLC 7144441211 12/27/2004 13:52

CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

March 15, 2005 ELAP Certificate No: 2268

Mr. Eric Floyd
EDF-Associates, LLC
151 Kalmus Drive, Suite H-11
Costa Mesa, CA 92626

Project: Los Alamitos USD PEA
C&E ID: 50214C

Dear Mr. Floyd:

Enclosed please find an analytical report for the sample(s) received by Chemical & Environmental Laboratories, Inc on February 14,2005, and analyzed as indicated in the attached chain-of-custody.

Unless otherwise noted, no problems were encountered during receiving, preparation and analysis of these samples

Please contact me at (562) 921-8123 if you have any questions regarding this report

Sincerely,

Larry Zhang, PhD.
Laboratory Director

ANALYTICAL REPORT

--- 8015M(HC-Range) ---

Client Name:	**EDF** Associates	Date Sampled:	*02114105*
Project Manager:	Eric Floyd	Date Analyzed:	02117/05
Project Name:	los Alamitos USD PEA	Date Reported:	*02/24/05*
Sample Matrix:	Water		

SAMPLE lNFORMAnON			RESULT (µg/L or ppb)			%
C&E ID	Sample ID	DF	C_4-C_{12}	C_{13}-C_{22}	C_{23}-C_{40}	Surrogate!
50214C-18	SG-2-GW	1	ND	ND	ND	95
50214C-19	SG-9-GW	1	ND	ND	ND	97
50214C-20	SG-9-GW Dup	1	ND	ND	ND	94
50214C-23	Trip Blank	1	ND	ND	ND	95
Detection Limit			100	500	1000	70-130

ND = Not detected at the indicated detection limit, DF = Dilution Factor MI - Matrix Interference. unquantifiable; coeluting organics in sample

ENVIRONX

ANALYTICAL REPORT

--- M8015(Gasoline) ---

Client Name:	**EDf Associates**	Date Samp led	***02/) 4105***
Project Manager:	Eric Floyd	**Date Analyzed:**	02117/05
Project Name:	Los Alamitos USD PEA	Date Reported:	02/24/05
Sample Matrix:	Vapor		

SAMPLE INFORMATION			RESULT
C&E ID	Sample ID	or	(ppm v)
50214C-24	SG-1-Dup		NO

Detection Limit: 0 02

NO = Not detected at the indicated detection limit Of = Dilution Factor, Reporting Limit = OF x Detection Limit

ANALYTICAL REPORT

--- EPA 8260B(BTEX/Oxygenated Compounds) ---

Client Name:	EDF Associates	Date Sampled:	02/14/05
Project Manager:	Eric Floyd	Date Analyzed:	0211 7/05
Project Name:	Los Alamitos USD PEA	Date Reported:	02/24/05
Sample Matrix:	Water		

C&E ID		50214C-18	50214C-19	50214C-20	50214C-23
SAMPLE ID		SG-2-GW	SG-9-GW	SG-9-GW Dup	Trip Blank
OF					
COMPOUND	**Detection Limit** *(ug/l)*	RESULT (ug/L or ppb)			
Ethyl Tertiary Butyl Ether	2	NO	NO	NO	NO
Tertiary Amyl Methyl Ether	2	NO	NO	NO	NO
Diisopropyl Ether	2	NO	NO	NO	NO
Tertiary Butyl Alcohol	10	NO	NO	NO	NO
MTBE	2	NO	NO	NO	NO
Benzene		NO	NO	NO	NO
Toluene		NO	NO	NO	NO
Ethylbenzune		NO	NO	NO	ND
Xylenes		NO	NO	NO	NO
% Surrogate Recoveries	70-130	103	127	129	120

ND = **Not** detected **at** the **indicated detection limit** DF = **Dilution** Factor Reporting Limit = DF x **Detection Limit**

ANALYTICAL REPORT

--- EPA 8260B(VOCs) ---

Client Name:	EDF Associates	Date Sampled:	02114/05
Project Manager	Etic floyd	Date Analyzed:	02/17/05
Project Name:	Los Alamitos USD PEA	Date Reported:	02 '24/05
Sample Mattix:	Vapor		

C&E ID	50214C-24
SAMPLE ID	SG-1-Dup
OF	I

COMPOUND	Detection Limit (ppm v)	RESULT (ppm v)
Acetone	0 05	ND
Benzene	0 05	ND
Bromodichloromerhanc	005	ND
Bromoform	0 25	ND
Bromomethane	0 25	ND
j-Butanone (MEK)	025	ND
Carbon Disulfide	0 25	ND
Carbon Tell achloi ide	005	ND
Chlorcbenzenc	005	ND
Ch loroethane	0 25	ND
Chloroform	005	ND
Chloromethane	025	ND
Cyclohexane	005	ND
Dibromochloromcthane	005	ND
1.2-Dibromo-3-Chloropropane	0 25	ND
l..?-Dibromoethane	0?5	ND
1.2-Dichlorobenzene	0 25	ND
I,3-Dichlorobenzene	025	ND
1.4-Dichlorobenzene	005	ND
Dich lorod ifluoromerhane	005	ND
1 l-Dichtorocthanc	005	ND
l.l-Dichloroethane	025	ND
I,I-Dichloroethene	005	ND
cis-Lz-Dichloroethene	005	ND
nans-l 2-Dichloroethene	005	ND
cis-Lz-Dichlorcethene	005	ND
trans-l 2-Dichloroethene	005	ND
1.2-Dich loropropane	005	ND

To be continued on page 2

ANALYTICAL REPORT

--- EPA 8260B (VOCs) ---

Client Name: EDF Associates
Project Manager: Eric Floyd
Project Name: Los Alamitos USD PEA
Sample Matrix: Vapot

Date Sampled: *02114/05*
Date Analyzed: *02117/05*
Date Reported: *02/24/05*

C&E ID 50214C-24

SAMPLE ID SG-1-Dup

COMPOUND	Detection Limit (ppm v)	RESULT (ppm v)
I 2-Dichloropropane	005	NO
trans- **I 3-Dichloroptopene**	005	NO
cis-l **3-Dichloropropene**	005	NO
Ethylhenzene	005	NO
2-Hexanone	005	NO
Methyl Acetate	005	NO
Methylcyclohexane	005	NO
Methylene Chlotide	005	NO
-t-Methy1-2-Pentanone	005	NO
Styrene	005	NO
lsopropylbenzene	005	NO
4-1sopropyltoluene	005	NO
1,**I** 2,2-**Tetrachloroethane**	005	NO
Tetrachlor **oethene**	005	NO
Toluene	005	NO
I ,2.4-**Trichlorobenzene**	005	NO
t.t **1-11** ichloroethanc	005	NO
1,1,2-Trichloroethanc	005	NO
Trichloi iocthcne	005	NO
Trielllorofluoromethane	025	NO
1],2-**T**richlorotrifluoroethane	005	NO
Vinyl Chloride	025	NO
Total Xylenes	005	NO

Surrogate Compounds	% Su.rogate Recovery (70-130)
Dibromofluorornethane	94
Toluene-Dd	III
4-Bromofiuorobenzene	120

ND = **Not** detected at **the indicated detection limit** DF = **Dilution factor** MJ = Matrix Interference unquatifiablc: coeluting **organics in** sample

VIRONMENT

ANALYTICAL REPORT

--- EPA 8260B(Oxygenated Compounds) ---

Client Name:	EDF Associates	Date Sampled:	02/14/05
Project Manager:	Eric Floyd	Date Analyzed:	*02/1 7105*
Project Name:	Los Alamitos USD PEA	Date Reported:	02/24/05
Sample Matrix:	Vapor		

C&E 1D	50214C-24
SAMPLE ID	SG-I-Dup
OF	

COMPOUND	**Detection** Limit (ppm v)	RESUL T (ppm vi
Ethyl Tertiary Butyl Ether	0010	ND
Tertiary Amyl Methyl Ether	0010	ND
Diisopropyl Ethet	0010	ND
Tertiary Butyl Alcohol	O r00	ND
MTBE	001	ND

ND = **NOl** detected at the **indicated detection** limit **D!** = **Dilution** l actor

ANALYTICAL REPORT

--- CAM Metals ---

Client Name: **EOF Associates**
Project Manager: Eric Floyd
Project Name: Los Alamitos USD PEA
Sample Matrix: Soil

Date Sampled: 02 114/05
Date Analyzed: *02/23/05*
Date Reported: 02/24/05

C&E lD			502]4C-1	50214C-6	50214C-IO	50214C-] 3	502] 4C-30
SAMPLE lD			P-I-Sur	P-3-3	P-5-3	P-7-Sur	**P-.3-3** Dup
ELEMENT	METHOD	**Detection** Limit ***(mg/kg)***	RESULT (rug/kg **or ppm)**				
Antimony (Sb)	6010	5	ND	ND	ND	ND	ND
Arsenic (As)	60]0	5	ND	ND	ND	ND	ND
Barium (Ba)	60]0	5	80	71	82	88	57
Berryllium (Be)	6010	05	ND	ND	ND	ND	ND
Cadmium (Cd)	60]0	05	ND	ND	ND	ND	ND
Chromium **(Cr)**	6010		13	14	14	16	8
Cobalt (C0)	6010	5	6	6	7	7	5
Copper (Cu)	6010		12	11	13	15	8
lead t Pbt	601()		5	ND	2	13	ND
Mercury **(Hg)**	7471	01	ND	ND	ND	ND	ND
Molybdenum (Mo)	6010	5	ND	ND	ND	ND	ND
Nickel (Ni)	60]0	5	10	9	11	12	6
Selenium (Se)	6010		ND	ND	ND	ND	ND
Silver (Ag)	6010		ND	ND	ND	ND	ND
Thallium (TI)	6010	5	ND	ND	ND	ND	ND
Vanadium (V)	6010	5	*'n*	29	33	30	17
Zinc (Zn)	60]0		48	44	50	51	.31

NO = Not detected at **the** indicated detection **limit**

ANALYTICAL REPORT

--- EPA 8081 (Pesticides) ---

Client Name:	EOF Associates	Date Sampled:	*02114105*
Project Manager:	Eric Floyd	Date Analyzed:	*02/25/05*
Project Name:	Los Alamitos USO PEA	Date Reported:	03/07/05
Sample Matrix:	Soil		

C&E lD		50214C-1	50214C-2	50214C-3	50214C-4	50214C-5
SAMPLE ID		p-]-Sur	P-I-3	P-2-Sur	**P-2-3**	**P-3-Sur**
ELEMENT	**Detection Limit (µg/kg)**	RESULT (ug/kg or ppb)				
Aldrin	0 7	ND	ND	ND	ND	NO
a-BHC	09	ND	ND	ND	ND	ND
β-BHC	09	ND	ND	ND	**NO**	NO
y-BHC	08	ND	ND	NO	NO	NO
δ-BHC	06	ND	ND	NO	NO	NO
Chlordane	O I	ND	ND	NO	ND	ND
4A'-ODD	06	ND	ND	NO	NO	NO
44'·00E	05	2100	4 2	**34**	3 I	900
4,4'-DD r	05	NO	NO	NO	ND	NO
Dieldrin	09	NO	NO	**ND**	NO	NO
Endosulfan I	08	NO	NO	NO	NO	NO
Endosulfan II	O 7	NO	NO	NO	NO	NO
Endosulfan Sulfate	[6	NO	NO	NO	NO	NO
Endrin	I 5	NO	NO	NO	NO	NO
Endrin Aldehyde	26	NO	NO	NO	NO	NO
Heptachlor	I 2	NO	NO	NO	NO	NO
Heptachlor Epoxide	07	NO	NO	NO	NO	NO
Methoxychlor	I 7	NO	NO	NO	NO	NO
Toxaphene	14	NO	NO	NO	NO	NO
Surrogate Compounds		% Surrogate Recovery(55-140)				
2,4,5.6-tetrachloro-m-xy lene		101	107	106	91	127
decachlorobiphenyl		91	92	96	**85**	107

ND = Not detected **at the indicated** detection limit **Dr = Dilution** Factor **Ml =** Matrix **Interference** unquatifiablc: cccluting **organics** in **sample**

ANALYTICAL REPORT

--- EPA 808l(Pesticides) ---

Client Name:	EDF Associates	Date Sampled:	02/14/05
Project Manager:	Eric Floyd	Date Analyzed:	02 125105
Project Name:	Los Alamitos USD PEA	**Date Reponed:**	03/07/05
Sample Matrix:	Soil		

C&E ID		50214C-6	50214C-7	50214C-8	50214C-9	50214C-10
SAMPLE 10		**P-3-3**	P-4-Sur	P-4-3	P-5-Sur	P-5-3
ELEMENT	**Detection Limit** (ug/kg)	RESULT (µg/kg or ppb)				
Aldrin	07	ND	ND	ND	ND	ND
a-SHC	09	ND	NO	NO	ND	NO
β-BHC	09	NO	NO	ND	ND	NO
ν-BHC	08	ND	NO	NO	NO	NO
δ-BHC	06	NO	ND	ND	NO	NO
Chlordane	01	NO	NO	NO	NO	ND
4.4'-000	06	NO	NO	NO	NO	NO
14'-ODE	05	NO	95	45	ND	16 2
4.4'-ODT	05	NO	ND	ND	NO	NO
Dieldrin	09	NO	ND	ND	ND	NO
Endosulfan I	08	NO	NO	NO	NO	NO
Endosulfan II	07	NO	NO	ND	ND	NO
Endosulfan Sulfate	16	NO	NO	NO	ND	ND
Endrin	I 5	NO	NO	NO	ND	ND
Endrin Aldehyde	2 6	NO	NO	NO	ND	ND
Heptachlor	12	NO	NO	NO	ND	ND
Heptachlor Epoxide	07	NO	ND	ND	NO	NO
Methoxychlor	I 7	NO	ND	NO	NO	NO
Toxaphene	14	NO	NO	NO	NO	NO
Surrogate Compounds		**% Surrogate Recovery(55-140)**				
2,4 5,6-tetr3chloro-m-xylene		89	81	77	96	101
decachlorobiphenyl		103	60	92	**73**	105

NO = Not detected at the indicated detection limit **OF = Dilution factor** **MI =** Matrix Interference unquatifiablc: **coeluting organics** in **sample**

ANALYTICAL REPORT

--- EPA 8081 (Pesticides) ---

Client Name:	EOF Associates	Oate Sampled:	02/14/05
Project Manager:	Eric Floyd	Oate Analyzed:	02/25/05
Project **Name:**	Los Alamitos USO PEA	**Date Reported:**	*03107/05*
Sample Matrix:	Soil		

C&E ID		50214C-11	50214C-12	50214C-13	50214C-14	50214C-15
SAMPLE ID		P-6-Sut	P-6-3	P-7-Sur	P-7-3	P-8-Sur
ELEMENT	**Detection Limit** (ug/kg)	RESULT (ug/kg or ppb)				
Aldrin	07	NO	NO	NO	NO	NO
a-SHC	09	NO	NO	NO	NO	NO
β-BHC	09	NO	NO	NO	NO	NO
y-SHC	08	NO	NO	NO	NO	NO
δ-BHC	06	NO	NO	NO	NO	NO
Chlordane	01	NO	NO	NO	NO	NO
4,4'-DDD	06	ND	NO	NO	NO	ND
4.4'-DDE	05	160	90	306	NO	28
4.4'-DDT	05	NO	NO	NO	NO	ND
Dieldrin	09	NO	NO	NO	NO	ND
Endosulfan I	08	NO	NO	NO	NO	ND
Endosulfan II	07	NO	NO	NO	NO	ND
Endosulfan Sulfate	16	NO	NO	NO	NO	ND
Endrin	I 5	NO	NO	NO	NO	ND
Endrin Aldehyde	26	NO	NO	NO	NO	NO
Heptachlor	12	NO	NO	NO	NO	ND
Heptachlor Fpoxide	07	NO	NO	NO	NO	NO
Methoxychlor	I 7	NO	NO	NO	NO	NO
Toxaphene	14	NO	NO	NO	NO	NO
Surrogate Compounds		% Surrogate Recovery(55-140)				
2,4,5,6-tetrachloro-m-xylene		92	112	84	79	114
decachlorobiphenyl		92	109	103	91	96

NO = Not detected at the indicated detection limit DF = Dilution Factor **MI = Matrix Interference,** unquatifiable: **coeluting organics in sample**

TRONMENTAL

ANALYTICAL REPORT

--- EPA 8081(Pesticides) ---

Client Name:	EDF Associates	Date Sampled:	02114/05
Project Manager:	Eric Floyd	Date Analyzed:	02/25/05
Project Name:	Los Alamitos USD PEA	Date Reported:	03/07/05
Sample Matrix:	Soil		

C&E ID		50214C-16	50214C-30	50214C-31
SAMPLE 1D		P-8-3	P-3-3 Dup	P-7-3 Dup
ELEMENT	**Detection** Limit (ug/kg)	RESULT (ug/kg or ppb)		
Aldrin	07	ND	ND	ND
a-BHC	09	ND	ND	ND
β-BHC	09	ND	ND	ND
y-BHC	08	ND	ND	ND
δ-BHC	06	ND	NO	ND
Chlordane	0 I	ND	NO	ND
4.4'-DOD	06	ND	NO	NO
4.4-DDE	05	]7 8	NO	ND
4.4'-DOT	05	ND	ND	NO
Dieldrin	09	NO	NO	NO
Endosulfan I	08	NO	NO	ND
Endosul!an II	07	NO	NO	NO
Endosulfan Sulfate	[6	NO	NO	NO
Endr in	I 5	ND	NO	ND
Endrin Aldehyde	26	NO	NO	NO
Heptachlor	]2	NO	NO	NO
Heptachlor Epoxide	**07**	NO	NO	NO
Methoxychlor	I 7	NO	NO	NO
Toxaphene	14	NO	NO	NO

Surrogate **Compounds**	% **Sunogate Recovery(55-140)**		
2,4,5,6-tetrach [oro-m-xylene	106	78	]00
decachlorobiphenyl	109	**83**	96

NO = Not detected at the indicated detection limit **Of = Dilution Factor** Ml = **Matrix Interference** unquatifiable: coeluting **organics in sample**

CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

QCREPORT

--- M80 15(Diesel) ---

Matrix Spike/Matrix Spike Duplicate

Date Performed: 02/17/05
QC Batch #: TPHD50217
Unit: mg/L

ANALYTE	SPK CONC	MS (mg/L)	MS %	MSD (mg/L)	MSD %	RPD	ACP %MS	ACP RPD
Diesel	500	393 I	786	3966	793	09	70-130	20

ANAL YTE	SPK CONC	LCS (mg/L)	LCS %
Diesel	500	389 0	77 8

Method Blank

COMPOUND	Reporting **Limit** **(ug/L)**	RESULT
Diesel	500	NO

ND = Not detected at the indicated reporting limit

LCS

ANALYTE	SPK CONC	LCS	LCS %
DIPE	40	3908	9770
ETBE	40	3598	8995
Benzene	40	38 31	95 78
Toluene	40	3852	96 30
Ethylbenzene	40	3662	91 55
Xylenes	40	4001	10003

Method Blank

COMPOUND	Reporting Limit (ug/L)	RESULT
Ethyl Tertiary Butyl Ether	2	ND
Tertiary Amyl Methyl Ether	2	ND
Diisopropyl Ether	2	ND
Tertiary Butyl Alcohol	10	ND
MTBE	2	ND
Benzene		ND
Toluene		ND
EthyIbenzene		ND
Xylenes		ND

NO = Not detected at the indicated reporting limit

CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

Date Performed: *02/23/05*

QC Batch #. MET59223

ANALYTE	SPK CONC	MS
Arsenic	10	**83**
Selenium	]0	84
Cadmium	]0	93
Lead	]0	94
Barium	10	94

LCS

ANALYTE	SPK CONC	LCS	LCS %
Arsenic	]0	10 I	]O]
Selenium	10	90	90
Cadmium	10	97	97
Lead	10	112	112
Barium	]0	106	106

Method Blank

ELEMENT	Reporting **Limit** (mg/kgj	RESULT
Antimony (Sb)	5	NO
Arsenic (As)	5	NO
Barium (Ba)	5	NO
Berryllium (Be)	05	ND
Cadmium (Cd)	0.5	ND
Chromium (Cr)	I	ND
Cobalt (Co)	5	ND
Copper (Cu)	]	ND
Lead (Pb)	]	ND
Mercury (Hg)	O]	ND
Molybdenum (Mo)	5	ND
Nickel (Ni)	5	ND
Selenium (Se)	]	ND
Silver (Ag)	]	ND
Thallium (TI)	5	ND
Vanadium (V)	5	ND
Zinc (Zn)	1	ND

CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

QCREPORT

--- EPA 8081 (Pesticides) ---

Matrix Spike/Matrix Spike Duplicate

Date Performed: 02/25/05
QC Batch #: PEST50225

Unit: ug/kg

ANALYTE	SPK CONC	MS	MS %	MSD	MSD %	RPD	ACP %LCS	ACP RPD
gamma-BHC	50	57	114	55	110	36	60-130	30
Heptachlor	50	63	126	65	130	3 I	60-130	**30**
Aldrin	50	49	98	48	96	21	60-130	30
Dieldrin	50	44	88	46	92	44	60-130	30
Endrin	50	40	80	**38**	76	5 I	60-130	30
4,4'-DDE	50	55	110	52	104	56	60-130	30

LCS

ANALYTE	SPK CONC	LCS	LCS %
gamma-BHC	50	59	118
Heptachlor	50	53	106
Aldrin	50	5.3	106
Dieldrin	50	52	104
Endrin	50	54	108
4,4'-DDE	50	49	98

Method Blank

COMPOUND	**Reporting Limit** (ug/kg)	RESULT
Aldrin	07	ND
alpha-BHC	09	ND
gamma-BHC	08	ND
beta-BHC	09	ND
delta-BHC	06	ND
Chlordane	01	ND
4,4'-DDD	06	ND
4,4'-DDE	05	ND
4,4'-DDT	05	ND
Dieldrin	09	ND
Endosulfan 1	08	ND
Endosulfan 11	O7	ND
Endosulfan Sulfate	I 6	ND
Endrin	I 5	ND
Endrin Aldehyde	26	ND
Heptachlor	12	ND
Heptachlor Epoxide	07	ND
Methoxychlor	I 7	ND
Toxaphene	1.4	ND

ND = Not detected at the indicated reporting limit

14148 F *Firestone Blvd, Santa Fe Springs, CA 90670 Tel 310921-8123, Fax 310921-7974*

CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

SAMPLE RECEIPT FORM

DATE: 2-14-05 CLIENT: EDF - Associates Cooler 1 of 1

C&E Lab ID: 50214C Initials: B.G.

LA ORY (Other than C&E Courier): C & E COURIER

5 °C Temperature Blank

_ Ambient Temperature

_Chilled, cooler with temperature blank provided

_ Chilled. cooler without temperature blank

_Chilled and placed in cooler with wet ice

_ Ambient and placed in cooler with wet ice

_Ambient Temperature

°C lemperaturc blank

CUSTODY SEAL INTACT:

Sample(s):___ Cooler: No (Not Intact): Not Applicable (N/A): ✓

SAMPLE CONDITION:	Yes	No	NA
Chain-of-Custody document(s) received with samples	>		
2 Sample container label(s) consistent with custody paper s	✓		
3 **Sample container(s) intact and in good condition**	✓		
4 Correct containers for analyses requir ed	-:		
5 Proper preservation noted on sample label(s)	✓		
6 VOA vial(s) free of headspace	✓		

COMMENTS:

14148 E Firestone Blvd, Santa Fe Springs, CA 90670 Tel: 562921-8123, Fax: 562921-7974

CI-IAI OF CUSTODY RECORD

Site Address:
3591 Cerritos Ave
Los Alamitos CA

Sample By: Date:
Project Manager:
ProJect Name:
Project Number:

EDFA

EDF Associates

Strategic Environmental Consulting Services

151 Kalmus Drive, Suite E140, Costa Mesa, California 92626
Telephone (714) 44-1270
Fax (714) 444 1211

SAMPLE ID	DESCRIPTION	DATE	TIME	MATRIX	No. OF CONT.	Mod EPA 8015 TPH	EPA 8260B VOCs	EPA 8260B Oxygenates	EPA 8270C SVOCs	EPA 6010B Metals	SPECIAL INSTRUCTIONS
P-1-5-W						X					
P-1-3						X					
P-2						X					
P-S.::						X					
P-3						X					
P-3-5						X					
P-4-5						X					
P-4-3						X					
P-5-5-W						X					
P-5-3						X		X			I.!
P-6-5						X					
P-6-3						X					
P-7-5-W						X		X			-1
P-7-3		1				X					
P-8-5						X					-1
P-8-3						X					
SG-2-15						X		X			

Relinquished By: Date Time [Recerved Bv:

Relinquished By: Date Time Received By:

PAGE ___ OF ___

CHAIN OF CUSTODY RECORD

502 HC

Site Address:

35[illegible]

Sample By: Date:

Project Manager:

Project Name:

Project Number:

EDFA

Strategic Environmental Consulting Services

151 Kalmus Drive, Suite E-140, Costa Mesa, California 92626
Telephone (714) 444-1270
Fax (714) 444-1211

SAMPLEID	DESCRIPTION	DATE	TIME	MATRIX	No. OF CONT.	SPECIAL INSTRUCTIONS
SC-2-6-W						
SC-9-6-W			12:15			
SC-9-6-W DUP						
SC-9-2						
SC-9-5			11			
SC-9-10						
SC-1						
SC-2						
2-5						

Relinquished By: Date Time Received By:

Relinqmsned By: Date Time iRecelved Bv:

PAGE ___ OF ___

GEOTECHNICAL ANALYSES

PTS Laboratories
ENVIRONMENTAL SERVICES

February 25, 2005

Mr, Larry Zang
Chemical & Env. Labs
14148 E. Firestone Blvd.
Santa Fe Springs, CA 90670

Re: 35088
PTS File: 50214C

Dear Mr. Zang:

Enclosed are final data for samples submitted from your Project # 50214C. Electronic versions of the data have been previously sent to your attention. All analyses were performed by applicable ASTM, EPA or API methodology. The samples are currently in storage and will be held for thirty days before disposal.

We appreciate the opportunity to be of service and trust these data will prove beneficial in the development of this project. Please call me at (562) 907-3607 with any questions or if you require additional information.

Sincerely,
PTS Laboratories, Inc.

Larry Kunkel
District Manager

LAK:vk

End

8'100 Secura Way -- Santa Fe Springs, CA 90670
Phone 562 907 3607 Fax 562 907 3610
waw *ptsgeolabs com*

PTS Laboratories, Inc.

Chermcat & Environmental Laboratones, Inc.
PTS File No: 35088

PARrICLE SIZE SUMMARY

(METHODOLOGY: ASTM D422/D4464M)

PROJECT NAME. N/A
PROJECT NO: 50214C

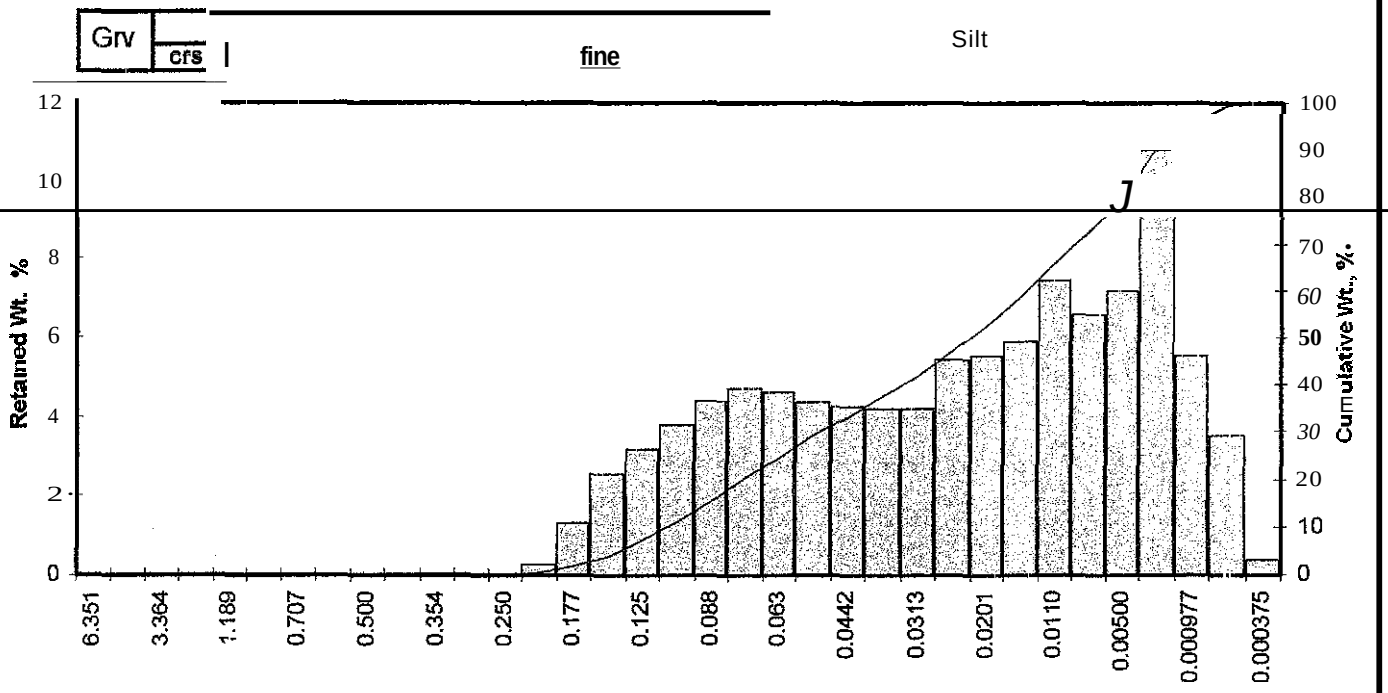
Sample ID	Depth. ft.	Mean Grain Size Description (1)	Median Grain Size mm	Particle Size Distribution, wt. percent						Silt & Clay
				Gravel	Sand Size			Silt	Cay	
					Coarse	Medium	Fine			
G-2-2 50214C-25	N/A	Silt	0.022	0.00	0.00	0.00	20.16	59.62	2(.22	79.84
G-2-5 50214C-26	N/A	Silt	0.024	0.00	0.00	0.00	22.11	57.86	2(.03	77.89
G-2 -1050214C-27	N/A	Silt	0.022	0.00	0.00	0.00	12.46	69.77	1 .77	87.54
G-2 15 50214C-28	N/A	Silt	0.007	0.00	0.00	0.00	0.00	61.18	3 .82	100.00
G-2 -2050214C-29	N/A	Silt	0.029	0.00	0.00	0.00	23.37	58.25	1 .38	76.63

(1) Based on Mean from Trask

PTS Laboratories, Inc.

Particle Size Analysis - ASTM 04464M

Client:	Chemical & Environmental Laboratories. Inc	PTSFileNo:	35088
Project:	*N/A*	Sample **10:**	50214G-25
Project No:	50214C	Depth, fl:	*N/A*



Particle Size, mm

Opening Inches	Opening Millimeters	Phi of Screen	U.S. No.	Sample Weight, grams	Increment Weight, percent	Cumulative Weight, percent
02500	6351	·267	114	000	000	000
0.1873	4.757	-2.25	4	0.00	0.00	0.00
01324	3364	-175	6	000	000	000
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1189	-025	16	000	000	000
00331	0841	025	20	000	000	000
00278	0707	0.50	25	000	000	000
00234	0595	075	30	000	000	000
00197	0.500	100	35	000	000	000
0.0166	0.420	1.25	40	0.00	0.00	0.00
00139	0.354	150	**45**	**000**	000	000
00117	0297	175	SO	000	000	000
0.0098	0250	200	60	001	001	001
00083	0210	225	70	028	028	029
00070	0177	250	80	129	129	158
00059	0149	275	100	251	251	409
00049	0125	300	120	318	318	7.27
00041	0105	325	140	378	378	1105
00035	0088	350	170	4.40	440	1545
0.0029	0.074	3.75	200	4.71	4.71	20.16
0.0025	0063	400	230	459	459	2475
0.0021	0053	425	270	435	4.35	2910
000174	00442	450	325	424	424	3334
000146	00372	475	400	420	420	3754
0.00123	00313	500	450	418	418	4172
0000986	00250	532	500	542	542	4714
0000790	00201	564	635	553	553	52.67
0000615	00156	600		592	592	5859
0000435	00110	650		745	745	6604
0000308	000781	700		655	655	7259
0.000197	0.00500	7.65		7.19	7.19	79.78
0000077	000195	900		10.80	1080	9058
0.000038	0000977	1000		553	553	9611
0000019	0000488	11.00		3.51	351	99.62
0.000015	0.000375	11.38		*0.38*	0.38	100.00
TOTALS				100.00	100.00	100.00

Cumulative Weight Percentgreater than

Weight percent	Phi Value	Particle Size Inches	Particle Size Millimeters
5	282	0 0056	0141
10	318	00043	0110
16	353	00034	0087
25	401	00024	0.062
40	4.90	00013	0034
50	549	00009	0022
60	609	00006	0015
75	722	00003	0007
84	817	00001	0003
90	893	00001	0002
95	9,80	0,0000	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	5.49	5.49	5.49
Median, in	0.0009	0.0009	00009
Median, mm	0022	0022	0022
Mean, phi	4.87	5.85	573
Mean, in	0.0014	0.0007	0.0007
Mean, mm	0034	0017	0019
Sorting	3033	2323	2219
Skewness	0.914	0156	0197
Kurtosis	0.255	0.502	0.893

Grain Size Description (ASTM-USCS Scale') — Silt (based On Mean fromTrask)

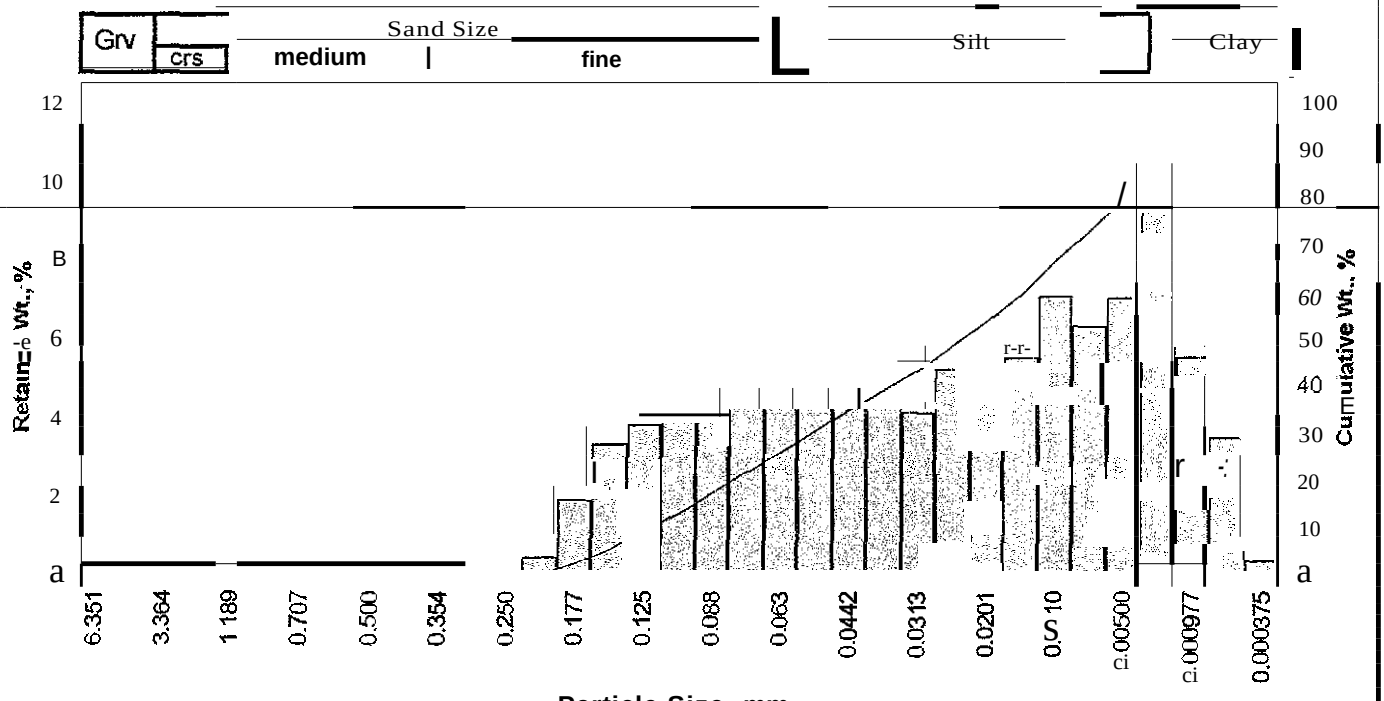
Description	Retained on Sieve #	Weight Percent
Gravel	4	000
Coarse Sand	10	000
Medium Sand	40	000
Fine Sand	200	2016
Silt	>**0005** mm	5962
Clay	<**0.005** mm	20.22
	Total	100

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client: Chemical & Environmental Laboratories, Inc
Project: *N/A*
Project No: 50214C

PTS File No; 35088
SampleID; 50214C·26
Depth, fl; *N/A*



Particle Size, mm

Opening Inches	Millimeters	Phi of Screen	U.S. No.	Sample weight, grams	Increment Weight, percent	Cumulative Weight, percent
02500	6351	·267	1/4	0.00	000	000
0.1873	4.757	-225	4	0.00	0.00	0.00
01324	3364	-175	6	000	000	000
0.0787	2000	-1.00	10	0.00	0.00	0.00
00468	1189	·025	16	000	000	000
00331	0841	025	20	000	000	000
00278	0707	050	25	000	000	000
00234	0595	075	30	000	000	000
0.0197	0500	100	35	000	000	000
0.0166	*OA20*	1.25	40	0.00	0.00	0.00
00139	0354	1.50	45	000	ODO'	0.00
00117	0297	175	50	000	000	000
00098	0250	200	60	002	002	002
00083	0210	225	70	046	046	048
00070	0177	250	80	192	192	240
00059	0149	275	100	3.37	337	577
0.0049	0125	300	120	381	381	958
00041	0105	325	140	398	398	1356
00035	0088	350	170	420	420	1776
0.0029	0.074	3.75	200	4.35	4.35	22.11
00025	0063	400	230	435	435	2646
0.0021	0053	425	270	434	434	3080
0.00174	00442	450	325	434	434	3514
000146	00372	475	400	428	428	3942
0.00123	00313	500	450	415	415	4357
0..000986	00250	532	500	520	520	4877
0000790	00201	564	635	519	519	5396
0.000615	00156	600		556	556	5952
0000435	0.0110	650		7.09	709	6661
0000308	000781	700		633	633	72 94
1---°.000197	0,00500	7.65		7.03	7.03	79.97
0000077	000195	9.00		1070	1070	9067
0000038	0000977	10 00		551	551	9618
0000019	0000488	11 00		345	345	99.63
0.000015	0.000375	11.38		0.37	0.37	100.00
TOTALS				100.00	100.00	100.00

Cumulative Weight Percent greater than

Weight percent	Phi Value	Particle Size Inches	Millimeters
5	269	00061	0155
10	303	0.0048	0123
16	340	00037	0095
25	392	00026	0066
40	478	00014	0036
50	540	00009	0024
60	603	0.0006	0015
75	719	00003	0007
84	816	00001	0004
90	892	00001	0002
95	9.79	0.0000	0.001

Measure I	Trask	Inman	Folk-Ward
Median, phi	*5AO*	*5AO*	*5AO*
Median, in	0.0009	00009	0.0009
Median mm	0024	0024	0024
Mean, phi	477	5.78	5.65
Mean, in	0.0014	0,0007	0.0008
Mean, mm	0.037	0.018	0020
Sorting	3109	2380	2265
Skewness	0897	0159	0199
Kurtosis	0246	*OA90*	0.888

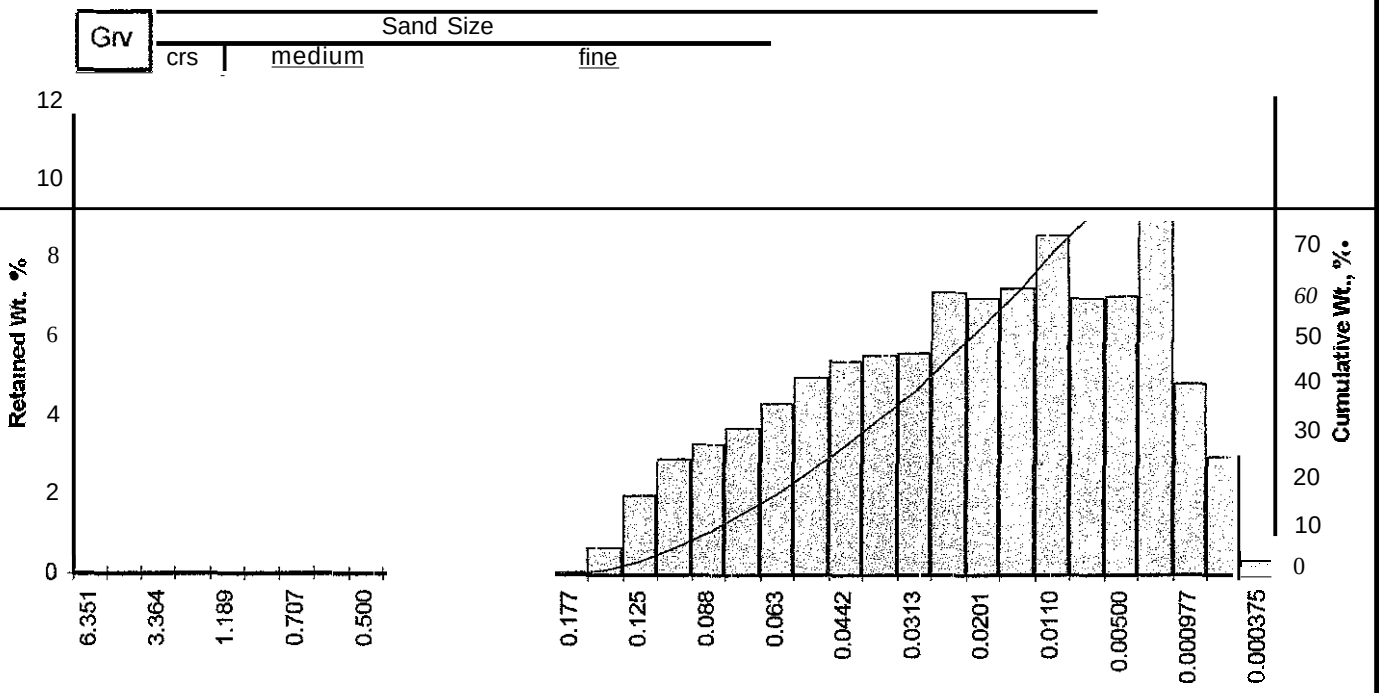
Grain Size Description (ASTM-USCS Scale): Silt (based on Mean from Trask)

Description	Retained on Sieve #	Weight Percent
Gravel	4	000
Coarse Sand	10	0.00
Medium Sand	40	000
Fine Sand	200	2211
Silt	>0005 mm	5786
Clay	<O.OO5mm	20.03
	Total	100

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Chemical & Environmental Laboratories, Inc	PTS File No:	35088
Project:	NIA	Sample ID:	50214C-27
Project No:	50214C	Depth, ft:	*NJA*



Particle Size, mm

Opening Inches	Opening Millimeters	Phi of Screen	US. No.	Sample Weight, grams	Increment Weight, percent	Cumulative Weight, percent
0.2500	6351	·2.67	1/4	000	000	000
0.1873	4.757	-2.25	4	0.00	0.00	0.00
01324	3.364	-1 75	6	000	000	000
0.0787	2.000	-1.00	10	0.00	0.00	0.00
00468	1189	-025	16	000	0.00	000
00331	0641	025	20	000	000	000
00278	0707	050	25	0.00	000	000
00234	0595	075	30	000	000	000
00197	0500	1 00	35	0.00	000	000
0.0166	0.420	1.25	40	0.00	0.00	0.00
00139	0354	1 50	45	000	000	000
00117	0297	175	50	000	000	000
00098	0250	200	60	000	000	000
00083	0210	225	70	000	000	000
0.0070	0177	250	80	004	004	004
00059	0149	275	100	0.66	066	070
00049	0125	300	120	198	198	268
00041	0105	325	140	288	288	556
00035	0088	350	170	324	324	8.80
0.0029	0.074	3.75	200	3.66	3.66	12.46
00025	0063	400	230	431	431	1677
0.0021	0.053	425	270	496	496	2173
000174	00442	450	325	539	539	2712
000146	00372	475	400	556	556	3268
0.00123	00313	500	450	558	5.58	3826
0000986	00250	532	500	7.12	712	4538
0000790	00201	564	635	7.00	700	5237
0000615	00156	6.00		722	722	5959
0.000435	00110	650		861	861	6820
0000308	000781	700		699	699	7519
0.000197	0.00500	7.65		7.04	7.04	82.23
0000077	0.00195	9.00		968	968	9191
0000038	0000977	10.00		482	482	9673
0000019	0000488	11 00		295	295	99.68
0.000015	0.000375	11.38		0.32	0.32	100.00
TOTALS				100.00	100.00	100.00

Cumulative Weight Percent greater than

Weight percent	Phi Value	Particle Size Inches	Particle Size Millimeters
5	3.20	00043	0109
10	358	00033	0084
16	396	00025	0064
25	440	00019	0047
40	508	00012	0030
50	553	00009	0022
60	602	00006	0015
75	699	00003	0008
84	789	00002	0004
90	873	00001	0002
95	9.64	0.0000	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	5.53	5.53	5.53
Median,in	00009	00009	0.0009
Median,mm	0022	0.022	0022
Mean, phi	5.18	592	579
Mean, in	00011	00006	00007
Mean mm	0028	0016	0018
Sorting	2449	1969	1960
Skewness	0893	0.199	0238
Kurtosis	0.243	0.636	1.021

Grain Size Description (ASTM-USCS Scale)

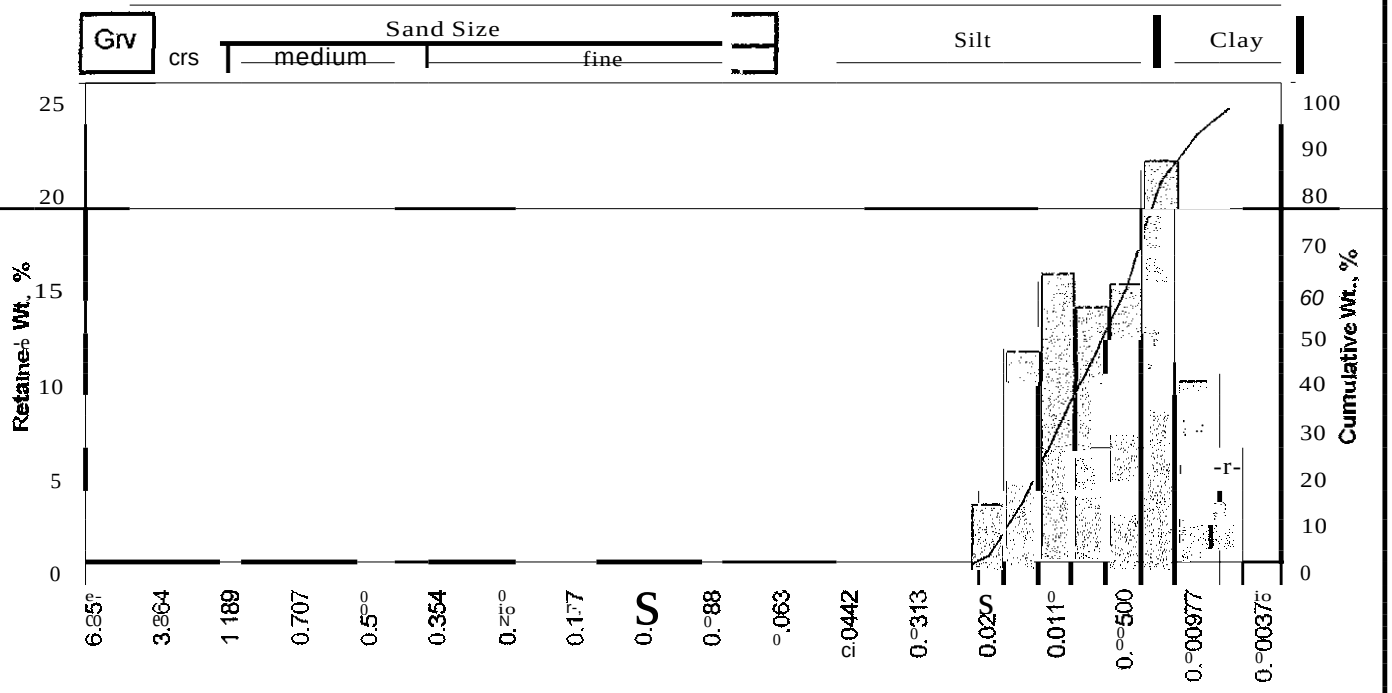
Silt (based on Mean from Trask)

Description	Retained on Sieve #	Weight Percent
Gravel	4	000
Coarse Sand	10	0.00
Medium Sand	40	000
Fine Sand	200	1246
Silt	>0 005 mm	69.77
Cia"	<0.005 mm	17.77
	Tolal	100

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Chemical & Environmental Laboratories, Inc	PTS File No:	35088
Project:	N/A	SampleID:	50214C-28
Project No:	50214C	Depth, ft:	N/A



Opening Inches	Opening Millimeters	Phi 01 Screen	US. No.	Sample Weight. grams	Increment Weight, percent	Cumulative Weight, percent
0.2500	6351	·267	114	000	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
01324	3364	-175	6	000	000	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
00468	1189	-025	16	a 00	0.00	000
00331	0841	025	20	a 00	000	000
00278	0707	050	25	000	000	000
00234	0595	075	30	000	000	000
00197	0500	100	35	000	000	000
0.0166	0.420	1.25	40	0.00	0.00	0.00
00139	0354	1 50	45	0 00	000	0 00
00117	0297	175	50	000	000	000
00098	0250	200	60	000	000	000
00083	0210	225	70	000	000	000
00070	0177	250	80	000	000	000
00059	0149	275	100	000	000	000
00049	0125	300	120	000	000	000
00041	0105	3 25	140	0.00	000	000
00035	0088	350	170	000	000	000
0.0029	0.074	3.75	200	0.00	0.00	0.00
0.0025	0063	400	230	000	000	000
0.0021	0.053	425	270	000	000	000
000174	00442	450	325	0.00	000	000
000146	00372	475	400	000	000	000
0.00123	00313	500	450	000	000	000
0000986	00250	532	500	005	005	005
0000790	00201	564	635	3.64	364	369
0000615	00158	800		11 90	11 90	1559
0.000435	00110	650		1600	1600	3158
0000308	000781	7.00		1420	1420	4578
0.000197	0.00500	7.65		15.40	15.40	61.18
0.000077	000195	900		2190	2190	8307
0000038	0000977	1000		1020	10.20	9327
0000019	0000488	11 00		6 08	608	99.35
0.000015	0.000375	11.38		0.65	0.65	100.00
TOTALS				100.00	100.00	100.00

Cumulative Weight Percent greater than

Weight percent	Phi Value	Particle Size Inches	Particle Size Millimeters
5	568	00008	0020
10	583	00007	0018
16	601	00006	0015
25	629	00005	0013
40	680	0.0004	0009
50	718	00003	0007
60	760	0.0002	0005
75	850	00001	0003
84	909	00001	0002
90	9.68	00000	0001
95	10.28	0.0000	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	7.18	7.18	7.18
Median, in	0.0003	0.0003	0.0003
Median, mm	0007	0007	0007
Mean, phi	701	7.55	7.43
Mean, in	0.0003	00002	0.0002
Mean, mm	0008	0005	0006
Sorting	2148	1539	1467
Skewness	0858	0244	0297
Kurtosis	0.305	0.496	0.855

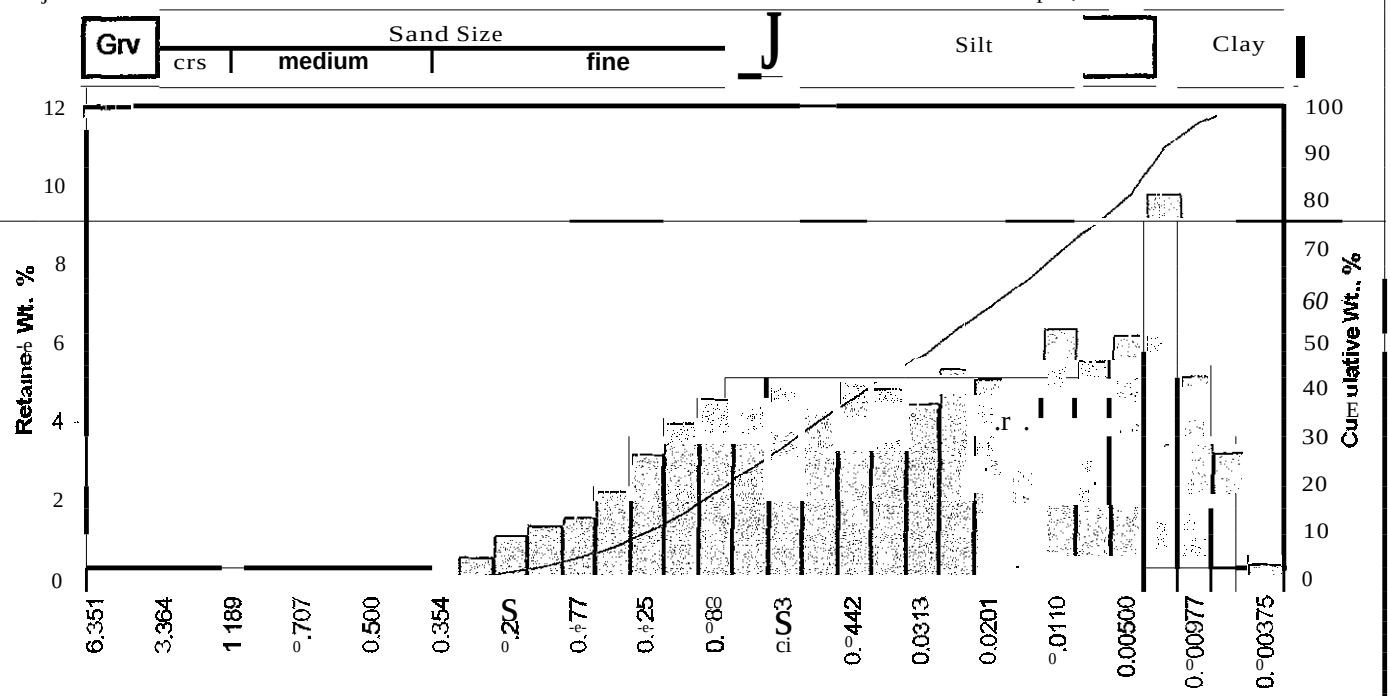
Grain Size Description (ASTM-USCS Scale): Silt (based on Mean from Trask)

Description	Retained on Sieve #	Weight Percent
Gravel	4	000
Coarse Sand	10	000
Medium Sand	40	000
Fine Sand	200	000
Sift	>0 005 mm	6118
Clay	<0.005 mm	38.82
	Total	100

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Chemical & Environmental Laboratories, Inc	**PTS** FileNo:	*35088*
Project:	*N/A*	SampleID:	50214C··29
Project No:	50214C	Depth, ft:	*N/A*



Opening Inches	Opening Millimeters	Phi of Screen	U.S. No.	Sample Weight, grams	Increment Weight, percent	Cumulative Weight, percent
02500	6351	·2.67	1/4	0.00	0.00	000
0.1873	4.757	-2.25	4	0.00	0.00	0.00
01324	3364	-175	6	000	000	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
00468	1189	-0.25	16	000	000	000
00331	0841	025	20	000	000	0.00
0.0278	0707	050	25	000	000	000
0.0234	0595	075	30	000	000	000
00197	0500	100	35	0.00	000	000
0.0166	0.420	1.25	40	0.00	0.00	0.00
00139	0354	150	45	o 06	0.06	006
0.0117	0297	175	50	059	059	065
00098	0250	200	60	111	1 11	176
00083	0210	225	70	134	134	310
00070	0177	250	80	153	153	4.63
00059	0149	275	100	222	2.22	685
00049	0.125	300	120	313	313	9.98
00041	0105	325	140	395	395	1392
00035	0088	350	170	454	454	1846
0.0029	0.074	3.75	200	4.91	4.91	23.37
00025	0063	400	230	506	506	2843
0.0021	0.053	425	270	511	5.11	33.54
000174	00442	450	325	506	506	3860
000146	00372	475	400	482	482	4342
0.00123	00313	500	450	446	446	4788
0000986	00250	532	500	532	532	5320
0000790	00201	564	635	509	509	5829
0000615	00156	600		523	523	6352
0000435	00110	650		634	634	6986
0000308	000781	700		555	555	7540
0.000197	0.00500	7.65		6.22	6.22	81.62
0000077	000195	900		980	980	91.42
0000038	0000977	10.00		511	511	9653
0000019	0000488	11 00		313	313	99.66
0.000015	0.000375	11.38		0.34	0.34	100.00
TOTALS				100.00	100.00	100.00

Cumulative Weight percent	Phi Value	Particle Size Inches	Particle Size Millimeters
5	254	00068	0172
10	300	00049	0125
16	336	00038	0097
25	383	00028	0070
40	457	00017	0042
50	513	00011	0029
60	576	00007	0018
75	696	00003	0008
84	797	00002	0004
90	880	0.0001	0002
95	9.70	0.0000	0.001

Measure	Trask	Inman	Folk.Ward
Median, phi	5.13	5.13	5.13
Median, in	0.0011	00011	0.0011
Median,mm	0029	0029	0029
Mean, phi	4.67	567	549
Mean, in	0.0015	00008	00009
Mean, mm	0039	0020	0022
Sorting	2962	2305	2237
Skewness	0.830	0235	0256
Kurtosis	0.254	0.553	0.936

Grain Size Description (ASTM-USCS Scale)	Silt (based on Mean from Trask)

Descrlpnon	Retained on Sieve #	Weight Percent
Gravel	4	000
Coarse Sand	10	0.00
Medium Sand	40	000
Fine Sand	200	2337
Silt	>Q,005mm	5825
Clay	<0.005 mm	18.38
	Total	100

PTS Laboratories

Chemical Environmental Laboratories Inc.
PTS File No: 35088

PHYSICAL PROPERTIES DATA

PROJECT NAME: N/A
PROJECT NO: 50214C

METHODOLOGY:			API RP40	API RP40			Walkley-Black	ASTM 05084	
								25.0 PSI CONFINING STRESS	
SAMPLE 10.	DEPTH, ft.	SAMPLE ORIENT. (1)	BULK-DENSITY (glee)	POROSITY, %Vb (2) TOTAL	POROSITY, %Vb (2) AIR FILLED	POROSITY, %Vb (2) WATER FILLED	TOTAL ORGANIC CARBON *(mg/kg)*	NATIVE STATE EFFECTIVE PERMEABILITY TO WATER (3,4) (millidarey)	NATIVE STATE EFFECTIVE HYDRAULIC CONDUCTIVITY (3,4) (cm/s)
50214C-2B	N/A	V	1.46	39.9	0.3	39.6	3450	0.349	3.36E-07

(1) Sample Orientation: H = honzontel: **V** = **vertical** **(2) Total Porosity = no pore fluids in place; all interconnected pore channels; Water Filled =** pen **channels not occupied by air** **(3) Native State = As** received **with pore fluids In place** **(4)** Permeability **to water and conductivity measured at** saturated **conditions Vb = Bulk Volume, co; ND = Not Detected**

BACKGROUND METAL ANALYSES

Calscience
Environmental
Laboratories, Inc.

January 05, 2005

Greg Bishop
EDF Associates, LLC
151 Kalmus Drive, Suite H-11
Costa Mesa, CA 92626-7942

Subject: Calscience Work Order No.: 04-12-1721
Client Reference: Los Alamitos High School/72.104

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 12/28/2004 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc
Marycarol Valenzuela
Project Manager

Ca/science
Environmental/
Laboratories, Inc.

Case Narrative for 04-12-1721

Sample Condition on Receipt

Five soil samples were received as part of this Work Order on December 28, 2004. All samples were transferred to the laboratory under strict chain-of-custody procedures. The temperature (3.2°C) of the samples was measured upon arrival in the laboratory and was within acceptable limits. The samples were logged into the Laboratory Information Management System (L1MS), given laboratory identification numbers, and stored in refrigeration units pending analysis.

Data Summary

The samples included in this report were analyzed in accordance with the attached chain-of custody Data is presented on a wet weight basis.

Holding Times

All holding time requirements were met

Calibration

Frequency and control criteria for initial and continuing calibration verifications were met

Blanks

The method blank data showed non-detectable levels, with the exception of trace levels of select constituents Please see Table A below for details

Table A: Trace levels **present in associated method blanks**	
EPA Method 6010B	
Batch #	Analytes(s)
041229L07	Molybdenum and Thallium

Matrix Spikes

Matrix Spikes (MS) and Matrix Spike Duplicates (MSD) were performed at required frequencies. All recoveries were within acceptable limits.

Note that the corresponding Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) recoveries were within control limits, indicating a matrix interference effect Therefore, the data is released without further action or qualification.

Laboratory Control Samples

The Laboratory Control Sample (LCS) analyses were performed at the required frequencies. All recoveries were within acceptable limits.

If there are any questions regarding this report, please contact your Calscience Project Manager at (714) 895-5494.

Calscience Environmental

Analytical Report

EDF Associates, LLC		Date Received:	*12/28/04*
151 Kalmus Drive, Suite H-11		Work Order No:	04-12-1721
Costa Mesa, CA 92626-7942		Preparation:	EPA 3050B *1* EPA 7471A Total
		Method:	~~EPA 6010B~~ *i* EPA ~~7471A~~
		Units:	*mglkg*
Project: Los Alamitos High Schooli721 04			Page 1 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
	04-12-1721-1	12/22/04	Solid	12/29/04	12/30/04	041229L07

Comment(s): -Results were evaluated to the MOL, concentrations >= to the MOL but < RL, if found are qualified with a "J" flag

-Mercury was analyzed on *12/30/2004* 11:54:22 AM with batch 041229L08

Parameter	Result	RL	MOL	DF	Qual	Parameter	Result	RL	MOL	DF	Qual
Antimony	NO	0750	0191	1		Mercury	00571	00835	00130	1	J
Arsenic	286	075	0130	1		Molybdenum	0743	0250	00206	1	
Barium	102	0500	0164	1		Nickel	164	0.2	00346	1	
Beryllium	0365	0250	00036	1		Selenium	NO	0750	0175	1	
Cadmium	00864	0500	00098	1		Silver	00701	0250	00209	1	
Chromium (Tctal)	176	02	00291	1		Thallium	NO	0750	00987	1	
Cobalt	979	025	00085	1		Vanadium	36.5	02	00093	1	
Copper	183	05	00469	1		Zinc	48.6	10	0177	1	
Lead				1							

	12/22/04	Solid	12/29/04	12/30/04	041229L07

Comment(s): -Results were evaluated to the MOL. concentrations >= to the MDL but < RL, if found are qualifled with a "J" 11ag

-Mercurywas analyzed on *12/30/2004* 11:57:20 AM with batch 041229L08

Parameter	Result	RL	MOL	OF	Qual	Parameter	Result	RL	MOL	DF	Qual
Antimony	NO	0750	0191	1		Mercury	00589	00835	00130	1	J
Arsenic	589	075	0130	1		Molybdenum	156	025	00206	1	
Barium	155	0500	0164	1		Nickel	205	0.2	00346	1	
Beryllium	0.436	0250	00036	1		Selenium	NO	0750	0175	1	
Cadmium	NO	0500	00098	1		Silver	00470	0250	00209	1	
Chromium (Total)	23.4	0.2	00291	1		Thallium	NO	0750	00987	1	
Cobalt	138	02	00085	1		Vanadium	461	02	00093	1	
Copper	296	05	0.0469	1		Zinc	607	10	0177	1	
Lead		0.50	0.0527	1							

BG-3				12/30/04	041229L07

Comment(s): -Results were evaluated to the MDL concentrations >= to the MOL but < RL if found, are qualified with a "J" flag

-Mercury was analyzed on *12/30/2004* 12:00:21 PM with batch 041229L08

Parameter	Result	RL	MOL	OF	Qual	Parameter	Result	RL	MOL	DF	Qual
Antimony	NO	0750	0191	1		Mercury	00309	00835	00130	1	J
Arsenic	215	075	0130	1		Molybdenum	0114	0250	00206	1	J
Barium	103	0500	0164	1		Nickel	153	02	00346	1	
Beryllium	0482	0250	0.0036	1		Selenium	NO	0750	0.175	1	
Cadmium	00949	0500	00098	1		Silver	00426	0250	0.0209	1	
Chromium (Total)	189	02	00291	1		Thallium	NO	0750	00987	1	
Cobalt	106	02	0.0085	1		Vanadium	41 1	0.2	00093	1	
Copper	187	05	00469	1		Zinc	563	1 0	0.177	1	
Lead	830	050	00527	1							

1.1 RL - Reporting limit DF- Dilution Factor oua!- Qualifiers

elscience Environmental

Analytical Report

EDF Associates, LLC		Date Received:	*12/28/04*
151 Kalmus Drive, Suite H-11		Work Order No:	04-12-1721
Costa Mesa, CA 92626-7942		Preparation:	EPA 3050B *1* EPA 7471A Total
		Met/lud.	~~EPA~~ 60108 / EPA ~~7471A~~
		Units:	*mglkg*
Project: Los Alamitos High School/72 104			Page 2 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
BG-4	04-12-1721-4	12/22/04	Solid	12/29/04	12/30/04	041229L07

Comment(s): -Results were evaluated to the MOL concentrations >= to the MOL but< RL if found, are qualified with a "J" flag

-Mercury was analyzed on *12/30/2004* 12:03:22 PM with batch 041229L08

Parameter	Result	RL	MOL	DF	Qual	Parameter	Result	RL	MOL	DF	Qual
Antimony	NO	0750	0191	1		Mercury	00212	00835	00130	1	J
Arsenic	185	075	0130	1		Molybdenum	0.805	0250	00206	1	
Barium	771	05	0164	1		Nickel	11.7	02	00346	1	
Beryllium	0.382	0250	00036	1		Selenium	NO	0750	0175	1	
Cadmium	NO	0500	00098	1		Silver	NO	0250	00209	1	
Chromium (Total)	150	02	00291	1		Thallium	NO	0750	00987	1	
Cobalt	918	025	00085	1		Vanadium	333	02	00093	1	
Copper	11.6	05	00469	1		Zinc	48.3	10	0177	1	
Lead		0.50	0.0527	1							

BG-2 DUP	Solid	12/29/04	12/30/04	041229L07	

Comment(s): -Results were evaluated to the MDL concentrations >= to the MOL but< RL. if found, are qualified with a "J" flag

-Mercury was analyzed on 12/30/2004 12:06:23 PM with batch 041229L08

Parameter	Result	RL	MOL	OF	Qual	Parameter	Result	RL	MOL	OF	Qual
Antimony	NO	0750	0191	1		Mercury	00539	00835	00130	1	J
Arsenic	634	075	0130	1		Molybdenum	116	025	00206	1	
Barium	156	0500	0164	1		Nickel	203	02	00346	1	
Beryllium	0515	0250	00036	1		Selenium	NO	0750	0175	1	
Cadmium	00390	0500	00098	1		Silver	0.0264	0250	00209	1	J
Chromium (Total)	242	02	00291	1		Thallium	NO	0750	00987	1	
Cobalt	137	02	00085	1		Vanadium	487	02	00093	1	
Copper	311	05	00469	1		Zinc	622	10	0177	1	
Lead		0.50	0.0527	1							

		7-2,945	N/A	Solid	12/29/04	12/30/04	041229L08

Parameter	Result	RL	MOL	DF	Qual
Mercury	NO	00835	00130	1	

RL - Reporting Limit OF - Dilution Factor, Qual- Qualifiers

Calscience Environmental

Analytical Report

EDF Associates, LLC
151 Kalmus Drive, Suite H-11
Costa Mesa, CA 92626-7942

Date Received: 12/28/04
Work Order No: 04-12-1721
Preparation: EPA 30508 / EPA 7471A Total
iVlet/ICd. ~~EPA~~ 60108 / ~~EPA~~ ~~7471A~~
Units: *mg/kg*

Project: Los Alamitos High SchooJ/721 04

Client Sample Number	Lab Sample Number	Oate Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	097-01-002-6,045	N/A	Solid	12/29/04	12/30/04	041229L07

Comment(s): -Results were evaluated to the MOL, concentrations >= to the MDL but< RL, iffound are qualified with a "J flag

Parameter	Result	RL	MOL	OF	Qual	Parameter	Result	RL	MOL	DF	Qual
Antimony	NO	0750	0191	1		Molybdenum	00288	0250	00206	1	J
Arsenic	NO	0750	0130	1		Nickel	NO	0250	00346	1	
Barium	NO	0500	0164	1		Selenium	NO	0750	0175	1	
Beryllium	NO	0250	00036	1		Silver	NO	0250	00209	1	
Cadmium	NO	0500	00098	1		Thallium	0169	0750	00987	1	
Chromium (Total)	NO	0250	00291	1		Vanadium	NO	0250	00093	1	
Cobalt	NO	0250	00085	1		Zinc	NO	1 00	0177	1	
Copper	NO	0500	00469	1		Lead	NO	0500	00527	1	

RL - Reporting Limit OF - Dilution Factor, Qual- Qualifiers

Ca/science Environmental/

Quality Control- Spike/Spike Duplicate

EDF Associates, LLC
151 Kalmus Drive, Suite H-11
Costa Mesa CA 92626-7942

Date Received: 12/28/04
Work Order No: 04-12-1721
Preparation: EPA3050B
Method: EPA 6010B

Project Los Alamitos High School/721 04

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
04-12-1785-4	Solid	ICP 3300	12/29/04	12/30/04	041229S07

Parameter	MS %REC	MSD %REC	%RECCL	RPO	RPQCL	Qualifiers
Antimony	66	62	50-115	6	0-20	
Arsenic	97	96	75-125	1	0-20	
Barium	100	97	75-125	1	0-20	
Beryllium	99	98	75-125	0	0-20	
Cadmium	99	98	75-125	1	0-20	
Chromium (Total)	96	95	75-125	1	0-20	
Cobalt	100	98	75-125	1	0-20	
Copper	103	101	75-125	1	0-20	
Lead	95	94	75-125	2	0-20	
Molybdenum	93	92	75-125	1	0-20	
Nickel	95	94	75-125	1	0-20	
Selenium	90	89	75-125	1	0-20	
Silver	106	105	75-125	1	0-20	
Thallium	91	89	75-125	3	0-20	
Vanadium	102	101	75-125	1	0-20	
Zinc	98	96	75-125	1	0-20	

RPD - Relative Percent Difference CL - Control Limit

Quality control- **Spike/Spike Duplicate**

EDF Associates, LLC	Date Received:	12/28/04
151 Kalmus Drive, Suite H-11	Work Order No:	04-12-1721
Costa Mesa, CA 92626-7942	Preparation:	EPA 7471A Total
	Method:	EPA 7471A

Proiect Los Alamitos Hiqh School/72.1 04

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
	Solid	Mercury	12/29/04	12/30/04	041229S08

Parameter	MS %REC	MSD %REC	%RECCL		RPD	Qualifiers
Mercury	116	116	76-136	O	0-16	

RPD - Relative Percent Difference CL - Control Limit

Calscience Environmental Laboratories, Inc

Quality Control • Laboratory Control Sample

EDF Associates, LLC		Date Received:	N/A
151 Kalmus Drive, Suite H-11		Work Order No:	04-12-1721
Costa Mesa, CA 92626-7942		Preparation:	EPA3050B
		Method:	EPA 60 rOB

Project: Los Alamitos High School/72.1 04

Quality Control Sample 10	Matrix	Instrument	Date Analyzed	Lab File 10	LCS Batch Number
045	Solid	ICP 3300	12/30/04	041229-I-07	041229L07

Parameter	Cone Added	Cone Recovered	LCS %Rec	%RecCL	Qualifiers
Antimony	500	477	95	80-120	
Arsenic	500	489	98	80-120	
Barium	500	51 5	103	80-120	
Beryllium	500	500	100	80-120	
Cadmium	500	523	105	80-120	
Chromium (Total)	50.0	500	100	80-120	
Cobalt	500	51.7	103	80-120	
Copper	500	487	97	80-120	
Lead	500	514	103	80-120	
Molybdenum	500	501	100	80-120	
Nickel	500	503	101	80-120	
Selenium	500	466	93	80-120	
Silver	250	253	101	80-120	
Thallium	500	489	98	80-120	
Vanadium	500	515	103	80·120	
Zinc	500	507	101	80-120	

1

RPD - RelativePercent Difference CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

EDF Associates, LLC		Date Received:	N/A
151 Kalmus Drive, Suite H-11		Work Order No:	04-12-1721
Costa Mesa, CA 92626-7942		Preparation:	EPA 7471A Total
		Method:	EPA /4/IA

Project: Los Alamitos High School/72.1 04

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File [0	Les Batch Number
099-04-007-2,945	Solid	Mercury	12/30/04	041229-L08	041229L08

Parameter	Cone Added	Cone Recovered	Les %Rec	%Rec CL	Qualifiers
Mercury	0835	0924	111	82-124	

RPD - Relative Percent Difference CL - Control Limit

7440 Lincoln Way, Garden Grove, CA 92841-1427. TEL:(714) 895-5494 • FAX: (714) 894-7501

Calscience
Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 04-12-1721

Qualifier	Definition
•	See applicable analysis comment
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit Reported value is estimated.
N	Nontarget Analyte
ND	Parameter not detected at the indicated reporting limit
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater
U	Undetected at the laboratory method detection limit
X	% Recovery and/or RPD out-of-range
Z	Analyte presence was not confirmed by second column or GC/MS analysis

CHAIN OF CUSTODY RECORD

DFA
Strategic Environmental Consulting Services
151 Kalmus Drive, Suite E-140, Costa Mesa, California 92626
Telephone (714) 444-1270
Fax (714) 444-1211

Site Address: LOS ALAMITOS HIGH SCHOOL
4100 KATELLA AVENUE
LOS ALAMITOS, CALIFORNIA

Sample By: GREG BISHOP - Date: 12/22/04
Project Manager: GREG BISHOP
Project Name: LOS ALAMITOS HIGH SCHOOL
ProjectNumber: 72.104

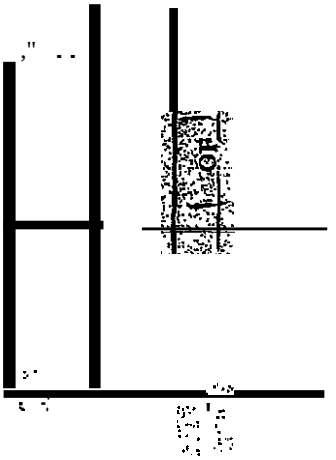
TAT - Standard
EDF 122204-11

IPLEID	DESCRIPTION	DATE	TIME						SPECIAL INSTRUCTION
SS-S	SG-8 Grab	12/22/04	10:50A	GW					
SG-8 DUP	SG-8 Groundwater Duplicate	12/22/04	11:45A	GW	4	X	X		
SG-4 TEMP					4	X	X	X	
TB	Trip Blank		2:03P	W			X		
BG-1	Background		2:49P	SOIL				X	
BG-2			2:40P					X	
BG-3			2:30P					X	
BG-4			2:37P					X	
BG-2 DUP	Background Duplicate		2:40P					X	

(EDFA)

Relinquished By:	Date	Time	Received By:
	12/22/04	3:00P	Dave Burkhardt
CEL	12/28/04	11:45	Michelle Lee

1721



Calscience Environmental Laboratories, Inc.

WORK ORDER #: 04-12-1721

CooJer _ of

SAMPLE RECEIPT FORM

DATE: 12

TEMPERATURE _ SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- Chilled, cooler with temperature blank provided
- Chilled, cooler without temperatilre blank
- Chilled and placed in cooler with wet ice
- ✓ Ambient and placed in cooler with wet ice
- Ambient temperature

3.2 °C Temperature blank

LABORATORY (Other than Calscience Courier):

- °C Temperature blank
- °C IR thermometer
- Ambient temperature

Initial: MS

CUSTODY SEAL INTACT:

Sample(s): Cooler: No (Not Intact): Not Applicable (N/A): ✓

Initial: BO

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and goad condition	✓		
Correct containers for analyses requested.	✓		
Proper preservation noted on sample label(s).			✓
VOA vial(s) free of headspace			✓
Tedlar bag(s) free of condensation.			✓

Initial: BO

COMMENTS:

ATTACHMENT 4

NON-HAZARDOUS WASTE MANIFESTS

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

1. Generator's US EPA 10 No.

N O N

2. Page 1 of

6. US EPA 10 Number

A. State Transporter's 10

7. Transporter 2 Company Name: Environmental Management Tech. | 8. US EPA ID Number: C A R 0 0 0

B. Transporter 1 Phone

C. State Transporter's 10

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: Enviro——tal Management Tech
9662 Rudicill Ave
Riverside, Ca 92509

10. US EPA 10 Number: N o n H a z

E. State Facility's 10

F. Facility's Phone: (800) 579-6824

11. WASTE PTI

12. Containers No. | Type

a	Non Hazardous Waste Solid	0005	
b			
c			
d			

G. Additional Descriptions for Materials listed Above

a) Soil Cuttings
#022805-1

H. Handling coces for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Please Wear Proper PPE When Handling Material
In Case of Emergency Contact Environmental Management Technologies
24Hr (800) 579-6824 Please Ask for Associate

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations

ON BEHALF OF ASDR

Printed/Typed Name: CESAR BARRERA | Signature | Date: Month 03 Day 01 Year 05

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: CESAR BARRERA | Date: Month 03 Day 01 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: TIM MUNRO | Signature | Date: Month 03 Day 02 Year 05

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE

CF14 © 2002 LABELMASTER® (800)621-5808 www.labelmaster.com

PRINTED ON RECYCLED PAPER USING SOYBEAN INK PRINTED WITH SOY INK

ATTACHMENT 5

ANALYTICAL DATA VALIDATION REPORT

LABORATORY DATA CONSULTANTS, INC
7750 El Camino Real, Suite 2L Carlsbad, CA 92009 Phone: 760/634-0437 Fax: *760/634-0439*

EDF Associates
151 Kalmus Drive, Suite H-11
Costa Mesa, CA 92626
ATTN: Ms. Fiona Hunter

February 17, 2005

SUBJECT: Los Alamitos High School, Data Validation

Dear Ms. Hunter,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on January 28, 2005 Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project # 13086:

SDG#	Fraction
04-12-1721, 4412006, E412052, W412031	Volatiles, Metals, TPH as Extractables

The data validation was performed under EPA Level III guidelines The analyses were validated using the following documents, as applicable to each method:

- USEPA, Contract Laboratory Program National Functional Guidelines for Organic Data Review, October 1999
- USEPA, Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, February 1994
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update liB, January 1995; update III, December 1996; update IliA, April 1998

Please feel free to contact us if you have any questions.

Sincerely,

Steven A. Ziliak
Senior Chemist

Attachment 1

LDC #13086 (EDF Associates, LLC-Costa Mesa / Los Alamitos High School)

LDC	SDG#	DATE REC'D	DATE DUE	VOA (8260B)		**Metals** (SW846)		TPH-E (8015)																									
Matrix:	**AirlWaterfSoil**			W	A	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	04-12-1721	01128105	*02118/05*	-	-	0	5	-	-																								
B	4412006	*01128/05*	*02/18105*	0	8	-	-	-	-																								
C	E412052	*01/28105*	*02118/05*	4	0	-	-	-	-																								
0	W412031	*01128/05*	*02/18/05*	-		-	-	3	0																								
Total	B			4	8	0	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20

Shaded cells Indicate Level III **validation** (all **other cells are Level II validation).** Samole **counts do not include MS MSD or DUP's.**

Los Alamitos High School
Data Validation Reports
LDC# 13086

Volatiles

LDC Report# 13086B1

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Los Alamitos High School

Collection Date: December 22, 2004

LDC Report Date: February 8, 2005

Matrix: Vapor

Parameters: Volatiles

Validation Level: EPA Level III

Laboratory: H & P Mobile Geochemistry

Sample Delivery Group (SDG): 4412006

Sample Identification

SG-8-5, PV 30cc
SG-8-5, PV 90cc
SG-8-5, PV 21Occ
SG-4-5, PV 90cc
SG-5-5, PV 90cc
SG-5-5, Duplicate
SG-6-5, PV 90cc
SG-7-5, PV 90cc

Introduction

This data review covers 8 vapor samples listed on the cover sheet including dilutions and reanalysis as applicable The analyses were per EPA SW 846 Method 8260B for Volatiles

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current gUidelines for the method stated above

A table summarizing all data qualification is provided at the end of this report Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V

Field duplicates are summarized in Section XVI

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit

J Indicates an estimated value

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required

I. Technical Holding Times

All technical holding time requirements were met

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria

II. GCjMS Instrument Performance Check

Instrument performance was checked at 12 hour intervals

All ion abundance requirements were met

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSO) were less than or equal to 150% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs)

In the case where %RSO was greater than 15.0%, the laboratory used a calibration curve to evaluate the compound All coefficients of determination (r^2) were greater than or equal to 0.990

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria

Average relative response factors (RRF) for all volatile target compounds and system performance check compounds (SPCCs) were within method and validation criteria

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies

Percent differences (%0) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20 0% for calibration check compounds (CCCs)

For the purposes of technical evaluation, all compounds were evaluated against the 250% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%0	Associated Samples	Flag	A or P
12/22/04	**Vinyl chloride** **Chloroethane** **Toluene** **Tetrachloroethene** **1,1,1,2-Tetrachloroethane** t.t.zz-Tetrechloroethane	528 61 8 320 488 41 1 322	**All samples in SDG** 4412006	J (all detects) **UJ (all non-detects)**	A

The percent difference (%D) of the second source calibration standard were less than or equal to 250% for all compounds with the following exceptions:

Date	Compound	%0	Associated Samples	Flag	A or P
12/6/04	**1,1-Difluoroethane**	876	**All samples in SDG** 4412006	**J (all detects)** **UJ (all non-detects)**	A

All of the continuing calibration RRF values were within method and validation criteria with the following exceptions:

Date	Compound	**RRF** (Limits)	Associated Samples	Flag	A or P
12/6/04 (ICV)	**1,1-Difluoroethane**	0025 (≥0 05)	**All samples in SDG** 4412006	J (all detects) **R (all non-detects)**	A

V. Blanks

Method blanks were reviewed for each matrix as applicable No volatile contaminants were found in the method blanks.

No field blanks were identified in this SDG

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method All surrogate recoveries (%R) were within QC limits

VII. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
All samples in SDG 4412006	All Tel compounds	No LCS analysis associated with these samples	LCS analysis required	None	P

IX. Regional Quality Assurance and Quality Control

Not applicable

X. Internal Standards

All internal standard data were not provided and therefore not reviewed

XI. Target Compound Identifications

Raw data were not reviewed for this SDG

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG

XIV" System Performance

Raw data were not reviewed for this SDG

XV. Overall Assessment of Data

Data flags have been summarized at the end of the report

XVI. Field Duplicates

Samples 8G-5-5, PV 90cc and SG-5-5, Duplicate were identified as field duplicates. No volatiles were detected in any of the samples

Los Alamitos High School
Volatiles - Data Qualification summary- SDG 4412006

SOG	Sample	Compound	Flag	Aor P	Reason
4412006	SG-8··5, PV 30cc SG-8-5, PV SOCC SG-8-5, PV 21Dcc SG-4-5, PV SOCC SG-5-5, PV SDce SG·5-5, Duplicate SG··6-5 PV SDce SG-7-S, PV soee	Vinyl chloride Chloroethane Toluene Tetrachloroethene t.r.t.z-retrechlcroethane 1,1 22-Tetrachloroethane	J (all detects) UJ (all non-detects)	A	Continuing calibration (%0)
4412006	SG··8-5, PV 30cc SG-8-5, PV SDce SG-8-5, PV 21Dcc SG-4-5, PV SOCE SG-5-5, PV SDce SG-5-5, Duplicate SG-6-5 PV SOCE SG-7-5, PV SOCE	1,1-Difluoroethane	J (all detects) UJ (all non-detects)	A	Continuing calibration (ICV%D)
4412006	SG-8-5 PV 30cc SG-8-5, PV SOCC SG-8-S PV 21Dec SG-4-5, PV 90ee SG-S-S, PV 90ce SG-S-S, Duplicate SG-6-5, PV 90ee SG-7-S PV 90ee	1,1-Dffluoroethane	J (all detects) R (all non-detects)	A	Continuing calibration (ICV RRF)
4412006	SG-8-S, PV 30ee SG-8-S, PV 90cc SG-8-S, PV 21Dec SG-4-S PV 90ce SG-5-5, PV 90ee SG-S-5 Duplicate SG-6-5, PV 90ee SG-7-5, PV 90ec	All Tel compounds	None	P	laboratory control samples

Los Alamitos High School
Volatiles - Laboratory Blank Data Qualification Summary - SDG 4412006

No Sample Data Qualified in this SDG

Los Alamitos High School
Volatiles - Field Blank Data Qualification Summary - SDG 4412006

No Sample Data Qualified in this SDG

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF122204-L4	
151 Klamus Drive, Suite E·140	Project Number: 72 104;Los Alamitos HS	Reported:
Costa Mesa CA, 92626	Project Manager: Mr Greg Bishop	23-Dec-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab 4

IAn'lYte	Result	Reporting limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-8-5, PV 30ee (4412006-01) Vapor	Sampled: 22-Dec-04	Received: 22-Dec-04							
Dichlorcdifluoromethane	ND	1	ug/l	005	4L42201	22-D'e-04	22·Dec-04	EPA 8260B	
Vinylchloride	ND UJ	1							
Chloroethane	ND UJ	1							
ieh1arof!uoromethane	ND	1							
-Dichloroethene	ND	1							
Methylene chloride	ND	1							
Freon 113	ND	1							
trans-1,2-Dichloroethene	ND	1							
Ll-Dichloroethane	ND	1							
cis-I ,2-Dichloroetbene	ND	1							
Chloroform	ND	1							
1,1,1-Trichloroethane	ND	1							
Carbon tetrachloride	ND	1							
1.z-Dtcnforccthane	ND	1							
Benzene	ND	1							
Trichlorcethene	ND	1							
Toluene	ND UJ	1							
1,1,2-Trichloroethane	ND	1							
Teuachloroethene	ND UJ	1							
Ethylbenzene	ND	1							
1,I,1,2-Tetrachloroethane	ND UJ	1							
m.p-Xylene	ND	2							
a-Xylene	ND	1							
J,1,2,2-Tetrachlcroethane	ND UJ	1							
Surrogate Dibt omofluoromethane		996%		*75-125*					
Surrogate Toluene-db		*101 %*		*75-125*					
Sunogate e-Br omcfluoroberaene		828%		75-125					

A
2/7/05

MOBILE GEOCHEMISTRY

H&P

EDF Associ, es
151 Klamus Drive, Suite £-140
Costa Mesa CA, 92626

Project: EOF I22204-L4
Project Number: 72 104; Los Alamitos HS
Project Manager: Mr Greg Bishop

Reported:
23-Dec-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab 4

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-S-5, PV 90<c (4412006-02) Vapot'	Sampled: 22-Dec-04	Received: 22-Dec-04							
Dichlorodiflucromethane	ND	1	ugll	005	4LA2201	22-Deo-04	22,Deo-04	EPA 82608	
Vinyl chloride	ND UJ	1							
Chloroethane	ND UJ	1							
-richlorofluoromethane	ND	1							
1-Dichloroethene	ND	1							
ethylene chloride	ND	1							
Freon 113	ND	1							
uans-Lz-Dlchlorcethene	ND	1							
1,1-Dichloroethane	ND	1							
cis-1,2-Dichloroethenc	ND	1							
Chloroform	ND	1							
1,1,l-Frichloroethane	ND	1							
Carbon tetrachloride	ND	1							
1.2-Dichloroethane	ND	1							
Benzene	ND	1							
Trichlcrcethene	ND	1							
Toluene	ND Itl:!	1							
1,1,2-lrichloroethane	ND	1							
Tetrachlcroethene	ND UJ	1							
Ethylbenzene	ND	I							
I,,, l.Z-Tetrachloroethane	ND UJ	1							
ru.p-Xylene	ND	2							
o-Xylene	ND	1							
],1 ,2.2- Tetrachloroethane	ND UJ	1							
Surrogate Dibromofluoromethone		988%		75-125					
Surragate Totuene-ds		*101 %*		*75-125*					
Surrogate 4-Bromofluorobenzene		872%		75,125					

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21105

MOBILE GEOCHEMISTRY

H&P

J

EDF Associ-es	Project: EDF I22204-L4	
151 Klamus Drive, Suite 8-140	Project Number: 72 104; Los Alamitos HS	Reported:
Costa Mesa CA, 92626	Project Manager: Mr Greg Bishop	23.Dec_.O_4

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab 4

[AnalYte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-8-5, PV 210ee (4412006·03) Vapor	**Sampled: 22-Dec-04**	**Received:** 22·Dec·-04							
Dichlorodifluorumethane	ND	1	ugll	O0S	4L42201	22-Dec-04	22-Dcc-04	EPA 8260B	
Vinyl chloride	ND UJ	1							
Chloroethane	ND UJ	1							
Trichlorofluoromethane	ND	1							
1,1-Dichloroethene	ND	1							
Methylene chloride	ND	1							
Freon 113	ND	1							
trans-1,2-Dichloroethene	ND	1							
1,1-Dichloroethane	ND	1							
cis-1,2-Dichloroethene	ND	1							
Chloroform	ND	1							
1,1,1-Trichloroethane	ND	1							
Carbon tetrachloride	ND	1							
1,2-Dichloroethane	ND	1							
Benzene	ND	1							
Trichloroethene	ND	1							
Toluene	ND UJ	1							
1,1,2-Trichloroethane	ND	1							
Tetrachloroethene	ND UJ	1							
Ethylbenzene	ND	1							
1,1,1,2-Tetrachloroethane	ND UJ	1							
m,p-Xylene	ND	2							
o-Xylene	ND	1							
1,1,2,2-Tetrachloroethane	ND UJ	1							
Surrogate: Dibromofluoromethane		*104 %*		*75-125*					
Surrogate: Toluene-d8		*105 %*		*75-125*					
Surrogate: 4-Bromofluorobenzene		*90.0%*		75-125					

A
2/7/05

MOBILE GEOCHEMISTRY

H&P

EDF Associates
351 Klarnus Drive, Suite E-140
Costa Mesa CA 92626

Project: EOF122204-L4
Project Number: 72 104; Los Alamitos HS
Project Manager: Mr Greg Bishop

Reported:
23-Dec-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab 4

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-4-5, PV 90cc (4412006-04) Vapor	Sampled: 22-Dec-04	Received: 22-Dec-04							
Dichlorodifluorcmethane	ND	1	ugIJ	005	4L42201	22-Dec-04	22-Dec-04	EPA 8260B	
Vinyl chloride	ND UJ	1							
Chloroethane	ND UJ	1							
Trichlorofluoromethane	ND	1							
1,1-Dichloroethene	ND	1							
Methylene chloride	ND	1							
Freon 113	ND	1							
trans-Lz-Dichioroethene	ND	1							
1,1-Dichloroethane	ND	1							
cis-I,2-Dichloroethene	ND	1							
Chloroform	ND	1							
1,1,1-Trichloroethane	ND	1							
Carbon tetrachloride	ND	1							
Lz-Dlchloroethane	ND	1							
Benzene	NO	1							
Trichloroethene	ND	1							
Toluene	ND UJ	1							
1,1,2-Trichloroethane	ND	1							
Tetrachloroethene	ND UJ	1							
Ethylbenzene	ND	1							
1,1,1,2-Tetrachloroethane	ND UJ	1							
m,p-Xylene	ND	2							
o-Xylene	ND	1							
1,1,2,2-Tetracbloroethane	NO UJ	1							
Surrogate Dibromcfluoromethane		996%		*75-J25*					
Surrogate Toluene-dB		*104 %*		*75-125*					
Surrogate e-Bromcfluorobenzene		912%		*75-J25*					

A
21705

MOBILE GEOCHEMISTRY

H&P

EOF Associates	Project: EDFI22204-L4	
151 Klamus Drive, Suite E 140	Project Number: 72 104; Los Alamitos HS	Reported:
Costa Mesa CA, 92626	Project Manager: Mr Greg Bishop	23 Dec-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab 4

Analyte	Result	Reporting Limit	Units	Dilution Fac_tO_'	Batch	Prepared	Analyzed	Method	Notes
SG-5-5, PV 90ce (4412006-05) Vapor	Sampled: 22·Dec-04	Received: 22-Dec-04							
Dichlorodifluoromethane	ND	1	ug/l	005	4L42201	22-Dec-04	22-Dec-04	EPA 8260B	
Vinyl chloride	ND UJ	1							
Chloroethane	ND UJ	1							
Tricblcrofluoromethane	ND	1							
1-Dlchloroethenc	ND	1							
ethylene chloride	ND	1							
Freon 113	ND	1							
trans- J,2-Dichloroethene	ND	1							
1,l-Dlchlcroethane	ND	I							
cis-l,2-Dichloroethene	ND	1							
Chloroform	ND	I							
1,1,1-Trichloroethane	ND	1							
Carbon tetrachloride	ND	1							
1.2-Dichloroethane	ND	1							
Benzene	ND	1							
Trichlorocthcne	ND	1							
Toluene	ND UJ	1							
I" J,2-Trichloroethane	ND	1							
Tetrachloroethene	ND UJ	I							
EthyJbenzene	ND	I							
],1,1,2-Tetrachloroethane	ND UJ	1							
m.p-Xylene	ND	2							
a-Xylene	ND	1							
j ,1,2,2-Ietrachloroethane	ND UJ	1							
Surrogate Dib,omofiuor omethone		968%		75-125					
Surrogate To/uene-dB		986%		*75-125*					
Surrogate s-Bromofluorobenzene		852%		*75-125*					

A 2/7/05

MOBILE GEOCHEMISTRY

H&P

EDF Associates
151 KlamusDrive, SuiteE··J40
Costa Mesa CA, 92626

Project: EDFJ22204L4
Project Number: 72 104; Los Alamitos HS
Project Manager: Mr Greg Bishop

Reported:
23-Dec-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab 4

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-5·-5, Duplicate (4412006-06) Vapor	Sampled: 22·Dec-04 Received: 22,·Dec-04								
Dichlorodifluorornethane	ND	J	ugll	005	4L42201	zz-Dec.04	22-Dec.04	EPA 82608	
Vinyl chloride	ND UJ	1							
Chloroethane	ND UJ	1							
Trlchlorofluoromethane	ND	1							
!-Dichloroethene	ND	1							
ethylene chloride	ND	J							
rreon 113	ND	1							
trans-!,2-Dichloroethene	ND	1							
J.t-Dichlorcethane	ND	J							
cis-l.z-Dlchloroethene	ND	J							
Chloroform	ND	1							
!,I l-Trichloroethane	ND	1							
Carbon tetrachloride	ND	1							
1,2.·-Dichloroethane	ND	1							
Benzene	ND	1							
Trichloroethene	ND	1							
Toluene	ND UJ	I							
1,I,2-Trichloroethane	ND	1							
Tetrachloroethene	ND UJ	1							
Ethylbenzene	ND	I							
I J !,2-Tetrachloroethane	ND UJ	I							
rn.p-Xylene	ND	2							
a-Xylene	ND	1							
1,1,2,2-Tetrachloroethane	ND UJ	I							
Surrogate Dibromofluoromethane		*101 %*	75-/25						
Surrogate Toluene-db		*J09 %*	75..125						
Surrogate -i-Bromofluorobenzene		*920%*	75-/25						

2/2005

MOBILE GEOCHEMISTRY

H&P

EDF Associates	Project: EDF 122204-L4	
151 Klamus Drive, Suite E-140	Project Number: 72 104; Los Alamitos HS	Reported:
Costa Mesa CA, 92626	Project Manager: Mr Greg Bishop	23··Dec-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab4

Analyte	Result	Reporting limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notesl
SG-6-S, PV 90cc (4412006-07) Vapor	Sampled: 22·Dec,·04 Received: 22-Dec-04								
Dichlorodifluoromethane	ND	1	ug/l	005	4L42201	22-Dec.04	22-0ec-04	EPA 8260B	
Vinyl chloride	ND UJ	1							
Chloroethane	ND UJ	I							
"richlorofluoromethane	ND	1							
1-Dichlorocthene	ND	1							
Ilethylene chloride	ND	1							
Freon 113	ND	1							
trans-l,2-Dichloroethene	ND	1							
1,J-Dichloroethane	ND	1							
cis-Lz-Dichloroethene	ND	1							
Chloroform	ND	1							
1,1,1··Trichloroethane	ND	I							
Carbon tetrachloride	ND	1							
1,2-Dichloroethane	ND	1							
Benzene	ND	1							
Trichloroethene	ND	1							
Teluene	ND UJ	1							
J,I,2·1richlaraethane	ND	1							
Fetrachloroethene	ND UJ	I							
Ethylbenzene	ND	1							
! 1,1,2-Tetrachloroethane	ND UJ	I							
m.p-Xylene	ND	2							
a-Xylene	ND	1							
1,I,2,2-Tetrachloroethane	ND UJ	1							
Surrogate Dibromcfluor omethane		*102 %*		75-125					
Surrogate Toluene-db		*105 %*		*75-125*					
Surrogate s-Bromcfluoobenzene		924%		*75·125*					

4/7/05

MOBILE GEOCHEMISTRY

H&P

EDF Associates	Project: EDF122204-L4	
151 Klamus Drive, Suite E,·140	Project Number: 72 104; Los Alamitos HS	Reported:
Costa Mesa CA, 92626	Project Manager: Mr Greg Bishop	23-Dec-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab 4

Anelyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method
SG-7-5, PV 90" (4412006-08) Vapor	Sampled: 22-Dec-04	Received: 22-Dec-04						
Dichlorodifluornethane	ND	1	ugll	005	4L42201	22-Dec-04	22·Deo-04	EPA 8260B
Vinyl chloride	ND UJ	1						
Chloroethane	ND UJ	1						
ᵀ -ichlorofluoromethane	ND	I						
-Dichloroethene	ND	1						
ethylene chloride	ND	1						
Freon 113	ND	1						
trans-I,2-Dichloroethene	ND	1						
1,1-Dichloroethane	ND	1						
cis-l,2-Dichloroethene	ND	1						
Chloroform	ND	1						
1,1,1-Trichloroethane	ND	1						
Carbon tetrachloride	ND	1						
1,2-Dichloroethane	ND	1						
Benzene	ND	I						
Trichlorocthene	ND	1						
Toluene	ND UJ	1						
1,1,2· Irichloroethane	ND	J						
letrachloroethene	ND UJ	1						
Ethylbenzene	ND	1						
1,1, 1,2,·Tetrachloroethane	ND UJ	I						
m.p-Xylene	ND	2						
o-Xylene	ND	1						
I 1,2 2·Tetrachloroethane	ND UJ	I						
Surrogate Dibromofluoromethane		*104 %*		75-125				
Surrogate Toluene-db		*107 %*		75·125				
Surrogate q-Bromcfluorobenzene		896%		75-125				

12/05

MOBILE GEOCHEMISTRY

H&P

EDF Associates 351 Klamus **Drive, Suite E-140** Costa Mesa CA, 92626	Project: EDF122204-L4 **Project Number: 72 104; Los Alamitos HS** **Project Manager:** Mr **Greg Bishop**	Reported: 23-Dec-04

Volatile Organic Compounds by EPA Method 8260B

Lab 4

	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-8-5, PV 30cc (4412006-01) Vapor	Sampled: 22-Dec-04	**Received: 22-Dec··04**							
1,l-Difluoroethane	ND R	10	ug/l	005	4L42201	**22-Dee··04**	**22-Dec-04**	EPA 8260B	
SG-8-5, PV 90cc (4412006.02) Vapor	Sampled: 22-Dec·04	**Received: 22-Dec-04**							
l-Difluoroethane	ND R	10	ug/l	005	41A2201	**22-Dec-04**	**22-Dec-04**	EPA 8260B	
G-8-5, PV 210cc (4412006-03) Vapor	Sampled: 22.Dec-04	**Received: 22-Dec-04**							
1,1-Difluoroethane	ND R	10	ug/l	005	4142201	**22-Dec-04**	**22,·Dec-04**	EPA 8260B	
SG-4.5, PV 90cc (4412006-04) Vapor	Sampled: 22-Dec-04	**Received: 22-Dec-04**							
1,1-Difluoroethane	ND R	10	ugll	005	4142201	**22,·Dec-04**	**22-Dec-04**	EPA 8260B	
SG-5-5, PV 90cc (4412006-05) Vapor	Sampled: 22-Dec-04	**Received: 22··Dec-04**							
Ll-Difluoroethane	ND R	I0	ug/l	005	41A2201	**22·-Dec-04**	**22,·Dec-04**	EPA 8260B	
SG-5-5, Duplicate (4412006-06) Vapor	Sampled: 22-Dec·04	**Received: 22··Dec··04**							
1,1··Difluoroethane	ND R	10	ugll	005	4L42201	**22-Dec··04**	**22-Dec-04**	EPA 8260B	
SG-6-5, PV 90cc (4412006·07) Vapor	Sampled: 22·Dec-04	**Received: 22-Dec-04**							
I l-Difluoroethane	ND <<	10	ugll	005	4L42201	**22-Dec-04**	**22-Dec-04**	EPA 8260B	
SG·)·5, PV 90ee (4412006.08) Vapor	Sampled: 22-Dec-04	**Received: 22-Dec-04**							
l.t-Difluoroethane	ND R	10	**ugll**	005	4L42201	**22··Dec-04**	**22-Dec-04**	EPA 8260B	

21705

LDC #: 13086B1 **VALIDATION COMPLETENESS WORKSHEET** Date: 2/07/05

SDG #: 4412006 Level III Page: 1 of 1

Laboratory: H & P Mobile Geochemistry Reviewer: JVC

2nd Reviewer:

METHOD: *GC/MS* Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas Validation findings are noted in attached validation findings worksheets

D	Validation Area		Comments
I.	**Technical** holding **times**	A	8amolina dates: 12/22/04
II.	***GC/MS* Instrument** performance **check**	A	
III.	**Initial calibration**	A	
IV.	**Continuinn calibration**	SW	
V.	**Blanks**	A	
VI.	surrocate spikes	A	
VII.	**Matrix snike/Matrix** solke dunlicates	N	None Ap Not require L
VIII.	taboratorv **control** samcles	N	No LCS CNone /P)
IX.	Reoicnal Oualltv **Assurance and** Oualitv **Control**	N	
X.	**Internal standards**	N	Not provided not reviewed
XI.	Taroet ccmcound **identification**	N	
XII.	Oomoound **nuantitation/CRQLs**	N	
XIII.	**Tentatively identified compounds (TICs)**	N	
XIV	**System performance**	N	
XV	**Overall assessment of data**	A	
XVI.	**Field duplicates**	ND	D - 5, 6
XVII.	**Field blanks**	N	

Note: **A = Acceptable** **ND = No compounds detected** D = **Duplicate**
N = **Not provided/applicable** R = **Rinsate** TB = Trip blank
SW = See worksheet FB = Field blank **EB = Equipment blank**

Validated Samples:

Vapor

1	5G-8-5, PV 30cc	11	+L 422 r.t: bl]; 1	21		31
2	8G-8-5, PV 90cc	12		22		32
3	8G-8-5, PV 210cc	13		23		33
4	5G-4-5, PV 90cc	14		24		34
5	8G-5-5, PV 90cc	15		25		35
6	8G-5-5, Duolicate	16		26		36
7	8G-6-5, PV 90cc	17		27		37
8	8G-7-5, PV 90cc	18		28		38
9		19		29		39
10		20		30		40

TARGET COMPOUND WORKSHEET

METHOD: VOA (EPA SW 846 Method 82606)

A. Chloromethane"	U. 1,1,2-Trichloroethane	00.2,2-Dichloropropane	lll. n-Butylbenzene	CCCC.1-Chlorohexane
B. Bromomethane	V. Benzene	PP. Bromochloromethane	JJJ. 1,2-Dichlorobenzene	DODD. Isopropyl alcohol
C. VInyl chcride'"	W. trens-t,3-Dichloropropene	QQ. 1,1-0ichloropropene	KKK. 1,2,4-Trichlorobenzene	EEEE. Acetonitrile
D. Chloroethane	X. Bromoform"	RR. Dibromomethane	LLL. Hexachlorcbutadiene	FFFF. Acrolein
E. Methylene chloride	Y.4-Methyl-2-pentanone	58. 1,3-Dichtoropropane	MMM. Naphthalene	GGGG. Acrylonitrile
F. Acetone	Z. 2-Hexanone	TT. 1,2-Dibromoethane	NNN. 1,2,3-Trichlorobenzene	HHHH. 1,4-Dioxane
G. Carbon disulfide	AA. Tetrachloroethene	UU. 1,1,1,2-Tetrachlorosthane	OOO. 1.s.s-Trtctucrcbenzene	IIII. Isobutyl alcohol
H. 1,1-Dichloroethene**	BB. 1,1,2,2-Tetrachloroethane"	W. Isopropylbenzene	PPP. trans-f,2-Dichloroethene	JJJJ. Methacrylonitrile
Lt.f-Dlchlorcethane'	ce. Tohrene'"	WW. Bromobenzene	QQQ. cis-1.z-plchlorcethene	KKKK. Propionitrile
J. 1,2-Dichloroethene, total	DO. Chlorobenzene*	XX. 1,2,3-Trichloropropane	RRR. m.p-xytenes	LILL. Ethyl ether
K. chlorotorrn'"	EE. Ethylbenzeno"·	VY.n-Propylbenzene	SSS. o-Xylene	MMMM. Benzyl chloride
L. 1,2-Dichloroethane	FF. Styrene	ZZ.. 2-Chlorotoluene	TIT. 1,1.z-Trlchtcrc-t,2,2.trifluoroethane	NNNN. 1 1 – Difluoroethan
M. z-Butanone	GG. Xylenes, total	AAA. 1,3,5-Trimethylbenzene	UUU. 1.z-Dlchlcrctetreflucrceihene	OOOO.
N. 1,1,1-Trichloroethane	HH. Vinyl acetate	BBB.4-Chlorotoluene	VVV.4-Ethyltoluene	PPPP.
O. Carbon tetrachloride	II. 2.Chloroethylvinyl ether	CCC. tert-Butylbenzene	WWW. Ethanol	QQQQ.
P. Bromodichloromethane	JJ. Dichlorodifluoromethane	DDD.1,2,4-Trimethylbenzene	XXX. Di-Iscpropyl ether	RRRR.
Q. 1.z-Dlchloropropene"	KK. Trichlorofluoromethane	EEE. sec-Butylbenzene	YYY. ten-Butanol	SSSS.
R. ce-t,3-Dichloropropene	LL. Methyl-tert-butyl ether	FFF. 1,3-Dichlorobenzene	ZZZ. tert-Butyl alcohol	TTTT.
S. Trichloroethene	MM. t.z-Dlbrcmc-a-cbloroprcpene	GGG. p-ecprcpyltcluene	AAAA. Ethyl tert-butyl ether	UUUU.
T. Dibromochloromethane	NN. Methyl ethvl ketone	HHH. 1.4-Dichlorobenzene	BBBS. tert-Amyl methvt ether	WW.

* = System performance check compounds (SPCC) for RRF ; ** = Calibration check compounds (CCG) for %RSD.

LDG#:_J{
SDG #:

VALIDATION FINrS WORKSHEET
Continuing Calibration

PI .,;of_l_
Reviewer: JVC
znd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260)
Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N NIA Were percent differences (%0) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N) tlJ/A Were all %D and RRFs within the validation criteria of ≤25 %D and ≥0.05 RRF?

#	Oat8	.Standard ID	Compound	Finding %D (Limit: ≤25.0%)	Rndlng RRF (Limit: >0.05)	Associated Sampl••	Qualm.aUon.
	12/w/04	122204SV	C-	52.8		All + BlK	.r/UJ/A
		(CCV)	D	6i 8			
			CC	32.0			
			AA	-n: S			
			UU	41. ;			
			BB	32.2		↓	
	i2/06/04	i20(,n4 P	NNNA	87. C (<25 i)		Ail + BlK	J/UJ/A
		(ICV)					
			NNNN		r. . 025		J/R/A

LDC Report# 13086C1

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Los Alamitos High School

Collection Date: December 22, 2004

LDC Report Date: February 8, 2005

Matrix: Water

Parameters: Volatiles

Validation Level: EPA Level III

Laboratory: H &P Mobile Geochemistry

Sample Delivery Group (SDG): E412052

Sample Identification

SG-8
SG-8 dup
SG-4
TS
TSMS
TSMSD

Introduction

This data review covers 6 water samples listed on the cover sheet including dilutions and reanalysis as applicable The analyses were per EPA SW 846 Method 8260B for Volatiles

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above

A table summarizing all data qualification is provided **at** the end of this report Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit

J Indicates an estimated value.

R Quality control indicates the data is not usable

N Presumptive evidence of presence of the constituent

UJ Indicates the compound or analyte was analyzed for but not detected The sample detection limit is an estimated value

A Indicates the finding is based upon technical validation criteria

P Indicates the finding is related to a protocol/contractual deviation

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required

I. Technical Holding Times

All technical holding time requirements were met

The chain-of-custodies were reviewed for documentation of cooler temperatures All cooler temperatures met validation criteria

II. GCjMS Instrument Performance Check

Instrument performance was checked at 12 hour intervals

All ion abundance requirements were met

III. Initial Calibration

Initial calibration was performed using required standard concentrations

Percent relative standard deviations (%RSD) were less than or equal to 150% for each individual compound and less than or equal to 30 0% for calibration check compounds (CeCs)

In the case where %RSD was greater than 150%, the laboratory used a calibration curve to evaluate the compound. All coefficients of determination (r^2) were greater than or equal to 0.990 .

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria Unless noted above, all compounds were within the validation criteria

Average relative response factors (RRF) for all volatile target compounds and system performance check compounds (SPCCs) were within method and validation criteria with the following exceptions:

Date	Compound	RRF (limits)	Associated Samples	Flag	A or P
9/30/04	**Bromomethane**	0037 (≥0 05)	**All samples in SDG** E412052	J (all detects) **R (aU non-detects)**	A

IV. Continuing Calibration

Continuing calibration was performed **at** the required frequencies

Percent differences (%0) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20 0% for calibration check compounds (CCGs)

For the purposes of technical evaluation, all compounds were evaluated against the 250% (%0) National Functional Guideline criteria Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
12/28/04	**Dichlorodifluoromethane** Bromcmethane **Trichlorofluoromethane** **Bromoform** Hexachtorobutadlene	258 27 a 394 264 297	**All samples in SDG** E412052	J (all detects) **UJ (all non-detects)**	A

All of the continuing calibration RRF values were within method and validation criteria with the following exceptions:

Date	Compound	RRF (Limits)	Associated Samples	Flag	A or P
12/28/04	**Bromomethane**	0047 (≥0 OS)	**All samples in SDG** E412052	J (all detects) **R (all non-detects)**	A

V. Blanks

Method blanks were reviewed for each matrix as applicable No volatile contaminants were found in the method blanks

Sample TB was identified as a trip blank No volatile contaminants were found in this blank.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method All surrogate recoveries (%R) were within QC limits

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSO) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPO) were within QC limits

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
All samples in SDG E412052	All TeL compounds	No LeS analysis associated with these samples	LeS analysis required	None	P

IX, **Regional Quality Assurance and Quality Control**

Not applicable,

X" **Internal Standards**

All internal standard data were not provided and therefore not reviewed,

XI. Target Compound Identifications

Raw data were not reviewed for this SOG

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SOG

) **XIII. Tentatively Identified Compounds (TICs)**

Raw data were not reviewed for this SOG,

XIV. System Performance

Raw data were not reviewed for this SOG

XV. Overall Assessment of Data

Data flags have been summarized at the end of the report

XVI. Field Duplicates

Samples SG-8 and SG-8 dup were identified as field duplicates No volatiles were detected in any of the samples,

Los Alamitos High School
Volatiles - Data Qualification Summary - SDG E412052

SOG	Sample	Compound	Flag	A or P	Reason
E4l2052	5G··8 SG-8 dup SG-4 TB	Bromomethane	J lall detects) R (all non-detects)	A	Initial calibration (RRF)
E4l2052	SG-8 SG··8dup SG-4 TB	Dichlorodifluoromethane Bromomethane Trichlorofluoromethane Bromoform HexachlorobLrtadiene	J (all detects) UJ (all non-detects)	A	Continuing calibration (%0)
E412052	SG-8 SG-8 dup SG-4 TB	Bromomethane	J (all detects) R (all non.detects)	A	Continuing calibration (RRF)
E4l2052	SG-8 SG-8 dup SG-4 TB	All Tel compounds	None	P	Laboratory control samples

)

Los Alamitos High School
Volatiles - Laboratory Blank Data Qualification Summary - SDG E412052

No Sample Data Qualified in this SDG

Los Alamitos High School
Volatiles - Field Blank Data Qualification Summary - SDG E412052

No Sample Data Qualified in this SDG

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDFI22704-30	
151 Kalmus Drive, Suite H-II	Project Number: Los Alamitos High School	Reported:
Costa Mesa CA, 92626	Project Manager: Mr Greg Bishop	30-Dec-04

Volatile Organic Compounds by EPA Method 8260B

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method
SG-8 (E412052-01) Water Sampled: 22-Dec-04 Received: 22-Dec-04								
Dichlorodifluoromethane	ND UJ	1 0	ugll	005	6L42801	28-Dec-04	28-Dec-04	EPA 82608
Chloromethane	ND	10						
Vinyl chloride	ND	1 0						
Bromomethane	ND R	1 0						
Chloroethane	ND	10						
Trichlorofluorcmethane	ND UJ	1.0						
ethylene chloride	ND	1 0						
ethyl tert-butyl ether	ND	I 0						
s-1,2-Dichloroethene	ND	1.0						
1, f-Dichloroethane	ND	1 0						
1,1-Dichloroethene	ND	1 0						
2,2-Dichloropropane	ND	I 0						
cis-Lz-Dichloroethene	ND	I 0						
Chloroform	ND	1 0						
Brornochlorornethane	ND	I 0						
I, I,1-Trichloroethane	ND	1.0						
J,l-Dichloropropene	ND	1 0						
Carbon tetrachloride	ND	I 0						
1,2-Dichloroethane	ND	I 0						
Benzene	ND	05						
Trichlcroethene	ND	10						
1,2-Dichloropropane	ND	1 0						
Bromcdichloromethane	ND	10						
Dibromomethane	ND	I 0						
cis- J,3-Dichloropropene	ND	1 0						
Toluene	ND	05						
trans-! ,3-Dichloropropene	ND	1 0						
1,1,2-Trichloroethane	ND	1 0						
1,2-Dibromoethane (EDB)	ND	10						
J,3-Dichloropropane	ND	1 0						
Tetrachloroethene	ND	I 0						
Dfbromochloromethane	ND	10						
Chlorobenzene	ND	10						
.hylbenzene	ND	05						
1,2-Tetrachloroethane	ND	I 0						
=Xylene	ND	1 0						
a-Xylene	ND	05						

1/7/05

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF122704-30	
151 Kalmus Drive, Suite H-l1	Project Number: Los Alamitos High School	Reported:
Costa Mesa CA, 92626	Project Manager: Mr Greg Bishop	30-Dec-04

Volatile Organic Compounds by EPA Method 8260B

H & P Mobile Geochemistry Lab 6

IAnalyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notesl
SG-8 (E412052-01) Water Sampled: 22-Dec-04 Received: 22-Dec-04									
Styrene	ND	10	ug/l	005	6L42801	28-Dec-04	28··Dec-04	EPA 8260B	
Bromoform	ND UJ	10							
Isopropylbenzene	ND	10							
1,1,2,2-1etrachloroethane	ND	10							
1,2,3- Inchlorcprcpane	ND	10							
n-Propylbenzene	ND	10							
uncbenzene	ND	10							
5-Trimethylbenzene	ND	10							
hlorotoluene	ND	10							
4-Chlorotoluene	ND	10							
tert-Butylbenzene	ND	10							
1,2,4-Trimethylbenzene	ND	10							
sec-Butylbenzene	ND	10							
p-Isopropylto Iuene	ND	1.0							
1,3-Dichlorobenzene	ND	10							
1A-Dichlorobenzene	ND	10							
n-Butylbenzene	ND	1.0							
1,2-Dichlorobenzene	ND	10							
I,2-Dibromo-3-chloropropane	ND	10							
1,2,4-Irichlorobenzene	ND	1.0							
Hexachlorobutadiene	ND UJ	10							
Naphthalene	ND	10							
1,2,3-Trichlorobenzene	ND	. 1.0							
Surrogate Dibromofluoromethcne		972%		*75·125*					
Surrogate 1,2-Dichloroethane-d4		*/01 %*		6]-139					
Surrogate Toluene-tid		892 %		*75··125*					
Surrogate q-Bromojluorobenzene		932%		7i-1]5					

MOBILE GEOCHEMISTRY

H&P

EDF Associates	Project: EDF 122704-30	
151 Kalmus Drive, Suite H-II	Project Number: Los Alamitos High School	Reported,
Costa Mesa CA, 92626	Project Manager: Mr Greg Bishop	30-Dec-04

Volatile Organic Compounds by EPA Method 8260B

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-8 dup (E412052-02) Water	Sampled: 22-Dec-04	Received: 22-Dec-04							
Dichlorodifluoromethane	ND UJ	1 0	ug/l	005	6L42801	28-Dec-04	28·Dec-04	EPA 8260B	
Chloromethane	ND	1 0							
Vinyl chloride	ND	1.0							
Bromomethane	ND R	1 0							
Chloroethane	ND	1.0							
Trichlorofluoromethane	ND UJ	1 0							
ethylene chloride	ND	1 0							
ethyl tert-butyl ether	ND	1 0							
s-1,2-Dichloroethene	ND	1 0							
1,1-Dichloroethane	ND	1.0							
1,1-Dichloroethene	ND	1 0							
2,2-Dichloropropane	ND	1.0							
cis-1,2-Dichloroethene	ND	1 0							
Chloroform	ND	1.0							
Bromochloromethane	ND	1 0							
1,1,1-Trichloroethane	ND	1.0							
1,1-Dichloropropene	ND	1 0							
Carbon tetrachloride	ND	1 0							
1,2-Dichloroethane	ND	1 0							
Benzene	ND	0.5							
Trichloroethene	ND	1 0							
1,2-Dichloropropane	ND	1 0							
Bromodichloromethane	ND	1 0							
Dibromomethane	ND	1 0							
cis-1,3-Dichloropropene	ND	1 0							
Toluene	ND	05							
trans-1S-Dichloropropene	ND	1 0							
1,1,2-Trichloroethane	ND	1 0							
1,2-Dibromoethane (EDB)	ND	1 0							
t.j-Dichlorcpropane	ND	1 0							
Tetrachloroethene	ND	1 0							
Dibromochloromethane	ND	1 0							
Chlorobenzene	ND	1 0							
Ethylbenzene	ND	05							
1,1,1,2-Tetrachloroethane	ND	1 0							
m,p-Xylene	ND	1 0							
o-Xylene	ND	05							

Page 4 of 13

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF122704-30	
151 Kalmus Drive, Suite a-u	Project Number: Los Alamitos High School	Reported:
Costa Mesa CA, 92626	Project Manager: Mr Greg Bishop	30-Dec-04

Volatile Organic Compounds by EPA Method 8260B

H & P Mobile Geochemistry Lab 6

Analyre	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes/
SG-8 dup (E412052-02) Water	Sampled: 22-Dec-04	Received: 22-Dec-04							
Styrene	ND	10	ug/I	005	6L42801	28··Dec-04	28-Dec-04	EPA 8260B	
Bromoform	ND UJ	10							
Isoprcpylbenzene	ND	10							
I, 1,2,2··1etrachloroethane	ND	10							
1,2,3-Trich loropropane	NO	10							
n-Propylbenzene	NO	10							
-mobenzene	ND	10							
5..Trimethylbenzene	ND	10							
}lorotoluene	NO	10							
a-Chlororoluene	NO	10							
tert-Butylbenzene	NO	10							
1,2,4··Trirnethylbenzene	NO	10							
sec-Butylbenzene	ND	10							
p-Isopropyltoluene	NO	10							
l,3·-Dichlorobenzene	NO	10							
1,4-Dichlorobenzene	NO	10							
n-Butylbenzene	ND	10							
1,2-Dichlorobenzene	ND	10							
1,2-Dibromo- j-chloropropane	ND	10							
1,2,4··Trichlorobenzene	ND	10							
Hexachlorobutadiene	ND UJ	10							
Naphthalene	ND	10							
1,2,3-Trich lorobenzene	ND	1.0							
Surrogate Dlbromcfluorometbone		968%	*75-125*						
Surrogate 1,2-Dichloroethane-d4		*102 %*	62-139						
Surrogate Toluene-d'S		*904 %*	*75-125*						
Surrogate e-Bromofluoiobenzene		*904 %*	*75-125*						

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EOF J22 704-30	
151 Kalmus Drive, Suite H-II	Project Number: Los Alamitos High School	Reported:
Costa Mesa CA, 92626	Project Manager; Mr Greg Bishop	30-0eo··04

Volatile Organic Compounds by EPA Method 8260B

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-4 (E412052-03) Water Sampled: 22-0ec-04 Received: 22-0ec-04									
Dichlorodifluorumethane	ND	10	*ug/l*	005	6L42801	28-Dec-04	28-Dec-04	EPA 8260B	
Chloromethane	ND	10							
Vinyl chloride	ND	1a							
Brornomethane	ND	1a							
Chloroethane	ND	10							
Trichlorofluorcrnethane	ND	1a							
thylene chloride	ND	1a							
thyl tert-butyl ether	ND	1a							
l,2-Dichloroethene	ND	1a							
l,l-Dichloroethane	ND	10							
f.I-Dichloroethene	ND	1a							
2,2-Dichloropropane	ND	1a							
cis-l,2-Dichloroethene	ND	10							
Chloroform	ND	1a							
Brornochloromethane	ND	1a							
1,1,1-Trichloroethane	ND	1a							
1,1-Dichloropropene	ND	1a							
Carbon tetrachloride	ND	1a							
1,2-Dichloroethane	ND	1a							
Benzene	ND	05							
Trichloroethene	ND	1a							
1,2-Dichloropropane	ND	1a							
Bromodichloromethane	ND	1a							
Dibromomethane	ND	1a							
cis-I,3-DichloTopropene	ND	1a							
Toluene	ND	05							
trans-! ,3-Dichloropropene	ND	1a							
1,1,2-Trichloroethane	ND	1a							
i ,2-Dibromoethane (EDB)	ND	1a							
l,3-Dichloropropane	ND	1a							
Tetrachlcroethene	ND	1a							
Dibromochlororuethane	ND	1a							
Chlcrobenzene	ND	1a							
rylbenzene	ND	05							
l 2-Tetrachloroethane	ND	1a							
Xylene	ND	1a							
o-Xylene	ND	05							

MOBILE GEOCHEMISTRY
H&P

EDF Associates	Project: EDF 122704-30	
151 Kalmus Drive, Suite H-l1	Project Number: Los Alamitos High School	Reported:
Costa Mesa CA, 92626	Project Manager: Mr Greg Bishop	30-Dec-04

Volatile Organic Componnds by EPA Method 8260B

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-4 (E412052-03) Water Sampled: 22-Dec-04 Received: 22-Dec-04									
Styrene	ND	10	ug/l	005	6L42801	*28·Dec-04*	28·Dec··Q4	EPA 82608	
Bromoform	NO UJ	10							
lsoprcpylbenzene	NO	10							
1, I,2,2-1 etrachloroethane	ND	10							
1,2,3- Trichloropropane	NO	10							
n-Propylbenzene	ND	10							
-mobcnzene	NO	10							
5-Trimethylbenzene	NO	10							
lorotoluene	NO	10							
a-Chlorotoluene	NO	10							
tert-Butylbenzene	ND	10							
1,2,4-Trimethylbenzene	NO	10							
sec-Butylbenzene	ND	1.0							
p-Isoprcpyltoluene	ND	10							
1,3-Dichlorobenzene	NO	10							
1A-Dichlorobenzene	ND	10							
n-Butylbenzene	ND	10							
1,2-Dichlorobenzene	NO	10							
1,2-Dibromo-3-chloropropane	ND	10							
1,2,4-Trichlorobenzene	ND	10							
Hexachlcrobutad iene	ND UJ	10							
Naphthalene	NO	10							
1,2,3-Trichlorobenzene	ND	10							
Surrogate Dibromofluorometliane		972%		*75-125*					
Sun agate J.l-Dichloroethane-de		*{OJ %*		62-139					
Surrogate Toluene-d'S		876%		75-125					
Surrogate e-Isromoftuoiobenrene		93] %		75-125					

2/1/05

MOBILE GEOCHEMISTRY

H&P

EDF Associates	Project: EDF122704-JO	
151 Kalmus Drive, Suite l-l-I]	**Project Number: Los Alamitos High School**	**Reported:**
Costa Mesa CA, 92626	**Project Manager: Mr Greg Bishop**	JO-Dec-04

Volatile Organic Compounds by EPA Method 8260B

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units			Prepared	Analyzed	Method	Notes
TB (E412052-04) Water	Sampled: 22-Dec-04	Received: 22-Dec-04							
Dichlorodifluoromethane	ND UJ	1.0	ug/l	005	6L4280\	28-D,e-04	28-Dec-04	EPA 82608	
Chloromethane	ND	10							
Vinyl chloride	ND	10							
Brcrnomethane	ND R	10							
C**hloroethane**	ND	10							
Trichlcrofluoromethane	ND UJ	10							
thylene chloride	ND	10							
thyl ten-butyl ether	ND	10							
,-1,2-Dichloroethene	ND	10							
1, I-Dichloroethane	ND	10							
1,I-Dichloroethene	ND	10							
2,2-Dichloropropane	ND	10							
cis-l,2-0ichloroethene	ND	10							
Chloroform	ND	10							
Bromochloromethane	ND	10							
t,l ,l-Trichloroethane	ND	10							
I,I-Dichloropmpene	ND	10							
Carbon tetrachloride	ND	10							
1,2-Dichloroethane	ND	10							
Benzene	ND	05							
Trichloroethene	ND	10							
1,2-Dichloropropane	ND	10							
Bromodichloromethane	ND	10							
Dibromomethane	ND	10							
cis,.l,.3-Dichloropropene	ND	10							
Toluene	ND	05							
trans-Lk-Dichlorcpropene	ND	10							
I, 1,2-**Trichloroethane**	ND	10							
I,2-Dibromoethane CEDE)	ND	10							
1,3-Dichloropropane	ND	10							
Tetrachloroethene	ND	10							
Dibromochloromethane	ND	10							
Chlorobenzene	ND	10							
iylbenzene	ND	05							
l,2-Tetrachloroethane	ND	10							
Xylene	ND	10							
a-Xylene	ND	05							

MOBILE GEOCHEMISTRY

H&P

EDF Associates	Project EDFI22704-30	
151 Kalmus Drive, Suite H-Il	Project Number: Los Alamitos High School	Reported:
Costa Mesa CA, 92626	Project Manager: Mr Greg Bishop	30-Dec-04

Volatile Organic Compounds by EPA Method 8260B

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	p.repared	Analyzed	Method	Notes
TB (E412052-04) Water Sampled: 22-Dec-04 Received: 22-Dec-04									
Styrene	ND	1 0	ug/l	005	6L42801	28-Dec··04	28··Dec-04	EPA8260B	
Bromoform	ND UJ	*10*							
Isopropylbenzene	ND	1 0							
1,1,2,2-1etrachloroethane	ND	10							
1,2,3-Trichloropropane	ND	10							
n-Propylbenzene	ND	1 0							
-unobenzene	ND	1 0							
5-Trimethylbenzene	ND	1 0							
lorotoluene	ND	1 0							
4-Chlorotoluene	ND	1 0							
tert-Butylbenzene	ND	1 0							
1,2,4- Trimethylbenzene	ND	1 0							
sec-Butylbenzene	ND	10							
p-Isopropyltoluene	ND	1 0							
1,3-Dichlorobenzene	ND	1 0							
1,4-Dichlorobenzene	ND	1 0							
n-Butylbenzene	ND	1 0							
1,2-Dichlorobenzene	ND	1 0							
1,2·Dibromo.3-chloropropane	ND	1 0							
1,2,4-Trichlorobenzene	ND	10							
Hexachlorobutadiene	ND UJ	1 0							
Naphthalene	ND	10							
1,2,3-Trichlorobenzene	ND	*1.0*							
Surrogate Dibromofluoromethane		*102%*		*75-125*					
Surrogate J,2-DichI0l'oethane-d4		*104%*		62-/39					
Surrogate Toluene-d'S		884 %		*75-125*					
Surrogate s-Bromojluorobenzene		932%		75-/25					

LDC #: 13086C1

SDG #: E412052

Laboratory: H & P Mobile Geochemistry

VALIDATION COMPLETENESS WORKSHEET

Level III

Date: 9/07/06

Page: 1 of 1

Reviewer: JVG

2nd Reviewer: CK

METHOD: *GC/MS* Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas Validation findings are noted in attached validation findings worksheets

0	Validation Area		Comments
I.	**Technical holding times**	A	Samplino dates: 12/22/04
II.	***GC/MS* Instrument performance check**	A	
III.	**Initial calibration**	SW	RSD ≤ 15
IV,	**Continuina calibration**	SW	
V.	**Blanks**	A	
VI.	**Surroaate soikes**	A	
VII.	**Matrix soike/Matrix soike duolicates**	A	
VIII.	**Laboratorv control** sarnoles	N	None /p
IX.	**Reaional Qualitv Assurance and Qualitv Control**	N	
X.	**Internal standards**	N	Not provided not reviewed
XI.	**Taraet** compound **identification**	N	
XII.	Compound cuanutetorrcnote	N	
XIII	**Tentatively identified compounds (TICs)**	N	
XIV	**System performance**	N	
XV	**Overall assessment of data**	A	
XVI.	**Field duplicates**	ND	D = 1, 2
XVII.	**Field blanks**	ND	TB ::: 4

Note: A ::: **Acceptable** N = **Not provided/applicable** **SW = See worksheet** **ND = No compounds detected** R = **Rinsate** **FB = Field blank** D = **Duplicate** **TB = Trip blank** **EB = Equipment blank**

Validated Samples: Water

1	SG-B	11		21		31
2	SG-B dup	12		22		32
3	SG-4	13		23		33
4	TB	14		24		34
5	TBMS	15		25		35
6	TBMSD	16		26		36
7	6L42801-BLK1	17		27		37
B		18		28		38
9		19		29		39
10		20		30		40

TARGET COMPOUND WORKSHEET

IETHOD: VOA (EPA SW 846 Method 8260B)

A. Chloromethane"	S. Trichloroethane	KK. Trichlorofluoromethane	Gee. lert-Butylbenzene	UUU. 1.2-Dichlorotetrafluoroethane
B. Bromomethane	T. Dlbromochloromethane	LL. Methyl-tert-butyl ether	DOD. 1,2,4-Trimethylbenzene	VW.4-Ethyltoluene
C. Vinyl chorlde"	U. 1,1,2-Trlchloroethane	MM. 1,2-Dlbromo-3-chloropropane	EEE. sec-Butylbenzene	WWW. Ethanol
O. Chloroethane	V. Benzene	NN. Methyl ethyl ketone	FFF. 1,3-Dlchlorobenzene	XXX. Ol-isopropyl ether
I E. Methylene chloride	W. trans-1,3-Dichloropropene	OO. 2.2-0lchloropropane	GGG. p-Isopropyltoluene	YVY. tart-Butanol
F. Acetone	X. Bromoform"	PP. Bromochloromelhane	HHH. 1,4-Dlchlorobenzene	ZZZ. tert-Butyl alcohol
G. Carbon disulfide	Y.4-Methyl-2-pentanone	QQ. 1,1-Dlchloropropene	III. n-Butylbenzene	AAAA. Ethyl tert·butyl elher
H. 't.f-Dlchloroethene'"	Z. 2-Hexanone	RR. Dlbromomethane	JJJ. 1,2-Dlchlorobenzene	BBBB. tert-Amyl methyl ether
I. t.f-Dlchtoroethene"	AA. Tetrachloroethane	S5. 1,3-Dichloropropane	KKK.1,2,4-Trtchlorobenzene	CCCC.1-Chlorohexane
J. 1,2-0lchloroethene, tolal	BB. 1,1,2,2-Tetrachloroethane*	TT.1,2·0lbromoethane	LLL. Hexachlorobutadlene	DODD. Isopropyl alcohol
K. Ctnorotorm"	CC. Toluene"	UU. 1,1,1,2-Telrachloroethane	MMM. Naphthalene	EEEE. Acetonftrile
L. t.z-otcnorccmene	00. cteoroteoaene-	W. Isopropylbenzene	NNN. 1,2,3-Trichlorobenzene	FFFF. Acrolein
M. 2-Butanone	EE. Ethylbenzene**	WW. Bromobenzene	000. 1,3,5-Trtchlorobenzene	GGGG. Acrylonitrile
N. t.f.f-Trlchtoroeihane	FF. Styrene	XX. 1,2,3-Trlchloropropane	PPP. trans-1,2-Dichloroethene	HHHH. 1,4·Dloxane
O. Carbon tetrachloride	GG. Xvlenes, total	YY. n-Propylbenzene	aaQ. cis-1,2-Dichloroethene	1111. Isobutyl alcohol
P. Bromodichloromethane	HH. Vinyl acetate	n. 2-Chlorotoluene	RRR. m,p-Xylenes	JJJJ. Methacrylonltrile
Q.1,2-Dlchloropropane[u]	II. 2-Chloroethylvlnyl ether	MA.1,3,5-Trimethylbenzene	SSS. o-Xylene	KKKK. Propionltrile
R. Cls-1,3·DlchloroDroDene	JJ. Olchlorodlfluoromelhane	BBB. 4-Ghlorotoluene	TTT. 1,1 2-Trichloro-1 22-trlfluoroethane	llIL.

* =System performance check compounds (SPCC) for RRF: ** =Calibration check compounds (CCC) for %RSD.

DC #: 1308[redacted]
DG #: E4[redacted]052

VALIDATION FINDI[redacted] VORKSHEET
Initial Ca[redacted]tion

Page of 1
Reviewe[redacted] JVC
2nd Reviewer: Q

IETHOD: GC/MS VOA (EPA SW 846 Method 8260B)

ase see qualifications below for all questions answered 'N". Not applicable questions are identified as "N/A".

N N/A Did the laboratory perform a 5 point calibration pnor to sample analysis?
N N/A Were percent relative standard deviations (%ASD) and relative response factors (ARF) within method criteria for all CCC's and SpeC's?
N N/A Was a curve fit used for evaluation? If yes, what was the acceptance criteria used for evaluation?_____
N N/A Old the initial calibration meet the acceptance criteria?
Y (N) N/A Were all %RSDs and RRFs within the validation criteria 01 ≤30 %RSD and ≥0.05 ARF ?

#	Date	Standard 10	Compound	Finding %RSD (Umll: ≤30.0%)	Finding RRF (Umll: ≥0.05)	Associated Samples	Qualifications
	9/20/04	iCAL	B		0.037	All + Blk	J/R/A

INICAL 1SB

LDC#: 1 1
SDG #. E4T2052

VALIDATION FIN[ ) WORKSHEET
Continuing Calibration

Pe 1 of 1
Reviewer JVC
2nd Review

METHOD: GC/MS VOA (EPA SW 846 Method 8260)

Please see
(X) N N/A
Y N NfA
yIN') NIA

#	Dat.	.Standard 10	Compound	Finding %D (Umlt: ≤25.0%)	Finding RRF (Umlt: ≥0.05)	Associated Sampi••	QuallleaUon.
	.12/28/04	122804FM.9A	JJ	as.8		All + B11<	J/UJ/A
			B	27.0			
			kK	31.4			
			X	2r•.4			
			LLL	29.7			
			B		0.047		J/R/A

Los Alamitos High School
Data Validation Reports
LDC# 13086

Metals

LDC Report# 13086A4

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Los Alamitos High School

Collection Date: December 22, 2004

LDC Report Date: February 2, 2005

Matrix: Soil

Parameters: Metals

Validation Level: EPA Level III

Laboratory: Calscience Environmental Laboratories, Inc

Sample Delivery Group (SDG): 04-12-1721

Sample Identification

BG-1
BG-2
BG-3
BG-4
BG-2 Dup
BG-4MS
BG-4MSD

Introduction

This data review cover'S 7 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Methods 6010B and 7000 for Metals. The metals analyzed were Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, and Zinc

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (February 1994) as there are no current guidelines for the methods stated above

A table summarizing all data qualification flags is provided at the end of this report Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from specified protocols or is of technical advisory nature

Blanks are summarized in Section III.

Field duplicates are summarized in Section XIII.

Raw data were not reviewed for this SDG. The review was based on QC data

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit

J Indicates an estimated value

R Quality control indicates the data is not usable

N Presumptive evidence of presence of the constituent

UJ Indicates the compound or analyte was analyzed for but not detected The sample detection limit is an estimated value

A Indicates the finding is based upon technical validation criteria

P Indicates the finding is related to a protocol/contractual deviation

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required

I. Technical Holding Times

All technical holding time requirements were met

The chain-of-custodies were reviewed for documentation of cooler temperatures All cooler temperatures met validation criteria

II. Calibration

An initial calibration was performed

The frequency and analysis criteria of the initial calibration verification (ICV) and continuing calibration verification (CCV) were met

III. Blanks

Method blanks were reviewed for each matrix as applicable.

Data qualification by the initial, continuing and preparation blanks (ICBjCCBjPBs) was based on the maximum contaminant concentration in the ICBjCCBjPBs in the analysis of each analyte No contaminant concentrations were found in the initial, continuing and preparation blanks with the following exceptions:

Method Blank 10	Analyte	Maximum Concentration	Associated Samples
PB (prep blank)	**Thallium** **Molybdenum**	0.169 mg/Kg 00288 mg/Kg	All samples in SDG 04-12-1721
ICB/CCB	**Arsenic** **Lead** **Thallium** **Vanadium** **Zinc** **Molybdenum**	56 ugiL 1 3 ug/L 37 ug/L 02 ug/L 38 ug/L 1 1 ug/L	**All samples in SDG 04-12-1721**

Sample concentrations were compared to the maximum contaminant concentrations detected in the ICBjCCBjPBs The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated method blanks with the following exceptions:

Sample	Analyte	Reported Concentration	Modified Final Concentration
BG-3	, Molybdenum	0114 mg/Kg	o 114U mg/Kg

No field blanks were identified in this SDG

IV. ICP Interference Check Sample (ICS) Analysis

The frequency of analysis was met

The criteria for analysis were met

V. Matrix Spike Analysis

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits

VI. Duplicate Sample Analysis

The laboratory has indicated that there were no duplicate (DUP) analyses specified for the samples in this SDG, and therefore duplicate analyses were not performed for this SDG

VII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable Percent recoveries (%R) were within QC limits

VIII. Internal Standards (ICP-MS)

ICP-MS was not utilized in this SDG

IX. Furnace Atomic Absorption ac

Graphite furnace atomic absorption was not utilized in this SDG

X. ICP Serial Dilution

ICP serial dilution was not required **by** the method.

XI. Sample Result Verification

Raw data were not reviewed for this SDG

XII. Overall Assessment of Data

Data flags have been summarized at the end of this report

XIII. Field Duplicates

Samples BG-2 and BG-2 Dup were identified as field duplicates No metals were detected in any of the samples with the following exceptions:

Compound	Concentration (mg/Kg)		RPD
	BG·2	BG·2Dup	
Arsenic	589	634	7
Barium	155	156	1
Beryllium	**0436**	0515	17
Cadmium	O500U	**00390**	200
Chromium	234	242	3
Cobalt	138	137	1
Copper	296	31 1	5
Lead	576	670	15
Mercury	00589	**00539**	9
Nickel	205	203	1
Silver	00470	**00264**	58
Vanadium	461	487	5
Zinc	607	622	2
Molybdenum	156	1 16	29

Los Alamitos High School
Metals· Data Qualification summary- **SDG 04·12·1721**

No Sample Data Qualified in this SDG

Los Alamitos High School
Metals· Laboratory Blank Data Qualification summery- **SDG 04·12·1721**

SOG	Sample	Analyte	Modified Final Concentration	A or P
04-12-1721	BG-3	Molybdenum	o 114U mg/Kg	A

Los Alamitos High School
Metals· Field Blank Data Qualification Summary· SDG 04-12-1721

No Sample Data Qualified in this SDG

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Calscience Environmental Laboratories, Inc.

Analytical Report

EDF Associates, LLC
151 Kalmus Drive, Suite H-11
Costa Mesa, CA 92626-7942

Date Received: *12/28/04*
Work Order No: 04-12-1721
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: *mg/kg*

Project: Los Alamitos High School/72 104

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
BG-1	04-12-1721-1	12122104	Solid	12129/04	12130/04	041229L07

Comment(s): -Results were evaluated to the MOL, concentrations >= to the MDL but < RL if found, are qualified with a "J" flag
-Mercury was analyzed on *12130/2004* 11:54:22 AM with batch 041229L08

Parameter	Result	RL	MOL	DF	Qual	Parameter	Result	RL	MOL	DF	Qual
Antimony	NO	0750	0191	1		Mercury	00671	00835	00130	1	J
Arsenic	286	075	0130	1		Molybdenum	0743	0250	00206	1	
Barium	102	0500	0164	1		Nickel	164	02	00346	1	
Beryllium	0365	0250	00036	1		Selenium	NO	0750	0175	1	
Cadmium	00864	0500	00098	1		Silver	00701	0250	00209	1	
Chromium (Total)	176	02	00291	1		Thallium	NO	0750	00987	1	
Cobalt	979	025	00085	1		Vanadium	365	02	00093	1	
Copper	183	05	00469	1		Zinc	486	10	0177	1	
lead	12.2	0.5	0.0527	1							

BG-2	04-12-1721-2	12/22104	Solid	12129104	*12130/04*	041229L07

Comment(s): -Resulta were evaluated to the MOL, concentrations >= to the MOL but < RL if found, are qualified with a" J" flag
-Mercury was analyzed on *12/30/2004* 11:57:20 AM with batch 041229LOa

Parameter	Result	RL	MDL	OF	Qual	Parameter	Result	RL	MOL	OF	Qual
Antimony	NO	0750	0191	1		Mercury	00589	00835	00130	1	
Arsenic	5.89	0.75	0130	1		Molybdenum	156	025	00206	1	
Barium	155	0500	0164	1		Nickel	205	02	00346	1	
Beryllium	0436	0250	00036	1		Selenium	NO	0750	0175	1	
Cadmium	NO	0500	00098	1		Silver	00470	0250	00209	1	
Chromium (Total)	234	02	00291	1		Thallium	NO	0750	00987	1	
Cobalt	138	02	00085	1		Vanadium	461	02	00093	1	
Copper	296	05	00469	1		Zinc	607	10	0177	1	
Lead	5.76	0.50	0.0527	1							

BG··3	04-12.1721-3	12122104	Solid	12129104	12130/04	041229L07

Comment(s): -Results were evaluated to the MOL concentrations >= to the MOL. but < RL if found are qualified with a 'j' flag
-Mercury was analyzed on *12/30/200412:00:21* PM with batch 041229L08

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MOL	OF	Qual
Antimony	NO	0750	0191	1		Mercury	00309	00835	00130	1	J
Arsenio	215	075	0130	1		Molybdenum	O114	0250	00206	1	J
Barium	103	0500	0164	1		Nickel	15 3	02	00346	1	
Beryllium	0482	0250	00036	1		Selenium	NO	0750	0175	1	
Cadmium	00949	0500	00098	1	J	Silver	00426	0250	00209	1	
Chromium (Total)	189	02	00291	1		Thallium	NO	0750	00987	1	
Cobalt	106	02	00085	1		Vanadium	41 1	02	00093	1	
Copper	187	05	00469	1		Zinc	563	10	0177	1	
Lead	830	050	00527	1							

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Calscience
Z_nvironmenta/
Laboratories, Inc.

Analytical Report

EDF Associates, L.LC
151 Kalmus Drive, Suite H-11
Costa Mesa, CA 92626-7942

Date Received: *12/28/04*
Work Order No: 04-12-1721
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B 1EPA 7471A
Units: *mg/kg*

Project: Los Alamitos High SchooJ/72 104

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
BG-4	04-12-1721·4	12122/04	Solid	12129(04	12130/04	041229L07

Comment(s): -Resu'ts were evaluated to the MDL concentrations >= to the MOL but < RL, if found, are qualified with a J' flag
-Mercury was analyzed on *12/30/2004* 12:03:22 PM with batch 041229LOB

Parameter	Result	RL	MOL	DF	Qual	Parameter	Result	RL	MOL	DF	Qual
Antimony	NO	0150	0191	1		Mercury	00212	00835	00130	1	J
Arsenic	185	075	0130	1		Molybdenum	0805	0250	00206	1	
Barium	771	05	0164	1		Nickel	11.7	02	00346	1	
Beryllium	0.382	0250	00036	1		Selenium	NO	0750	0175	1	
Cadmium	NO	0500	00098	1		Silver	NO	0250	00209	1	
Chromium (Tolaf)	150	02	00291	1		Thallium	NO	0750	00987	1	
CobaJt	918	025	00085	1		Vanadium	333	02	00093	1	
Copper	11.6	0.5	00469	1		Zinc	483	10	0177	1	
Lead	6.98	0.50	0.0527	1							

BG-20UP	04-12.1721-5	12122104	Solid	12129104	12130/04	041229L07

Commenus): -Results were evaluated to the MOL. concentrations >= to the MOL but < RL if found are qualified with a" J" flag
-Mercurywas analyzed on 12/30/200412:06:23 PM with batch 041229L08

Parameter	Result	RL	MDL	OF	Qual	Parameter	Result	RL	MOL	DF	Qual
Antimony	NO	0750	0191	1		Mercury	00539	00B35	00130	1	J
Arsenic	634	075	0130	1		Molybdenum	1 16	0 25	00206	1	
Barium	156	0500	0 164	1		Nickel	20 3	02	00346	1	
Beryllium	0515	0250	00036	1		Selenium	NO	0750	0175	1	
Cadmium	00390	0500	00098	1		Silver	00264	0250	00209	1	
Chromium (Total)	24 2	02	0 0291	1		Thallium	ND	0750	O 09B7	1	
Cobalt	137	02	000B5	1		Vanadium	487	02	00093	1	
Copper	31 1	05	00469	1		Zinc	622	10	0177	1	
lead	6.70	0.50	0.0527	1							

Method Blank	099-04-007.2,945	N/A	Solid	12/29(04	12130104	041229LOB

Parameter	Result	RL	MOL	OF	Qual
Mercury	NO	00835	00130	1	

RL - Reporting limit OF - Dilution Factor ouat. Qualifiers

LDC#: 13086A4

VALIDATION COMPLETENESS WORKSHEET

Date;l" 31' 05

SDG #: 04-12-1721

Level III

Page: \ of \

.aboratory: Calscience Environmental Laboratories, Inc.

Reviewer: MG

2nd Reviewer: MM

METHOD: Metals (EPA SW 846 Method *6010B/7000)*

The samples listed below were reviewed for each of the following validation areas Validation findings are noted in attached validation findings worksheets

	Validation Area		Comments
I.	**Technical holding times**	A	Sampling dates: 12-22-04
II.	**Calibration**	A	
III.	**Blanks**	SW	
IV.	ICP Interference Check Sample (ICS) Analysis	A	
V.	**Matrix** Spike **Analysis**	A	MS / MSD (SDG: 04-12-1785)
VI.	Duollcate Sarnole **Analysis**	N	
VII.	Laboratorv Control Samples (LCS)	A	LCS
VIII.	Internal Standard (ICP-MS)	N	Not .»:lized
IX.	**Furnace Atomic** Absorotton **QC**	N	
X.	**ICP Serial Dilution**	N	Not requ••ed
XI.	**Samole Result Verification**	N	
XII.	**Overall Assessment of Data**	A	
XIII.	**Field Duplicates**	SW	D = 2+5
XIV.	**Field Blanks**	N	

Note: **A = Acceptable** **N = Not provided/applicable** **SW = See worksheet** **NO = No compounds detected** R = **Rinsate** FB = Field blank D = **Duplicate** **T8 = Trip blank** **EB = EqUipment blank**

Validated Samples: all soil

1	BG-1	11		21		31
2	BG-2	12		22		32
3	BG-3	13		23		33
4	BG-4	14		24		34
5	BG-20uo	15		25		35
6	BG-4MS	16		26		36
7	BG-4MSD	17		27		37
S	PBS	1S		28		38
9		19		29		39
10		20		30		40

Notes:

LDC #: 13086A4
SOG #: 04-12-1721

VALIDATION FINDINGS WORKSHEET
Sample Specific Element Reference

Reviewer: MG
znc reviewer: MG

All circled elements are applicable to each sample,

Sample 10	Matrix	Tarnet Analvte Lrst n'ALI
1 -> 5	5	Al, (Sb, As, Ba, Be, Cd, Ca, Cr Co, Cu, Fe, (Pb, Mg, Mn, (Hg, Ni) K, (Se, Ag, Na, (Tl, V, ZO, Mo, B, SI, CN,
QC 6 7	1	Al, se, As, Ba, Be, ce, Ca, cr. Co, Cu, Fe, Pb, Mg, Mn, (Hg, Ni, K, Sa; Ag, Na, 11, V, Zn, Mo, B, Si, eN",
		Al, Sb, As, Ba, Be, Cd, Ca, cr. Co, cu, Fe, Pb, Mg, Mn, Hg; Ni, K, Se, Ag, Na, 11, V, ZO, Mo, B, SI, CN,
		Al, Sb, As, Sa, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn•.Hg. Ni, K, Se, Ag, Na, 11, V, Zn, Mo, 8, Sit cu,
		Al, Sb, As. Ba, Be, Cd, Ca, Cr, Co, CU, Fe, Pb, Mg, Mn, Hg, Nit K, Se, Ag, Na, 11, V, Zn, Mo, S, Si, eN',
		Al, Sb, As, Ba, Be, Cd, Ca, cr, Co, Cu, Fe, Pb, Mg, Mn" Hg, NI, K, Se, Ag, Na, 11, V, ZO, Mo, B, SI, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, co, Fe, Pb, Mg, Mn, Hg, NI, K, Se, Ag, Na, 11, V, ZO, Mo, B, SI, CN,
		Al, Sb, As, Sa, Be, Cd, Ca. Cr, Co, CU, Fe, Pb, Mg, Mn, Hg, Ni; K. Se, Ag. Na, TI, V. Zn, Mo, 8, Si, cu.
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, cu Fe, Pb, Mg, Mn, Hg, NI, K, Se, Ag, Na, 11, V, ZO, Mo, B, SI, CN',
		Al, se, As, Ba, Be, ca. Ca, Cr. Co. CU, Fa, Pb. Mg, Mn, Hg, NI, K, Sa. Ag, Na, 11. V, ZO, Mo, B. Si, CN,
		Al, se, As, Ba, Be, Cd, Ca, cr. Co, CU, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, 11, V, ZO, Mo, B, Si, CN,
		Al, Sb, As, Ba, Be, Cd, Ce, cr. Co, Cu, Fe, Pb, Mg, Mn, Hg, NI, K, Se, Ag, Na, 11, V, ZO, Mo, B, SI, CN',
		Al, ss, As, Ba, Be, Cd, Ca, Cr, Co, cu, Fe; Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, n V, ZO, Mo, B, Sl, CN,
)		Al. se. As, Be. Be. ce. Ca Cr. Co, Cu. Fe. Pb. Mg. Mn. Hg, NI. K. se. Ag, Na. n V. ZO, Mo, B, SI, CN'.
		Al, Sb, As, Ba, Be, Cd, Ca, cr. Co, cu, Fe, Pb, Mg, Mn, Hg, NI, K, Se, Ag, Na, n V, ZO, Mo, B, SI, CN,
		Al, Sb, As, Ba Be, Cd, Ca, cr. Co, co, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, 11, V, ZO, Mo, B, SI, CN,
		Al, Sb, As, Ba, Be, Cd, ce, cr. Co, co. Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, 11, V, ZO, Mo, B, SI, CN',
		Al. Sb, As. Ba, Be, Cd, Ca, c-, Co, cu Fe. Pb, Mg, Mn, Hg, NI, K, Se, Ag, Na, 11, V, ZO, Mo, B, Sl, CN,
		Al, Sb, As, Be, Be, Cd, Ca, Cr, Co, cu, Fe, Pb, Mg, Mn, Hg, NI, K, se, Ag, Na, 11, V, ZO, Mo, B, SI, CN',
		Al, Sb, As, Ba, Be, Cd, Ca, c-, Co, cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, 11, V, ZO, Mo, B, SI, CN',
		Al, Sb, As, Ba, Be, Cd, Ca, cr, Co, cu, Fe, Pb, Mg, Mn, Hg, NI, K, Se, Ag, Na, 11, V, ZO, Mo, B, SI, CN,
		Al, Sb, As, Ba, Be, Cd, Ce, Cr, Co, co, Fe, Pb, Mg, Mn, Hg, Nl, K, Se, Ag, Na, 11, V, ZO, Mo, B, SI, CN',
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, NI, K, Se, Ag, Na, 11, V, ZO, Mo, B, Sl, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Be, Ag, Na, 11, V, ZO, Mo, B, SI, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Be, Ag, Na, 11, V, ZO, Mo, B, SI, CN,
Analvsls Method		
ICP		Al. Sb, As. Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, NI, K, Se, Ag, Na, 11, V, ZO, Mo, B, SI, CN,
ICP Trace	5	Al, (Sb, As, Ba, Be, Cd, Ca, (Cr, Co, Cu, Fe, (Pb, Mg, Mn, Hg, (Ni, K, (Se, Ag, Na, (Tl, V, ZO, Mo, B, SI, CN,
ICP.MS		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu. Fe, Pb, Mg, Mn, Hg, NI, K, Se, Ag, Na, n, V, ZO, Mo, B, SI, CN.
GFAA		Al. Sb, As, Ba, Be, Cd, Ca Cr, Co. Cu, Fe, Pb, Mo. Mn, Ho, Ni. K. Se, Ao, Na, 11, V, ZO Mo, B, Sl, CN,

Comments: (Mercury by CVM If performed)

LDC# 13086A4
SDG #: 04-12-172 I
METHOD: Trace Metals (EPA SW 846 Method 6010/7000) li

VALIDATION FINDINGS WORKSHEET
Prep Blank/ICB/CCB Findings

Page: 1 of 1
Reviewer: MG
2nd Reviewer: MG

Blank concentration units: ug/L or ug/Kg Wipe Blank units: ug Associated Samples:

Analyte	leB	CCB1	CCB2	ccsa	PB( )	res	CCB1	CCB2	ccas	PB{)	Analyte
Al											Al
Sb											Sb
As	0.0056										As
Ba											Ba
Be											B.
Cd											Cd
Ca											Ca
C,											C,
Co											Co
Cu											eu
Fe											Fe
Pb	0·0012	0.0013									Pb
Mg											Mg
Mn											Mn
Hg											Hg
Nl											Nl
K											K
Se											S.
Ag											Ag
N.											Na
Tl	0.0037										Tl
V	0.0002										V
Zn	0.0038										Zn
B											B
Mo	0.0008	In.OOII									Mo
c,											S.

The highest concenlration found in the Prep Blank and ICB/CCB for each analytels Circled on thisworksheet and transferred to the PBIICB/CCB Qualified Samplesworksheet.

LOC #: 130864
SDG #: 04-12-1721

VALIDATION FINDINGS WORKSHEET
PB/ICB/CCB QUALIFIED SAMPLES

Reviewer: MG
2nd Reviewer: MN

METHOD: Trace Metals (EPA SW 846 MEthod 6010/7000) Soil preparation **factor applied:** 50 X "
Sample Concentration units, unless otherwise noted: mg/Kg **Associated Samples:** a

Analyte	Maximum PB" /mg/Kg)	Maximum PB" rua/U	Maximum ICB/CCS" (uafL)	Blank Action Limit										
Al														Al
Sb														Sb
As			5.6	1.40										As
Ba														Ba
Be														Be
Cd														Cd
Ce														Ca
Cr														Cr
CG														Co
Cu														Cu
Fe														Fe
Pb			1.3	0.32										Pb
Mg														Mg
Mn														Mn
Hg														Hg
Ni														Ni
K														K
Se														Sa
Ag														Ag
Na														No
n	0.169													11
V														V
Zn														Zn
B														B
Me	0.0288		i.1	0.28	0.114									Me
Sr														Sr

emplee with enevte concentrations within five ames the associated ICB, CCB or F | concentration are listed above with the dentifications from the Validation Completeness WorkSheet. These sample results were qualified as not detected. "U".

Note: e - **The listed** enelvte concentreuon **is the highest 1GB, CGB, or pa detected** In **the** enelvee **of each element.**

LDC#: 13086A4 **VALIDATION FINDINGS WORKSHEET** Page: 1 of 1
SDG#: 04-12-1721 Field Duplicates Reviewer: MG
2nd Reviewer: MG

METHOD: Metals (EPA Method *60108/7000)*

(Y) N NA Were field duplicate pairs identified in this SDG?
(Y) N NA Were target analytes detected in the field duplicate pairs?

Compound	Concentration (mg/kg) 2	5	RPD	
Arsenic	589	634	7	
Barium	155	156	1	
Beryllium	0436	0515	17	
Cadmium	o SOoU	00390	200	
Chromium	234	242	3	
Cobalt	138	137	1	
Copper	296	31 1	5	
Lead	576	670	15	
Mercury	00589	00539	9	
Nickel	205	203	1	
Silver	00470	0,0264	56	
Vanadium	461	487	5	
Zinc	607	622	2	
Molybdenum	156	1 16	29	

Los Alamitos High School
Data Validation Reports
LDC# 13086

TPH as Extractables

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LDC Report# 1308608

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Los Alamitos High School

Collection Date: December 22, 2004

LDC Report Date: February 8, 2005

Matrix: Water

Parameters: Total Petroleum Hydrocarbons as Extractables

Validation Level: EPA Level III

Laboratory: H & P Mobile Geochemistry

Sample Delivery Group (SDG): W412031

Sample Identification

SG-8
SG-8 dup
SG-4

Introduction

This data review covers 3 water samples listed **on** the cover sheet including dilutions and reanalysis as applicable The analyses were per EPA SW 846 Method 8015 for Total Petroleum Hydrocarbons (TPH) as Extractables

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above

A table summarizing all data qualification is provided at the end of this report Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG The review was based on QC data

The following are definitions of the data qualifiers:

)

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit

J Indicates **an** estimated value.

R Quality control indicates the data is not usable

N Presumptive evidence of presence of the constituent

UJ Indicates the compound or analyte was analyzed for but not detected The sample detection limit is an estimated value

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required

I. Technical Holding Times

All technical holding time requirements were met

The chain-of-custodies were reviewed for documentation of cooler temperatures All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

Initial calibration of compounds was performed as required by the method

The percent relative standard deviations (%RSO) of calibration factors for compounds were less than or equal to 20.0% .

b. Calibration Verification

Calibration verification was performed at required frequencies. The percent differences (%0) of amounts in continuing standard mixtures were within the 150% QC limits.

III. Blanks

)

Method blanks were reviewed for each matrix as applicable No total petroleum hydrocarbons as extractable contaminants were found in the method blanks

No field blanks were identified in this SOG

IV" Accuracy and Precision Data

a. Surrogate Recovery

Surrogates were added to all samples and blanks as required by the method with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
All samples in SOG W4t2031	**TPH as extractables**	**Surrogates were not spiked in the samples**	**Surrogate must be spiked in the samples**	J lall detects) **UJ (all non-detects)**	P

b. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSO) samples were reviewed for each matrix as applicable with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	Aor P
All samples in SDG W412031	TPH as extractables	No MS/MSD associated with these samples	MS/MSD required	None	P

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
All samples in SDG W412031	TPH as extractables	No LCS analysis associated with these samples	LCS analysis required	J (all detects) UJ (all non-detects)	P

The samples and associated blanks are qualified as estimated (J/UJ) due to the lack of associated laboratory control samples, matrix spikes, and matrix spike duplicates.

V. Target Compound Identification

) Raw data were not reviewed for this SDG

VI. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG

VII. System Performance

Raw data were not reviewed for this SDG

VIII. Overall Assessment of Data

Data flags have been summarized at the end of this report

IX" Field Duplicates

Samples SG-8 and SG-8 dup were identified as field duplicates No total petroleum hydrocarbons as extractables were detected in any of the samples

Los Alamitos High School
Total Petroleum Hydrocarbons as Extractables - Data Qualification Summary - SDG W412031

SDG	Sample	Compound	Flag	A O' p	Reason
W412031	SG·8 SG·8 dup SG-4	TPH as extractables	J (all detects) UJ (all non .detects)	P	Surrogate recovery
W412031	SG·8 SG.8 dup SG-4	TPH as extractables	None	P	Matrix spike/Matrix spike duplicates
W412031	SG·8 SG.8 dup SG-4	TPH as extractables	J (all detects) UJ (aU non-detects)	P	Laboratory control samples

Los Alamitos High School
Total Petroleum Hydrocarbons as Extractables - Laboratory Blank Data Qualification Summary - SDG W412031

No Sample Data Qualified in this SDG

Los Alamitos High School
Total Petroleum Hydrocarbons as Extractables - Field Blank Data Qualification Summary - SDG W412031

No Sample Data Qualified in this SDG

MOBILE GEOCHEMISTRY

H&P

ED? Associates, LL C	H&P Project: EDF122204-11	
lSI Kalmus DriveH-11	Project Number: 72 104; Los Alamitos High School	Reported:
Costa Mesa CA, 92626	Project Manager: Mr Greg Bishop	OS-Ian-OS

Water Analyses

H&P Mobile Geochemistry Lab WI

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Analyzed	Method	Notes
SG-8 (W412031-01) Water Sampled: 22-Dec-04 Received: 22-Dec-04								
Gasoline (CS--CII)	ND UJ	500	ugll		WlA2802	28-0ec-04	OHS torr	
Diesel (CI2--C24)	ND J	500						
Motor Oil (C25-C36)	ND ↓	1000						
SG-8 DUP (W412031-02) Water Sampled: 22-Dec-04 Received: 22-Dec-04								
Gasoline (C5-C II)	ND UJ	500	ugll		WlA28Q2	28-Dec·.04	DHS LUF1	
Diesel (CI2-C24)	ND J	500						
Motor Oil (C25·C36)	ND ↓	1000						
SG-4 (W412031-03) Water Sampled: 22-Dec-04 Received: 22-Dec-04								
Gasoline (C5-Ci I)	ND UJ	500	ugil		WL42802	28-Dec··04	DHS LUFT	
Jesel (CI2-C24)	ND J	500						
Motor Oil (C25-C36)	ND ↓	1000						

Kayne Hartman
1-5-2005

2/7/05

LDC #: 13086D8
SDG #: W412031
Laboratory: H & P Mobile Geochemistry

VALIDATION COMPLETENESS WORKSHEET
Level III

Date: 2/07/05
Page: 1 of 1
Reviewer: JVC
2nd Reviewer: [illegible]

METHOD: GC TPH as Extractables (EPA SW 846 Method 8015)

The samples listed below were reviewed for each of the following validation areas Validation findings are noted in attached validation findings worksheets

	Validation Area		Comments
I.	**Technical** holding times	A	Sampling dates: 12/22/04
IIa.	**Initial calibration**	A	
IIb.	**Calibration verification**	A	
III.	**Blanks**	A	
IVa.	**Surrogate** recovery	N	no surrogates spiked (J/UJ/P)
IVb.	**Matrix spike/Matrix spike duplicates**	N	None /P (spiked non-client sample)
IVc.	**Laboratory control samples**	N	no LCS (J/UJ/P)
V.	Target **compound identification**	N	
VI.	**Compound Quantitation and CRQLs**	N	
VII.	**System Performance**	N	
VIII.	**Overall assessment of data**	A	
IX.	**Field duplicates**	ND	D = J, 2
X.	**Field blanks**	NI	

Note: A = **Acceptable** N = **Not provided/applicable** **SW = See worksheet** **NO = No compounds detected** R = **Rinsate** **FB = Field blank** **O = Duplicate** **TB = Trip blank** **EB = Equipment blank**

Validated Samples: Water

1	SG-8	11		21		31
2	SG-8 dup	12		22		32
3	SG-4	13		23		33
4	WL 42802 - Blkr	14		24		34
5		15		25		35
6		16		26		36
7		17		27		37
8		18		28		38
9		19		29		39
10		20		30		40

Notes:

Arcadis U.S., Inc.
320 Commerce
Suite 200
Irvine
California 92602
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www.arcadis-us.com

Mr. Dan Weerasekera
Orange County Health Care Agency
1241 East Dyer Road, Suite 120
Santa Ana, California

Subject:
Quarterly Status Report, First Quarter 2019

ENVIRONMENT

Dear Mr. Weerasekera,

On behalf of Chevron Environmental Management Company (CEMC), Arcadis has prepared the attached *Quarterly Status Report, First Quarter 2019* for the following facility:

Chevron Site No.	Case No.	Location
306600 (Former Unocal No. 4727)	92UT123	3501 Cerritos Avenue Los Alamitos, CA

Date:
March 22, 2019

Contact:
Zachary Mason

Phone:
714.508.3135

Email:
Zachary.Mason@arcadis.com

Our ref:
GWR000JK.6600

If you have any questions, please do not hesitate to contact me.

Sincerely,

Arcadis U.S., Inc.



Zachary Mason
Portfolio Manager

Copies:
Mr. James Kiernan, CEMC (electronic)
Ms. Nancy Olson-Martin, California Regional Water Quality Control Board, Santa Ana Region (electronic)
Ms. Simon Bhavilai, CEMC (electronic)
Mr. Thomas C. Lewis (electronic)
Ms. Nancy Nien, Los Alamitos Unified Scholl District (electronic)
Mr. John Eclevia, Los Alamitos Unified Scholl District (electronic)

ARCADIS Design & Consultancy for natural and built assets

QUARTERLY STATUS REPORT
First Quarter 2019
March 22, 2019

Facility No:	Chevron Site No. 306600 (Former Unocal No. 4727)	Address:	3501 Cerritos Avenue, Los Alamitos, California

Arcadis Contact Person / Phone No.:	Zachary Mason / 714.508.3135
Arcadis Project No.:	GWR000JK.6600
Primary Agency/Regulatory ID No.:	Orange County Health Care Agency / Dan Weerasekera / Case No. 92UT123

WORK CONDUCTED THIS Period [First Quarter 2019]:

1. Conducted quarterly groundwater monitoring activities on February 4 and 5, 2019.
2. Prepared the *Additional Soil and Groundwater Assessment Report*.
3. Prepared the *Quarterly Status Report, First Quarter 2019*.
4. Removed soil investigation derived waste on February 4, 2019 related to the additional soil and groundwater assessment activities.

WORK PROPOSED NEXT PERIOD [Second Quarter 2019]:

1. Conduct quarterly groundwater monitoring activities.
2. Prepare the *Quarterly Status Report, Second Quarter 2019*.

Current Phase of Project:	Monitoring/assessment	
Frequency of Monitoring / Sampling:	Quarterly	
Are Phase Separate Hydrocarbons (PSH) Present On-site:	No	
Cumulative PSH Recovered to Date:	None	(gallons)
Approximate Depth to Groundwater:	4.71 to 13.05 (Shallow zone) 7.63 to 12.25 (Deep zone)	(feet below top of casing)
Approximate Groundwater Elevation:	14.13 to 21.64 (Shallow zone) 15.39 to 18.75 (Deep zone)	(feet relative to corresponding datum)

Groundwater Flow Direction	Southeast to South (Shallow zone) Southeast (Deep zone)	
Groundwater Gradient	0.049 (Shallow zone) 0.026 (Deep zone)	(feet per foot)
Current Remediation Techniques:	None	
Permits for Discharge:	None	
Summary of Unusual Activity:	None	
Agency Directive Requirements:	None	

DISCUSSION

Blaine Tech Services, Inc. (BTS) conducted quarterly groundwater monitoring activities on February 4 and 5, 2019. The groundwater monitoring field data sheets and general procedures are included as Attachment A. Thirty one (31) monitoring wells (MW-1, MW-2, MW-5, MW-6, MW-7, MW-13 through MW-20, MW-14D though MW-18D, MW-21S, MW-21D, MW-22, MW-23S, MW-23M, MW-23D, MW-24S, MW-24M, MW-24D, RMC-5, RMC-6, RMC-7, VEW-1) were gauged and sampled by BTS representatives.

Groundwater samples were submitted to Eurofins/Calcience, a California-certified laboratory under standard chain-of-custody protocols. Gauging and analytical data obtained by BTS for this event are summarized in Table 1. Historical gauging and analytical data for the Site primary COCs are summarized in Table 2. Total petroleum hydrocarbons (TPH) with carbon chain identification analytical data for the Site are summarized in Tables 3 and 4. The Site location and layout are presented on Figures 1 and 2, respectively; the groundwater elevation contours for the shallow and deep zones on February 4, 2018 are presented on Figures 3A and 3B, respectively. Isoconcentration contours for total petroleum hydrocarbons as gasoline (TPH-g), total petroleum hydrocarbons as diesel (TPH-d), total petroleum hydrocarbons as jet fuel (TPH-Jet A), benzene, methyl tert-butyl ether (MTBE) and tertiary butyl alcohol (TBA) in the shallow and deep zones are presented on Figures 4A through 9B. Data from the nearby Chevron No. 202685 site are also included on Figures 3A through 9B during first and third quarter reporting. A copy of the laboratory analytical report and chain-of-custody documentation are included as Attachment B. Hydrographs for Site monitoring wells are also included as Attachment C.

The estimated groundwater flow directions and hydraulic gradients in the shallow and deep zones were generally consistent with previous monitoring events. The groundwater analytical results were also generally consistent with previous events except for the wells MW-11, MW-16, MW-16D, MW-19 and

MW-20. The highest TPH-g and benzene, toluene, ethylbenzene, and xylenes (BTEX) concentrations continue to be detected in wells MW-14, MW-19, and MW-20 which are in/near the area of former underground storage tanks (USTs). Only low concentrations of petroleum hydrocarbons are detected in the deep zone, with concentrations below Low-Threat Closure Policy (LTCP) criteria; however, MW-16D did show increased concentrations of TPH-g, TPH-Jet A, and benzene.

Detected chemical concentrations during the first quarter 2019 sampling event continue to be below Site historical maximum concentrations except for TPH-Jet A, which was detected highest in MW-20 (5,700 micrograms per liter [ug/L]). Sampling for TPH-Jet A began in second quarter 2018 and MW-2, MW-14D, MW-16D, MW-20, MW-21S, MW-24S, RMC-7 and VEW-1 all exhibited increased concentrations for TPH-Jet A during the first quarter 2019 monitoring event. TPH-g concentrations also increased in MW-14, MW-14D, MW-16D, MW-18D, MW-19, MW-24S, RMC-5, RMC-6 and RMC-7. TPH-d also increased in MW-2, MW-16D, MW-19, VEW-1, MW-24M and MW-24D.

During first quarter 2019, the duplicate sample collected from MW-14 showed significant difference in TPH-g and TPH-d w/Si gel concentrations from the parent sample. Monitoring well MW-19 showed a significant increase in TPH-g concentration (43,000 ug/L) for the first quarter 2019 event, this has been a previous trend observed for this monitoring well. Monitoring well MW-16 shows a historical minimum concentration for TPH-g, TPH-d, TPH-Jet A and BTEX. Monitoring well MW-16 D showed an increase in concentration for TPH-g, TPH-d, TPH-Jet A, BTEX and TBA. MW-20 showed an increase in concentration of TPH-Jet A, Benzene, Toluene and TBA.

TPH-d and TPH-Jet A data for the Site is routinely reported by Eurofins/Calscience as inconsistent with the reference fuel standard. In the Orange County Health Care Agency (OCHCA) letter dated September 7, 2018 (OCHCA 2018), TPH with carbon chain identification analysis was recommended to be run on groundwater samples; and was performed for the current event. Based on the results from the carbon chain analysis, most of the reported TPH was from C4-C14. TPH-g is typically associated with C4-C12, TPH-Jet A is typically associated with C7-C17, and TPH-d is typically associated with C10-C28. Based on a review of the first quarter 2019 carbon chain data, results appear to indicate weathered gasoline; however, there are carbon chain detections above the typical gasoline standard. Arcadis recommends continued monitoring of TPH with carbon chain identification to further substantiate TPH ranges at the Site.

Furthermore, between fourth quarter 2017 and first quarter 2018 the laboratory was changed from Eurofins Lancaster to Eurofins/Calscience. In fourth quarter 2017 (and presumably earlier) TPH-d was reported as C13-C22. In first quarter 2018 to present, TPH-d was reported as C6-C28. The increase in TPH-d concentrations subsequent to 4Q17 are likely caused by a switch in laboratories performing analyses with a corresponding change in the reported carbon range for TPH-d.

Based on the second round of sampling at the recently installed triple-nested monitoring wells MW-23 and MW-24, the extent of benzene in groundwater appears to be adequately delineated to the

north/northeast of the Site. Arcadis recommends that monitoring wells MW-23 and MW-24 be sampled quarterly for at least one year to further evaluate data trends and confirm adequate delineation.

In a meeting between OCHCA, CEMC, and Arcadis on November 15, 2018, it was discussed that the State Water Resources Control Board (SWRCB) is investigating potential off-site sources of petroleum hydrocarbons at cases in the immediate Site area (including the subject Site) due to the presence of numerous petroleum pipelines beneath Cerritos Avenue and data from the nearby Chevron No. 202685 case (located at the northwest corner of Los Alamitos Boulevard and Cerritos Avenue). Findings from the SWRCB off-site source investigation are still forthcoming. In the first quarter 2019, chemical concentrations at the respective sites are adequately delineated by site monitoring wells and migration of contaminants across the two sites does not appear to be occurring.

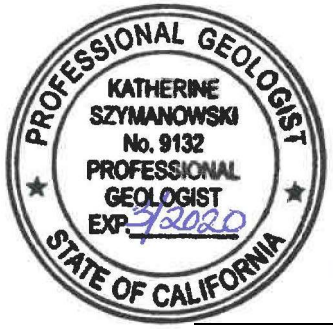
Arcadis recommends continued quarterly monitoring to further evaluate groundwater quality and concentration trends.

REFERENCES

Orange County Environmental Health Care Agency (OCHCA). 2018. Second Quarter 2018 Quarterly Monitoring Report and Case File Review and Case Field Review. Unocal Station #4727, 3501 Cerritos Avenue, los Alamitos, California. OCHCA Case #92UT123. September 7.

LIMITATIONS

This report was prepared in accordance with the scope of work outlined in Arcadis' contract and with generally accepted professional engineering and environmental consulting practices existing at the time this report was prepared and applicable to the location of the site. It was prepared for the exclusive use of Chevron Environmental Management Company, for the express purpose stated above. Any re-use of this report for a different purpose or by others not identified above shall be at the user's sole risk without liability to Arcadis. To the extent that this report is based on information provided to Arcadis by third parties, Arcadis may have made efforts to verify this third-party information, but Arcadis cannot guarantee the completeness or accuracy of this information. The opinions expressed and data collected are based on the conditions of the site existing at the time of the field investigation. No other warranties expressed or implied are made by Arcadis.



Katherine Szymanowski

Date: March 22, 2019

Katherine Szymanowski P.G.
Principal Geologist

Zachary Mason

Date: March 22, 2019

Zachary Mason
Portfolio Manager

ATTACHMENTS:

Table 1	Current Groundwater Gauging and Analytical Results
Table 2	Historical Groundwater Gauging and Analytical Results, Third Quarter 1998 to Current
Table 3	Current Carbon Chain Data
Table 4	Historical Carbon Chain Data, Fourth Quarter 2018 to Current
Figure 1	Site Location Map
Figure 2	Site Plan
Figure 3A	Groundwater Elevation Contour Map-Shallow zone, February 4, 2019
Figure 3B	Groundwater Elevation Contour Map-Deep zone, February 4, 2019
Figure 4A	TPH-g Isoconcentration Map-Shallow zone, February 4 and 5, 2019
Figure 4B	TPH-g Isoconcentration Map-Deep zone, February 4 and 5, 2019
Figure 5A	TPH-d Isoconcentration Map-Shallow zone, February 4 and 5, 2019
Figure 5B	TPH-d Isoconcentration Map-Deep zone, February 4 and 5, 2019
Figure 6A	TPH-Jet A Isoconcentration Map-Shallow zone, February 4 and 5, 2019
Figure 6B	TPH-Jet A Isoconcentration Map-Deep zone, February 4 and 5, 2019
Figure 7A	Benzene Isoconcentration Map-Shallow zone, February 4 and 5, 2019
Figure 7B	Benzene Isoconcentration Map-Deep zone, February 4 and 5, 2019
Figure 8A	MTBE Isoconcentration Map-Shallow zone, February 4 and 5, 2019
Figure 8B	MTBE Isoconcentration Map-Deep zone, February 4 and 5, 2019
Figure 9A	TBA Isoconcentration Map-Shallow zone, February 4 and 5, 2019
Figure 9B	TBA Isoconcentration Map-Deep zone, February 4 and 5, 2019
Attachment A	Field Data Sheets and General Procedures
Attachment B	Laboratory Report and Chain-of-Custody Documentation
Attachment C	Hydrographs
Attachment D	Soil Waste Manifest
Attachment E	Current Groundwater Gauging and Analytical Results, Chevron No. 202685

TABLES

Table 1. Current Groundwater Gauging and Analytical Results
Chevron Site No. 306600
3501 Cerritos Avenue, Los Alamitos, California

Well ID	Sample Date	Screen Interval (ft bTOC)	TOC (ft)	Datum	DTW (ft bTOC)	PSH thickness (ft)	GW Elev (ft)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-d w/Si gel	TPH-Jet A (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	EDB (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Naphthalene (µg/L)
Shallow zone																								
MW-2	2/4/2019	5-25	26.85	NAVD 88	10.99	0.00	15.86	**1,000**	**270**	**410**	**1,400**	**3.1**	<1.0	**0.80 J**	**0.51 JA**	**1.9**	**15**	<1.0	<0.50	**0.63 J**	<2.0	<2.0	**57 J**	**9.0 J**
MW-5	2/4/2019	5-25	27.11	NAVD 88	12.00	0.00	15.11	<50	<50	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	**0.27 J**	<2.0	<2.0	<2.0	<100	<10
MW-6	2/5/2019	5-25	26.24	NAVD 88	9.31	0.00	16.93	<50	<45	<45	<45	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<0.50	<2.0	<2.0	<2.0	<100	<10
MW-7	2/5/2019	5-25	26.57	NAVD 88	10.77	0.00	15.80	<50	<49	<49	<49	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<0.50	<2.0	<2.0	<2.0	<100	<10
MW-13	2/5/2019	5-25	26.29	NAVD 88	11.00	0.00	15.29	<50	**31 J**	<45	**41 J**	<1.0	<1.0	<1.0	<1.0	**0.17 J**	**21**	<1.0	<0.50	<2.0	<2.0	<2.0	<100	<10
MW-14	2/4/2019	5-25	27.24	NAVD 88	11.50	0.00	15.74	**23,000**	**220**	**280**	**3,300**	**2,800**	**730**	**460**	**1,300**	**20 J**	**440**	<20	<10	<40	<40	<40	<2,000	**270**
MW-14 (DUP)	2/4/2019	--	--	--	--	--	--	**14,000**	**210**	**2,000**	**5,000**	**2,400**	**600**	**380**	**1,100**	**16 J**	**490 J**	<50	<25	<100	<100	<100	<5,000	**410 J**
MW-15	2/5/2019	5-25	26.94	NAVD 88	9.77	0.00	17.17	**4,400**	**77**	**130**	**600**	**1,700**	**23**	**130**	**58 JA**	<20	**270**	<20	<10	<40	<40	<40	<2,000	<200
MW-16	2/4/2019	5-25	26.45	NAVD 88	5.12	0.00	21.33	**1,200**	**47**	<46	**280**	**16**	**1.3**	**0.39 J**	**50**	<1.0	<10	<1.0	<0.50	<2.0	<2.0	<2.0	<100	**12**
MW-16 (DUP)	2/4/2019	--	--	--	--	--	--	**1,400**	**49 J**	<50	**260**	**15**	**1.4**	**0.36 J**	**46**	<1.0	<10	<1.0	<0.50	<2.0	<2.0	<2.0	<100	**10**
MW-17	2/4/2019	5-25	26.94	NAVD 88	10.73	0.00	16.21	**1,100**	**76**	**110**	**380**	**49**	**2.5**	<1.0	**1.6 JA**	**47**	**270**	<1.0	<0.50	**0.92 J**	<2.0	<2.0	<100	<10
MW-18	2/4/2019	5-25	26.35	NAVD 88	4.71	0.00	21.64	**53**	<45	<45	<45	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<0.50	<2.0	<2.0	<2.0	<100	<10
MW-19	2/4/2019	9-25	27.04	NAVD 88	11.41	0.00	15.63	**43,000**	**410**	**220**	**850**	**12,000**	**210**	**960**	**77 JA**	**1,100**	**6,400**	<100	<50	<200	<200	<200	<10,000	**590 J**
MW-20	2/4/2019	10-25	27.27	NAVD 88	11.58	0.00	15.69	**1,600**	**370**	**2,500**	**5,700**	**3,800**	**130**	**1,200**	**400 JA**	<25	**520**	<25	<12	<50	<50	<50	<2,500	**360**
MW-21S	2/4/2019	10-25	27.18	NAVD 88	13.05	0.00	14.13	**170**	<50	**36 J**	**71**	<1.0	<1.0	<1.0	<1.0	**0.79 J**	**12**	<1.0	<0.50	**0.36 J**	<2.0	<2.0	<100	<10
MW-22	2/5/2019	10-25	26.83	NAVD 88	11.48	0.00	15.35	<50	<50	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0	**3.5 J**	<1.0	**0.19 J**	<2.0	<2.0	<2.0	<100	<10
MW-23S	2/5/2019	12-15	27.35	NAVD 88	10.01	0.00	17.34	<50	<50	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<0.50	<2.0	<2.0	<2.0	<100	<10
MW-23M	2/5/2019	19-22	27.41	NAVD 88	10.22	0.00	17.19	<50	<50	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<0.50	<2.0	<2.0	<2.0	<100	<10
MW-24S	2/5/2019	12-15	27.99	NAVD 88	11.91	0.00	16.08	**390**	**30 J**	**110**	**270**	**2.8**	**0.35 J**	**9.6**	**1.6 JA**	<1.0	<10	<1.0	<0.50	<2.0	<2.0	<2.0	<100	<10
MW-24M	2/5/2019	19-22	28.01	NAVD 88	11.92	0.00	16.09	**1,000**	**56**	**47 J**	**150**	**12**	**0.35 J**	**30**	**4.5**	<1.0	**84**	<1.0	<0.50	<2.0	<2.0	<2.0	<100	**16**
RMC-5	2/4/2019	5-25	26.27	< >	7.78	0.00	18.49	**970**	**160**	**280**	**840**	**3.5**	**0.14 J**	**0.73 J**	**1.2 JA**	<1.0	**13**	<1.0	<0.50	<2.0	<2.0	<2.0	<100	**23**
RMC-6	2/4/2019	5-25	26.20	< >	11.44	0.00	14.76	**160**	**24 J**	<50	<50	<1.0	<1.0	<1.0	<1.0	**0.75 J**	**43**	<1.0	**11**	**0.46 J**	<2.0	<2.0	<100	<10
RMC-7	2/4/2019	5-25	26.47	< >	11.72	0.00	14.75	**140**	**210**	**27 J**	**480**	<1.0	<1.0	<1.0	<1.0	**5.6**	**630**	<1.0	**8.7**	**5.0**	<2.0	<2.0	**59 J**	**6.3 J**
VEW-1	2/4/2019	5-15	24.53	NGVD 29	9.25	0.00	15.28	**47 J**	**3300**	**19 J**	**3,600**	<1.0	<1.0	<1.0	<1.0	**2.8**	**35**	<1.0	<0.50	<2.0	<2.0	<2.0	<100	<10
Deep Zone																								
MW-1	2/4/2019	30-40	26.68	NAVD 88	9.86	0.00	16.82	<50	**32 J**	<49	**42 J**	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<0.50	<2.0	<2.0	<2.0	<100	<10
MW-14D	2/4/2019	30-40	27.67	NAVD 88	11.55	0.00	16.12	**37 J**	**42 J**	<50	**73**	<1.0	<1.0	<1.0	<1.0	**0.18 J**	**38**	<1.0	**14**	**1.3 J**	<2.0	<2.0	<100	<10
MW-15D	2/4/2019	30-40	27.13	NAVD 88	10.00	0.00	17.13	<50	**20 J**	<49	<49	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	**0.65**	<2.0	<2.0	<2.0	<100	<10
MW-16D	2/4/2019	30-40	26.61	NAVD 88	8.95	0.00	17.66	**4,100**	**200**	**570**	**1,900**	**1,800**	**23**	**80**	**17 JA**	**14**	**270**	<10	<5.0	<20	<20	<20	<1,000	**110**
MW-17D	2/4/2019	30-40	27.05	NAVD 88	9.96	0.00	17.09	<50	<50	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<0.50	<2.0	<2.0	<2.0	<100	<10
MW-18D	2/4/2019	30-40	26.38	NAVD 88	7.63	0.00	18.75	**95**	**83**	<50	**170**	<1.0	<1.0	<1.0	<1.0	**3.6**	**14**	<1.0	<0.50	<2.0	<2.0	<2.0	<100	<10
MW-21D	2/4/2019	35-40	27.12	NAVD 88	11.73	0.00	15.39	<50	<48	<48	<48	<1.0	<1.0	<1.0	<1.0	<1.0	**220**	<1.0	<0.50	<2.0	<2.0	<2.0	**78 J**	<10
MW-23D	2/5/2019	26-29	27.39	NAVD 88	9.94	0.00	17.45	<50	<48	<48	<48	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<0.50	<2.0	<2.0	<2.0	<100	<10
MW-24D	2/5/2019	26-29	28.02	NAVD 88	12.25	0.00	15.77	**400**	**28 J**	**34 J**	**160**	**13**	**2.5**	**6.1**	**11**	<1.0	**49**	<1.0	**2.4**	<2.0	<2.0	<2.0	<100	<10

Notes:

MW = Groundwater monitoring well
TOC = Top of casing
DTW = Depth to groundwater
ft bTOC = Feet below top of casing
ft = Feet
PSH = Phase separate hydrocarbons
GW Elev = Groundwater elevation
µg/L = Micrograms per liter
<50 = Not detected at or above the Practical Quantitation Limit (PQL)
Bold = Value exceeds Practical Quantitation Limit (PQL)
DRY = Dry well
-- = Not sampled/ not measured
< > = Datum Unknown
NAVD 88 = North American Vertical Datum of 1988
NGVD 29 = National Geodetic Vertical Datum of 1929

TPH-g = Total petroleum hydrocarbons as gasoline was analyzed by USEPA Method 8015B(M)
TPH-g,TPH-Jet A and TPH-d were analyzed by USEPA Method 8015B(M)
Benzene, toluene, ethylbenzene and total xylenes (collectively BTEX) was analyzed by USEPA Method 8260B
MTBE = Methyl tert-butyl ether
TBA = Tert-butanol or tertiary butyl alcohol
EDB = 1,2-Dibromoethane
EDC = 1,2-Dichloroethane
DIPE = Di-isopropyl ether
ETBE = Ethyl tert-butyl ether
TAME = Tert-amyl methyl ether
Ethanol
Naphthalene
J = Estimated value (between PQL and Method Detection Limit)
JA = Analyte positively identified but quantitation is an estimate

Table 3. Current Carbon Chain Data
Chevron Site No. 306600
3501 Cerritos Avenue, Los Alamitos, California

Well ID	Sample Date	C4-C5 Petroleum Hydrocarbons	C6 Petroleum Hydrocarbons	C7 Petroleum Hydrocarbons	C8 Petroleum Hydrocarbons	C9-C10 Petroleum Hydrocarbons	C11-C12 Petroleum Hydrocarbons	C13-C14 Petroleum Hydrocarbons	C15-C16 Petroleum Hydrocarbons	C17-C18 Petroleum Hydrocarbons	C19-C20 Petroleum Hydrocarbons	C21-C22 Petroleum Hydrocarbons	C23-C24 Petroleum Hydrocarbons	C25-C26 Petroleum Hydrocarbons	C27-C28 Petroleum Hydrocarbons	C29-C30 Petroleum Hydrocarbons	C31-C32 Petroleum Hydrocarbons	C33-C34 Petroleum Hydrocarbons	C35-C36 Petroleum Hydrocarbons	C37-C38 Petroleum Hydrocarbons	C39-C40 Petroleum Hydrocarbons	C4-C12 Petroleum Hydrocarbons, Gasoline	C13-C22 Petroleum Hydrocarbons, Diesel	C23-C40 Petroleum Hydrocarbons, Motot Oil	C13-C40 Petroleum Hydrocarbons
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Shallow zone																										
MW-2	2/4/2019	**94**	**36 J**	**98**	**68**	**200**	**510**	**150**	**59**	**29 J**	**22 J**	<47	<47	<47	<47	<47	<47	<47	<47	<47	<47	**1,000**	**270**	**17 J**	**290**
MW-5	2/4/2019	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	**21 J**	<50	<50	**17 J**
MW-6	2/5/2019	<50	<50	<50	<50	<50	<50	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<50	<45	<45	<45
MW-7	2/5/2019	<50	<50	<50	<50	<50	<50	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<50	<49	<49	<49
MW-13	2/5/2019	<50	<50	<50	<50	<50	<50	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	**21 J**	**31 J**	<45	**37 J**
MW-14	2/4/2019	**5,700**	**8,100**	**1,800**	**3,100**	**1,200**	**3,100**	**190**	**19 J**	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	**23,000**	**220**	<50	**220**
MW-14 (DUP)	2/4/2019	**3,400**	**4,900**	**1,100**	**1,900**	**850**	**2,000**	**190**	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	**14,000**	**210**	<49	**210**
MW-15	2/5/2019	**1,100**	**2,100**	**180**	**270**	**250**	**500**	**55**	<47	<47	<47	<47	<47	<47	<47	<47	<47	<47	<47	<47	<47	**4,400**	**77**	<47	**85**
MW-16	2/4/2019	**560**	**270**	**62**	**57**	**77**	**190**	**40 J**	<46	<46	<46	<46	<46	<46	<46	<46	<46	<46	<46	<46	<46	**1,200**	**47**	<46	**49**
MW-16 (DUP)	2/4/2019	**650**	**320**	**71**	**67**	**84**	**220**	**43 J**	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	**1,400**	**49 J**	<50	**53**
MW-17	2/4/2019	**530**	**300**	**87**	**35 J**	**83**	**100**	**50 J**	**16 J**	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	**1,100**	**76**	<50	**79**
MW-18	2/4/2019	**15 J**	<50	<50	<50	<50	<50	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	**53**	<45	<45	<45
MW-19	2/4/2019	**14,000**	**21,000**	**2,200**	**2,100**	**1,200**	**2,000**	**280**	**74**	**25 J**	**16 J**	<47	<47	<47	<47	<47	<47	<47	<47	<47	<47	**43,000**	**410**	<47	**410**
MW-20	2/4/2019	**460**	**630**	**64**	**190**	**66**	**140**	**290**	**57**	**18 J**	<47	<47	<47	<47	<47	<47	<47	<47	<47	<47	<47	**1,600**	**370**	<47	**370**
MW-21S	2/4/2019	**40 J**	**27 J**	**29 J**	**19 J**	**20 J**	**39 J**	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	**170**	<50	<50	**25 J**
MW-22	2/5/2019	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
MW-23S	2/5/2019	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
MW-23M	2/5/2019	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
MW-24S	2/5/2019	**41 J**	**61**	**31 J**	**25 J**	**99**	**140**	**19 J**	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	**390**	**30 J**	<50	**42 J**
MW-24M	2/5/2019	**250**	**210**	**91**	**72**	**150**	**270**	**36 J**	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	**1,000**	**56**	<49	**58**
RMC-5	2/4/2019	**280**	**49 J**	**78**	**61**	**150**	**350**	**120**	**29 J**	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	**970**	**160**	<49	**170**
RMC-6	2/4/2019	**45 J**	**38 J**	<50	**17 J**	**29 J**	**30 J**	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	**170**	**24 J**	**20 J**	**43 J**
RMC-7	2/4/2019	**22 J**	<50	<50	<50	<50	**53**	**97**	**57**	**29 J**	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	**120**	**210**	<50	**210**
VEW-1	2/4/2019	<50	<50	<50	<50	<50	**23 J**	**43 J**	**3,300**	<46	<46	<46	<46	<46	<46	<46	<46	<46	<46	<46	<46	**47 J**	**3,300**	**32 J**	**3,400**
Deep Zone																									
MW-1	2/4/2019	<50	<50	<50	<50	<50	<50	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<50	**32 J**	<49	**42 J**
MW-14D	2/4/2019	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	**39 J**	**42 J**	<50	**47 J**
MW-15D	2/4/2019	<50	<50	<50	<50	<50	<50	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<50	**20 J**	<49	**21 J**
MW-16D	2/4/2019	**890**	**2,400**	**150 J**	<500	<500	**410 J**	**130**	**41 J**	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	**4,100**	**200**	<48	**200**
MW-17D	2/4/2019	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
MW-18D	2/4/2019	**22 J**	<50	<50	<50	<50	**45 J**	**42 J**	**27 J**	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	**92**	**83**	<50	**86**
MW-21D	2/4/2019	<50	<50	<50	<50	<50	<50	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<50	<48	<48	**15 J**
MW-23D	2/5/2019	<50	<50	<50	<50	<50	<50	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<50	<48	<48	**20 J**
MW-24D	2/5/2019	**120**	**90**	**44 J**	**38 J**	**42 J**	**72**	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	**410**	**28 J**	<49	**31 J**

Notes:

MW = Groundwater monitoring well
µg/L = Micrograms per liter
<14 = Not detected at or above the Practical Quantitation Limit (PQL)
Bold = Value exceeds Practical Quantitation Limit (PQL)
-- = Not sampled/not measured
J = Estimated value (between laboratory reporting limit and Practical Quantitation Limit (PQL)

Table 2. Historical Groundwater Gauging and Analytical Results
Third Quarter 1998 to Current
Chevron Site No. 306600
3501 Cerritos Avenue, Los Alamitos, California

Well ID	Sample Date	Screen Interval (ft bTOC)	TOC (ft)	DTW (ft bTOC)	PSH thickness (ft)	PSH recovered (gal)	GW Elev (ft)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-d w/SGC (µg/L)	TPH-Jet A (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8260B) (µg/L)	MTBE (8021) (µg/L)	TBA (µg/L)	EDB (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Naphthalene	Comments
AS-2	11/9/2001	21-26	25.72	27.80	0.00	0.00	-2.08	**2,600**	--	--	--	**38**	**110**	**18**	**250**	<3.0	--	**530**	--	--	<5.0	<5.0	<5.0	--	--	Abandoned
MP-1	7/6/1998	12-17	25.90	10.41	0.00	0.00	15.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Monitored Only
MP-1	11/13/1998	12-17	25.90	12.10	0.00	0.00	13.80	**79,000**	--	--	--	**9,000**	**17,000**	**2,300**	**11,000**	--	**6,700**	--	--	--	--	--	--	--	--	Sample Collected at 15 ft below TOC
MP-1	1/11/1999	12-17	25.90	12.38	0.00	0.00	13.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Monitored Only
MP-1	6/7/1999	12-17	25.90	11.98	0.00	0.00	13.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Monitored Only
MP-1	7/14/1999	12-17	25.90	12.20	0.00	0.00	13.70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Monitored Only
MP-1	10/20/1999	12-17	25.90	13.22	0.00	0.00	12.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Monitored Only
MP-1	1/5/2000	12-17	25.90	13.45	0.00	0.00	12.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Monitored Only
MP-1	5/12/2000	12-17	25.90	18.09	0.00	0.00	7.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Monitored Only
MP-1	8/3/2000	12-17	25.90	17.97	0.00	0.00	7.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MP-1	11/2/2000	12-17	25.90	13.20	0.00	0.00	12.70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Monitored Only
MP-1	3/2/2001	12-17	25.90	10.08	0.00	0.00	15.82	**11,000**	--	--	--	**3,000**	**780**	**260**	**1,300**	**19**	--	**520**	--	--	<10	<10	<10	--	--	
MP-1	5/29/2001	12-17	25.90	11.80	0.00	0.00	14.10	**12,000**	--	--	--	**4,000**	**1,100**	**380**	**1,300**	<30	--	<3,000	--	--	<50	<50	<50	--	--	
MP-1	8/2/2001	12-17	25.90	12.92	0.00	0.00	12.98	**9,400**	--	--	--	**2,100**	**430**	**250**	**1,300**	<30	--	<3,000	--	--	<50	<50	<50	--	--	
MP-1	11/9/2001	12-17	25.90	--	0.00	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry at 16.90 ft below TOC
MP-1	2/9/2002	12-17	25.90	15.65	0.00	0.00	10.25	<50	--	--	--	**2.0**	<0.50	<0.50	<1.0	<0.50	--	<50	--	--	<1.0	<1.0	<1.0	--	--	
MP-1	5/10/2002	12-17	25.90	15.79	0.00	0.00	10.11	<50	--	--	--	<0.50	<0.50	<0.50	<1.0	<0.50	--	<50	--	--	<1.0	<1.0	<1.0	--	--	
MP-1	8/1/2002	12-17	25.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry Well
MP-1	11/7/2002	12-17	25.90	--	0.00	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry Well
MP-1	1/17/2003	12-17	25.90	12.66	0.00	0.00	13.24	**990**	--	--	--	**2.0**	**5.8**	**44**	**150**	**0.74**	--	<50	--	--	<1.0	<1.0	<1.0	--	--	
MP-1	5/9/2003	12-17	25.90	13.40	0.00	0.00	12.50	**1,500**	--	--	--	**57**	**15**	**51**	**73**	**72**	--	**150**	--	--	<5.0	<5.0	<5.0	--	--	
MP-1	7/16/2003	12-17	25.90	15.05	0.00	0.00	10.85	**370**	--	--	--	**2.7**	<2.0	**18**	**9.0**	**16**	--	<50	--	--	<5.0	<5.0	<5.0	--	--	
MP-1	11/24/2003	12-17	25.90	13.20	0.00	0.00	12.70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MP-1	3/11/2004	12-17	25.90	14.01	0.00	0.00	11.89	**530**	--	--	--	**9.8**	<2.0	**29**	**9.1**	**48**	--	<50	--	--	<5.0	<5.0	<5.0	--	--	
MP-1	6/2/2004	12-17	25.90	12.93	0.00	0.00	12.97	**96**	--	--	--	**15**	<2.0	**61**	**27**	**58**	--	<50	--	--	<5.0	<5.0	<5.0	--	--	
MP-1	9/14/2004	12-17	25.90	13.54	0.00	0.00	12.36	**1,000**	--	--	--	**91**	**47**	**55**	**130**	**60**	--	**120**	--	--	<5.0	<5.0	<5.0	--	--	
MP-1	11/30/2004	12-17	25.90	13.10	0.00	0.00	12.80	**1,200**	--	--	--	**3.3**	**0.80 J**	**2.1**	**3.0 J**	**16**	--	<50	--	--	<5.0	<5.0	<5.0	--	--	
MP-1	2/16/2005	12-17	25.90	9.71	0.00	0.00	16.19	**580**	--	--	--	**85**	**86**	**33**	**90**	**27**	--	**47 J**	--	--	<0.25	<0.28	<0.33	--	--	Abandoned
MP-2	7/6/1998	5.5-10.5	25.71	10.04	0.00	0.00	15.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Monitored Only
MP-2	11/13/1998	5.5-10.5	25.71	11.45	0.00	0.00	14.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Enough Water to Sample
MP-2	1/11/1999	5.5-10.5	25.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry Well
MP-2	6/7/1999	5.5-10.5	25.71	11.45	0.00	0.00	14.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Monitored Only
MP-2	7/14/1999	5.5-10.5	25.71	11.47	0.00	0.00	14.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Monitored Only
MP-2	10/20/1999	5.5-10.5	25.71	11.49	0.00	0.00	14.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Monitored Only
MP-2	1/5/2000	5.5-10.5	25.71	11.52	0.00	0.00	14.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Monitored Only
MP-2	5/12/2000	5.5-10.5	25.71	11.52	0.00	0.00	14.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Monitored Only
MP-2	8/3/2000	5.5-10.5	25.71	11.55	0.00	0.00	14.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MP-2	11/2/2000	5.5-10.5	25.71	10.94	0.00	0.00	14.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Monitored Only
MP-2	3/2/2001	5.5-10.5	25.71	11.02	0.00	0.00	14.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Enough Water to Sample
MP-2	5/29/2001	5.5-10.5	25.72	11.50	0.00	0.00	14.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Enough Water to Sample
MP-2	8/2/2001	5.5-10.5	25.72	11.50	0.00	0.00	14.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Enough Water to Sample
MP-2	2/9/2002	5.5-10.5	25.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
MP-2	5/10/2002	5.5-10.5	25.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry Well
MP-2	8/1/2002	5.5-10.5	25.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry Well
MP-2	11/7/2002	5.5-10.5	25.72	--	0.00	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry Well
MP-2	1/17/2003	5.5-10.5	25.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry Well
MP-2	5/9/2003	5.5-10.5	25.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry Well
MP-2	7/16/2003	5.5-10.5	25.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**Dry Well**
MP-2	11/24/2003	5.5-10.5	25.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry Well
MP-2	3/11/2004	5.5-10.5	25.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry Well
MP-2	6/2/2004	5.5-10.5	25.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry Well
MP-2	9/14/2004	5.5-10.5	25.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry Well
MP-2	2/16/2005	5.5-10.5	25.72	9.29	0.00	0.00	16.43	**230**	--	--	--	**48**	**31**	**21**	**33**	**0.35 J**	--	<3.1	--	--	<0.25	<0.28	<0.33	--	--	Abandoned
MP-3	7/6/1998	17-22	25.63	11.14	0.00	0.00	14.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Monitored Only
MP-3	11/13/1998	17-22	25.63	12.09	0.00	0.00	13.54	**100,000**	--	--	--	**18,000**	**22,000**	**2,200**	**13,000**	--	**1,700**	--	--	--	--	--	--	--	--	Sample Collected at 20 ft below TOC
MP-3	1/11/1999	17-22	25.63	12.22	0.00	0.00	13.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Monitored Only
MP-3	6/7/1999	17-22	25.63	11.78	0.00	0.00	13.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Monitored Only
MP-3	7/14/1999	17-22	25.63	12.06	0.00	0.00	13.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Monitored Only
MP-3	10/20/1999	17-22	25.63	13.13	0.00	0.00	12.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Monitored Only
MP-3	1/5/2000	17-22	25.63	13.30	0.00	0.00	12.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Monitored Only
MP-3	5/12/2000	17-22	25.63	19.40	0.00	0.00	6.23	**43,000**	--	--	--	**7,900**	**12,000**	**1,300**	**7,500**	--	**490**	--	--	--	--	--	--	--	--	No Purge Sample
MP-3	8/3/2000	17-22	25.63	19.16	0.00	0.00	6.47	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MP-3	8/28/2000	17-22	25.63	11.58	0.00	0.00	14.05	**68,000**	--	--	--	**5,700**	**7,100**	**2,000**	**12,000**	--	**2,600**	--	--	--	--	--	--	--	--	
MP-3	11/2/2000	17-22	25.63	13.92	0.00	0.00	11.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Monitored Only
MP-3	3/2/2001	17-22	25.63	9.31	0.00	0.00	16.32	**50,000**	--	--	--	**8,300**	**11,000**	**760**	**7,000**	**3,300**	--	**2,700**	--	--	<1.0	<1.0	<30	--	--	
MP-3	5/29/2001	17-22	25.63	12.77	0.00	0.00	12.86	**50,000**	--	--	--	**12,000**	**8,600**	**940**	**3,900**	**3,200**	--	<10,000	--	--	<200	<200	<200	--	--	
MP-3	8/2/2001	17-22	25.63	12.86	0.00	0.00	12.77	**75,000**	--	--	--	**19,000**	**17,000**	**1,700**	**9,100**	**4,600**	--	<20,000	--	--	<300	<300	<300	--	--	
MP-3	11/9/2001	17-22	25.63	16.55	0.00	0.00	9.08	**79,000**	--	--	--	**18,000**	**21,000**	**2,400**	**15,000**	**1,300**	--	<20,000	--	--	<300	<300	<300	--	--	
MP-3	2/9/2002	17-22	25.63	16.23	0.00	0.00	9.40	**24,000**	--	--	--	**3,200**	**4,200**	**440**	**4,400**	**360**	--	<3,000	--	--	<50	<50	<50	--	--	
MP-3	5/10/2002	17-22	25.63	16.65	0.00	0.00	8.98	**34,000**	--	--	--	**4,100**	**5,100**	**390**	**3,000**	**880**	--	<2,000	--	--	<30	<30	<30	--	--	
MP-3	8/1/2002	17-22	25.63	16.16	0.00	0.00	9.47	**38,000**	--	--	--	**5,100**	**8,500**	**420**	**3,900**	**350**	--	<2,000	--	--	<30	<30	<30	--	--	
MP-3	11/7/2002	17-22	25.63	18.18	0.00	0.00	7.45	**1,700**	--	--	--	**240**	**150**	**8.7**	**230**	**120**	--	<500	--	--	<10	<20	<20	--	--	
MP-3	1/17/2003	17-22	25.63	14.08	0.00	0.00	11.55	**12,000**	--	--	--	**1,400**	**1,800**	**340**	**2,100**	**69**	--	<500	--	--	<10	<10	<10	--	--	
MP-3	5/9/2003	17-22	25.63	13.15	0.00	0.00	12.48	**24,000**	--	--	--	**4,000**	**5,600**	**620**	**4,500**	**550**	--	<5,000	--	--	<500	<500	<500	--	--	
MP-3	7/16/2003	17-22	25.63	16.40	0.00	0.00	9.23	**28,000**	--	--	--	**5,500**	**7,700**	**650**	**6,500**	**840**	--	<5,000	--	--	<500	<500	<500	--	--	
MP-3	11/24/2003	17-22	25.63	14.28	0.00	0.00	11.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MP-3	3/11/2004	17-22	25.63	15.13	0.00	0.00	10.50	**26,000**	--	--	--	**5,800**	**6,000**	**940**	**5,300**	**1,100**	--	<5,000	--	--	<500	<500	<500	--	--	
MP-3	6/2/2004	17-22	25.63	14.70	0.00	0.00	10.93	**13,000**	--	--	--	**2,500**	**2,200**	**400**	**2,500**	**660**	--	<2,500	--	--	<250	<250	<250	--	--	
MP-3	9/14/2004	17-22	25.63	15.61	0.00	0.00	10.02	**21,000**	--	--	--	**5,100**	**2,600**	**1,100**	**5,200**	**890**	--	**1,300 J**	--	--	<500	<500	<500	--	--	
MP-3	11/30/2004	17-22	25.63	14.15	0.00	0.00	11.48	**14,000**	--	--	--	**3,100**	**640**	**350**	**1,900**	**750**	--	**3,000**	--	--	<100	<100	<100	--	--	
MP-3	2/16/2005	17-22	25.63	12.79	0.00	0.00	12.84	**3,700**	--	--	--	**1,300**	**460**	**110**	**500**	**270**	--	**1,400**	--	--	<1.0	<1.1	<1.3	--	--	Abandoned
MP-4	5/12/2000	20-25	--	19.50	0.00	0.00	--	**140,000**	--	--	--	**32,000**	**49,000**	**3,000**	**19,000**	--	**2,500**	--	--	--	--	--	--	--	--	No Purge Sample
MP-4	8/3/2000	20-25	--	16.58	0.00	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

Well ID	Sample Date	Screen Interval (ft bTOC)	TOC (ft)	DTW (ft bTOC)	PSH thickness (ft)	PSH recovered (gal)	GW Elev (ft)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-d w/SGC (µg/L)	TPH-Jet A (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8260B) (µg/L)	MTBE (8021) (µg/L)	TBA (µg/L)	EDB (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Naphthalene	Comments
MP-4	8/28/2000	20-25	--	--	--	--	--	**140,000**	--	--	--	**38,000**	**65,000**	**3,600**	**22,000**	--	**320**	--	--	--	--	--	--	--	--	
MP-4	11/2/2000	20-25	--	15.86	0.00	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Monitored Only
MP-4	3/2/2001	20-25	--	9.90	0.00	0.00	--	**130,000**	--	--	--	**18,000**	**31,000**	**2,000**	**13,000**	**1,500**	--	**1,200**	--	--	<10	<10	<10	--	--	
MP-4	5/29/2001	20-25	26.10	14.03	0.00	0.00	12.07	**130,000**	--	--	--	**21,000**	**33,000**	**2,500**	**15,000**	**960**	--	<20,000	--	--	<300	<300	<300	--	--	
MP-4	8/2/2001	20-25	26.10	13.11	0.00	0.00	12.99	**120,000**	--	--	--	**23,000**	**42,000**	**3,000**	**19,000**	**1,200**	--	<30,000	--	--	<500	<500	<500	--	--	
MP-4	11/9/2001	20-25	26.10	25.45	0.00	0.00	10.65	**7,700**	--	--	--	**790**	**2,400**	**440**	**2,600**	<10	--	<1,000	--	--	<20	<20	<20	--	--	
MP-4	2/9/2002	20-25	26.10	15.61	0.00	0.00	10.49	**2,600**	--	--	--	**280**	**600**	**41**	**540**	**6.5**	--	**180**	--	--	<1.0	<1.0	<1.0	--	--	
MP-4	5/10/2002	20-25	26.10	19.11	0.00	0.00	6.99	**10,000**	--	--	--	**510**	**990**	**170**	**1,200**	**3.7**	--	**170**	--	--	<1.0	<1.0	<1.0	--	--	
MP-4	8/1/2002	20-25	26.10	16.81	0.00	0.00	9.29	**4,700**	--	--	--	**1,100**	**460**	**70**	**630**	**12**	--	<300	--	--	<5.0	<5.0	<5.0	--	--	
MP-4	11/7/2002	20-25	26.10	16.55	0.00	0.00	9.55	**3,800**	--	--	--	**940**	**120**	**43**	**240**	**91**	--	**330**	--	--	<5.0	<10	<10	--	--	
MP-4	1/17/2003	20-25	26.10	12.62	0.00	0.00	13.48	**9,300**	--	--	--	**3,100**	**210**	**280**	**1,200**	**130**	--	**1,100**	--	--	<20	<20	<20	--	--	
MP-4	5/9/2003	20-25	26.10	11.30	0.00	0.00	14.80	**2,500**	--	--	--	**170**	**3.8**	<2.0	**230**	**72**	--	**490**	--	--	<5.0	<5.0	<5.0	--	--	
MP-4	7/16/2003	20-25	26.10	14.52	0.00	0.00	11.58	**6,400**	--	--	--	**1,200**	**870**	**280**	**1,400**	**60**	--	<500	--	--	<50	<50	<50	--	--	
MP-4	11/24/2003	20-25	26.10	14.60	0.00	0.00	11.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MP-4	3/11/2004	20-25	26.10	12.99	0.00	0.00	13.11	**740**	--	--	--	**63**	**13**	**2.9**	**80**	**75**	--	**460**	--	--	<5.0	<5.0	<5.0	--	--	
MP-4	6/2/2004	20-25	26.10	12.90	0.00	0.00	13.20	**16,000**	--	--	--	**6,900**	**3,000**	**420**	**2,600**	<500	--	<5,000	--	--	<500	<500	<500	--	--	
MP-4	9/14/2004	20-25	26.10	13.55	0.00	0.00	12.55	**23,000**	--	--	--	**8,300**	**1,800**	**530**	**2,400**	**370 J**	--	**590 J**	--	--	<500	<500	<500	--	--	
MP-4	11/30/2004	20-25	26.10	13.12	0.00	0.00	12.98	**22,000**	--	--	--	**8,200**	**710**	**510**	**3,000**	**320**	--	**1,100**	--	--	<100	<100	<100	--	--	
MP-4	2/16/2005	20-25	26.10	9.72	0.00	0.00	16.38	**7,800**	--	--	--	**4,800**	**170**	**91**	**740**	**240**	--	**430 J**	--	--	<2.5	<2.8	<2.8	--	--	Abandoned
MW-1	3/31/1995	30-40	--	10.04	0.00	0.00	--	**1,600**	--	--	--	**2.2**	**2.4**	**4.0**	**9.2**	--	--	--	--	--	--	--	--	--	--	
MW-1	6/27/1995	30-40	--	10.78	0.00	0.00	--	**750**	--	--	--	**1.5**	**2.6**	**1.1**	**8.1**	--	--	--	--	--	--	--	--	--	--	
MW-1	9/22/1995	30-40	24.34	11.65	0.00	0.00	12.69	**670**	--	--	--	**0.70**	**1.1**	ND	**5.3**	--	--	--	--	--	--	--	--	--	--	
MW-1	12/7/1995	30-40	24.34	12.21	0.00	0.00	12.13	**790**	--	--	--	**0.80**	**1.2**	ND	**4.7**	--	--	--	--	--	--	--	--	--	--	
MW-1	3/19/1996	30-40	24.34	10.89	0.00	0.00	13.45	**500**	--	--	--	**0.70**	ND	ND	**3.6**	--	--	--	--	--	--	--	--	--	--	
MW-1	5/29/1996	30-40	24.34	11.32	0.00	0.00	13.02	**640**	--	--	--	**0.60**	ND	ND	**4.6**	--	ND	--	--	--	--	--	--	--	--	
MW-1	8/6/1996	30-40	24.34	11.95	0.00	0.00	12.39	**420**	--	--	--	ND	ND	**1.2**	**7.0**	--	ND	--	--	--	--	--	--	--	--	
MW-1	11/26/1996	30-40	24.34	11.79	0.00	0.00	12.55	**430**	--	--	--	ND	**1.2**	ND	**9.4**	--	**13**	--	--	--	--	--	--	--	--	
MW-1	2/6/1997	30-40	24.34	10.05	0.00	0.00	14.29	ND	--	--	--	ND	ND	ND	**1.5**	--	ND	--	--	--	--	--	--	--	--	
MW-1	5/19/1997	30-40	24.34	11.05	0.00	0.00	13.29	ND	--	--	--	ND	ND	ND	ND	--	ND	--	--	--	--	--	--	--	--	
MW-1	8/7/1997	30-40	24.34	11.72	0.00	0.00	12.62	170	--	--	--	ND	ND	ND	ND	--	ND	--	--	--	--	--	--	--	--	
MW-1	11/17/1997	30-40	24.34	12.29	0.00	0.00	12.05	**370**	--	--	--	ND	ND	**3.6**	ND	--	ND	--	--	--	--	--	--	--	--	
MW-1	1/12/1998	30-40	24.34	11.13	0.00	0.00	13.21	**300**	--	--	--	**5.3**	**4.7**	**5.2**	**6.7**	--	ND	--	--	--	--	--	--	--	--	
MW-1	4/7/1998	30-40	24.34	8.67	0.00	0.00	15.67	**480**	--	--	--	**4.6**	**1.8**	**1.8**	**29**	--	**97**	--	--	--	--	--	--	--	--	
MW-1	7/6/1998	30-40	24.34	9.68	0.00	0.00	14.66	**260**	--	--	--	**0.52**	ND	**3.9**	**5.0**	--	ND	--	--	--	--	--	--	--	--	
MW-1	11/13/1998	30-40	24.34	10.97	0.00	0.00	13.37	**300**	--	--	--	**0.33**	ND	**2.7**	**9.2**	--	**7.8**	--	--	--	--	--	--	--	--	
MW-1	1/11/1999	30-40	24.34	10.93	0.00	0.00	13.41	**280**	--	--	--	**0.61**	ND	**3.7**	**5.1**	--	ND	--	--	--	--	--	--	--	--	
MW-1	6/7/1999	30-40	24.34	10.49	0.00	0.00	13.85	**260**	--	--	--	ND	ND	**2.4**	ND	--	ND	--	--	--	--	--	--	--	--	
MW-1	7/14/1999	30-40	24.34	10.94	0.00	0.00	13.40	**2,000**	--	--	--	**230**	**570**	**66**	**290**	--	**32**	--	--	--	--	--	--	--	--	
MW-1	10/20/1999	30-40	24.34	12.06	0.00	0.00	12.28	**310**	--	--	--	**0.71**	**0.54**	**4.4**	**5.5**	--	ND	--	--	--	--	--	--	--	--	
MW-1	1/5/2000	30-40	24.34	12.01	0.00	0.00	12.33	**290**	--	--	--	**0.46**	<0.30	**2.9**	<0.6	--	<5.0	--	--	--	--	--	--	--	--	
MW-1	5/12/2000	30-40	24.34	11.62	0.00	0.00	12.72	**400**	--	--	--	<0.30	**0.36**	**5.8**	**19**	--	<5.0	--	--	--	--	--	--	--	--	
MW-1	8/3/2000	30-40	24.34	12.29	0.00	0.00	12.05	**190**	--	--	--	<0.30	<0.30	**2.1**	**2.8**	--	<5.0	--	--	--	--	--	--	--	--	
MW-1	11/2/2000	30-40	24.34	11.95	0.00	0.00	12.39	**230**	--	--	--	<0.30	<0.30	**2.8**	**2.5**	--	<5.0	--	--	--	--	--	--	--	--	
MW-1	3/2/2001	30-40	24.34	9.45	0.00	0.00	14.89	**250**	--	--	--	<0.50	<0.50	<0.50	<1.0	<0.50	--	**76**	--	--	**25**	<1.0	<1.0	--	--	
MW-1	5/29/2001	30-40	24.34	10.82	0.00	0.00	13.52	**250**	--	--	--	<0.50	<0.50	<0.50	<1.0	<0.50	--	<50	--	--	**26**	<1.0	<1.0	--	--	
MW-1	8/2/2001	30-40	24.34	11.50	0.00	0.00	12.84	**170**	--	--	--	<0.50	<0.50	<0.50	<1.0	<0.50	--	**67**	--	--	**26**	<1.0	<1.0	--	--	
MW-1	11/9/2001	30-40	24.34	12.66	0.00	0.00	11.68	**150**	--	--	--	<0.50	<0.50	<0.50	<1.0	**0.61**	--	<50	--	--	**33**	<1.0	<1.0	--	--	
MW-1	2/9/2002	30-40	24.32	12.61	0.00	0.00	11.71	**360**	--	--	--	<0.50	**0.67**	<0.50	**1.1**	<0.50	--	<50	--	--	**34**	<1.0	<1.0	--	--	
MW-1	5/10/2002	30-40	24.32	12.61	0.00	0.00	11.71	**210**	--	--	--	<0.50	<0.50	<0.50	**1.2**	<0.50	--	<50	--	--	**30**	<1.0	<1.0	--	--	
MW-1	8/1/2002	30-40	24.32	13.05	0.00	0.00	11.27	**130**	--	--	--	<0.50	<0.50	<0.50	<1.0	<0.50	--	<50	--	--	**25**	<1.0	<1.0	--	--	
MW-1	11/7/2002	30-40	24.32	13.12	0.00	0.00	11.2	**110**	--	--	--	<0.50	**0.51**	<0.50	<1.0	<0.50	--	<50	--	--	**27**	<2.0	<2.0	--	--	
MW-1	1/17/2003	30-40	24.32	11.45	0.00	0.00	12.87	**94**	--	--	--	<0.50	<0.50	<0.50	<1.0	<0.50	--	**50**	--	--	**18**	<1.0	<1.0	--	--	
MW-1	5/9/2003	30-40	24.32	10.53	0.00	0.00	13.79	**57**	--	--	--	<2.0	<2.0	<2.0	<4.0	<5.0	--	<50	--	--	**27**	<5.0	<5.0	--	--	
MW-1	7/16/2003	30-40	24.32	11.50	0.00	0.00	12.82	**200**	--	--	--	<2.0	<2.0	<2.0	<4.0	<5.0	--	<50	--	--	**38**	<5.0	<5.0	--	--	
MW-1	11/24/2003	30-40	24.32	11.54	0.00	0.00	12.78	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	3/11/2004	30-40	24.32	12.54	0.00	0.00	11.78	**5,100**	--	--	--	**1,600**	**20**	**35**	<40	**270**	--	**5,000**	--	--	<50	<50	<50	--	--	
MW-1	6/2/2004	30-40	24.32	11.58	0.00	0.00	12.74	<50	--	--	--	<2.0	<2.0	<2.0	<4.0	<5.0	--	<50	--	--	<5.0	<5.0	<5.0	--	--	
MW-1	9/14/2004	30-40	24.32	12.27	0.00	0.00	12.05	**220**	--	--	--	**24**	**12**	**8.4**	**25**	<5.0	--	**33 J**	--	--	**26**	<5.0	<5.0	--	--	
MW-1	11/30/2004	30-40	24.32	11.91	0.00	0.00	12.41	<50	--	--	--	**0.38 J**	<2.0	<2.0	<4.0	<5.0	--	<50	--	--	<5.0	<5.0	<5.0	--	--	
MW-1	2/16/2005	30-40	24.32	9.14	0.00	0.00	15.18	**38 J**	--	--	--	**0.81 J**	<0.36	**16**	<0.502	<0.32	--	<3.1	--	--	<0.25	<0.28	<0.33	--	--	
MW-1	8/25/2005	30-40	24.32	9.80	0.00	0.00	14.52	**170**	--	--	--	<0.28	<0.36	<0.25	<0.502	<0.32	--	**13 J**	--	--	**32**	<0.28	<0.33	--	--	
MW-1	11/15/2005	30-40	24.32	10.15	0.00	0.00	14.17	<24	--	--	--	<0.28	<0.36	<0.25	<0.502	<0.32	--	<3.1	--	--	<0.25	<0.28	<0.33	--	--	
MW-1	2/21/2006	30-40	26.68	10.14	0.00	0.00	16.54	**260**	--	--	--	**23**	**10**	**2.0**	**11**	**2.7 J**	--	<3.1	--	--	**36**	<0.28	<0.33	--	--	
MW-1	5/16/2006	30-40	26.68	9.38	0.00	0.00	17.30	**130**	--	--	--	**11**	**8.2**	**2.7**	**12**	<0.32	--	<3.1	--	--	<0.25	<0.28	<0.33	--	--	
MW-1	8/15/2006	30-40	26.68	10.16	0.00	0.00	16.52	**30J**	--	--	--	<0.28	<0.36	<0.25	<0.90	<0.32	--	<3.1	--	--	<0.25	<0.28	<0.33	--	--	
MW-1	11/21/2006	30-40	26.68	10.79	0.00	0.00	15.89	<20	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-1	2/13/2007	30-40	26.68	10.72	0.00	0.00	15.96	<20	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-1	5/22/2007	30-40	26.68	10.72	0.00	0.00	15.96	<20	**130**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-1	8/9/2007	30-40	26.68	11.25	0.00	0.00	15.43	**180**	**1,100**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**6.0**	--	--	**36**	<0.50	<0.50	--	--	
MW-1	11/8/2007	30-40	26.68	11.57	0.00	0.00	15.11	<20	<50	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-1	2/8/2008	30-40	26.68	10.56	0.00	0.00	16.12	<20	**120**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	**1.0**	<0.50	<0.50	--	--	
MW-1	5/5/2008	30-40	26.68	10.94	0.00	0.00	15.74	<20	**110**	--	--	<0.50	<0.50	<0.50	<0.50	**0.6 J**	--	<2.0	--	--	**7.0**	<0.50	<0.50	--	--	
MW-1	8/14/2008	30-40	26.68	11.77	0.00	0.00	14.91	<20	**87 J**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	**0.9 J**	<0.50	<0.50	--	--	
MW-1	11/3/2008	30-40	26.68	12.21	0.00	0.00	14.47	<20	**54 J**	--	--	<0.50	<0.50	<0.50	<0.50	**0.5 J**	--	<2.0	--	--	**0.7 J**	<0.50	<0.50	--	--	
MW-1	2/19/2009	30-40	26.68	10.51	0.00	0.00	16.17	<20	**73 J**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-1	5/8/2009	30-40	26.68	12.43	0.00	0.00	14.25	**95**	**450**	--	--	<0.50	<0.50	<0.50	<0.50	**3.0**	--	**33**	--	--	**13**	<0.50	<0.50	--	--	
MW-1	5/8/2009	30-40	--	--	--	--	--	**92**	**420**	--	--	<0.50	<0.50	<0.50	<0.50	**3.0**	--	**34**	--	--	**13**	<0.50	<0.50	--	--	Duplicate
MW-1	8/18/2009	30-40	26.68	12.32	0.00	0.00	14.36	**78**	**210**	--	--	<0.50	<0.50	<0.50	<0.50	**6.0**	--	**49**	--	--	**6.0**	<0.50	<0.50	--	--	
MW-1	8/18/2009	30-40	--	--	--	--	--	**94**	--	--	--	<0.50	<0.50	<0.50	<0.50	**5.0**	--	**50**	--	--	**6.0**	<0.50	<0.50	--	--	Duplicate
MW-1	11/16/2009	30-40	26.68	12.65	0.00	0.00	14.03	**120**	**180**	--	--	<0.50	<0.50	<0.50	<0.50	**7.0**	--	**6.0**	--	--	--	**11**	<0.50	<0.50	--	--
MW-1	2/16/2010	30-40	26.68	10.22	0.00	0.00	16.46	**110**	**250**	--	--	<0.50	<0.50	<0.50	<0.50	**7.0**	--	**9 J**	--	**11**	**11**	<0.50	<0.50	--	<1.0	
MW-1	5/10/2010	30-40	26.68	10.99	0.00	0.00	15.69	**90**	**220**	--	--	<0.50	<0.50	<0.50	<0.50	**5.0**	--	**22 J**	--	**8.0**	**14**	<0.50	<0.50	<50	<1.0	
MW-1	8/10/2010	30-40	26.68	11.42	0.00	0.00	15.26	**130**	**250**	--	--	<0.50	<0.50	<0.50	<0.50	**6.0**	--	**23 J**	--	**6.0**	**16**	<0.50	<0.50	<50	<1.0	
MW-1	11/2/2010	30-40	26.68	11.65	0.00	0.00	15.03	**81**	**560**	--	--	<0.50	<0.50	<0.50	<0.50	**6.0**	--	**26 J**	--	**10**	**11**	<0.50	<0.50	<50	<1.0	
MW-1	2/15/2011	30-40	26.68	9.78	0.00	0.00	16.90	**170**	**590**	--	--	<0.50	<0.50	<0.50	<0.50	**3.0 J**	--	**21 J**	--	**10**	**23**	<0.50	<0.50	<50	<1.0	
MW-1	5/17/2011	30-40	26.68	9.56	0.00	0.00	17.12	**200**	**1,100**	--	--	<0.50	<0.50	<0.50	<0.50	**1.0 J**	--	**18 J**	--	**7.0**	**25**	<0.50	<0.50	<50	<1.0	
MW-1	8/8/2011	30-40	26.68	11.33	0.00	0.00	15.35	**160**	**980**	--	--	<0.50	<0.50	<0.50	<0.50	**0.50 J**	--	**7.0 J**	--	**3.0 J**	**42**	<0.50	<0.50	<50	<1.0	
MW-1	11/17/2011	30-40	26.68	10.38	0.00	0.00	16.30	**150**	--	<50	--	<0.50	<0.50	<0.50	<0.50	**0.80 J**	--	**13 J**	--	**8.0**	**27**	<0.50	<0.50	<50	<1.0	
MW-1	2/15/2012	30-40	26.68	10.25	0.00	0.00	16.43	**210**	**410**	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**6.0 J**	--	**4.0**	**29**	<0.50	<0.50	<50	<1.0	
MW-1	5/15/2012	30-40	26.68	10.26	0.00	0.00	16.42	**220**	**550**	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	**3.0 J**	**30**	<0.50	<0.50	<50	<1.0	
MW-1	8/15/2012	30-40	26.68	10.82	0.00	0.00	15.86	**180**	**920**	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	**3.0 J**	**36**	<0.50	<0.50	<50	<1.0	
MW-1	11/15/2012	30-40	26.68	11.28	0.00	0.00	15.40	**130**	**470**	**50**	--	<0.14	<0.24	<0.14	<0.24	<0.31	--	<4.6	--	**2.1**	**31**	<0.44	<0.22	<50	<2.5	

Well ID	Sample Date	Screen Interval (ft bTOC)	TOC (ft)	DTW (ft bTOC)	PSH thickness (ft)	PSH recovered (gal)	GW Elev (ft)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-d w/SGC (µg/L)	TPH-Jet A (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8260B) (µg/L)	MTBE (8021) (µg/L)	TBA (µg/L)	EDB (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Naphthalene	Comments
MW-1	11/15/2012	30-40	--	--	--	--	--	**130**	**--**	**--**	**--**	<0.14	<0.24	<0.14	<0.24	<0.31	**--**	<4.6	**--**	**2.0**	**31**	<0.44	<0.22	<50	<2.5	Duplicate
MW-1	2/20/2013	30-40	26.68	10.54	0.00	0.00	16.14	**200**	**890**	<50	**--**	<0.50	<0.50	<0.50	<0.50	<0.50	**--**	**5.0 J**	**--**	**4.0 J**	**34**	<0.50	<0.50	<50	<1.0	
MW-1	5/3/2013	30-40	26.68	10.73	0.00	0.00	15.95	**210**	**--**	<48	**--**	<0.50	<0.50	<0.50	<0.50	<0.50	**--**	<5.0	**--**	**2.0 J**	**38**	<0.50	<0.50	<50	<1.0	
MW-1	8/6/2013	30-40	26.68	11.39	0.00	0.00	15.29	**180**	**--**	<48	**--**	<0.50	<0.50	<0.50	<0.50	<0.50	**--**	**6.0 J**	**--**	**3.0 J**	**30**	<0.50	<0.50	<50	<1.0	
MW-1	11/6/2013	30-40	26.68	11.69	0.00	0.00	14.99	**220**	**--**	<49	**--**	<0.50	<0.50	<0.50	<0.50	<0.50	**--**	**5.0 J**	**--**	**2.0**	**35**	<0.50	<0.50	<50	<1.0	
MW-1	2/25/2014	30-40	26.68	11.58	0.00	0.00	15.10	**210**	**--**	<48	**--**	<0.50	<0.50	<0.50	<0.50	<0.50	**--**	<5.0	**--**	**2.0 J**	**36**	<0.50	<0.50	<50	<1.0	
MW-1	6/9/2014	30-40	26.68	11.78	0.00	0.00	14.90	**230**	**--**	<47	**--**	<0.50	<0.50	<0.50	<0.50	<0.50	**--**	**5.0 J**	**--**	**6.0**	**29**	<0.50	<0.50	<50	<1.0	
MW-1	9/15/2014	30-40	26.68	12.14	0.00	0.00	14.54	**90**	**--**	<52	**--**	<0.50	<0.50	<0.50	<0.50	**1.0 J**	**--**	**11 J**	**--**	**20**	**15**	<0.50	<0.50	<50	<1.0	
MW-1	12/5/2014	30-40	26.68	11.84	0.00	0.00	14.84	**86**	**--**	<53	**--**	<0.50	<0.50	<0.50	<0.50	**0.70 J**	**--**	**9 J**	**--**	**11**	**15**	<0.50	<0.50	<50	<1.0	
MW-1	2/26/2015	30-40	26.68	11.41	0.00	0.00	15.27	**200**	**--**	<51	**--**	<0.50	<0.50	<0.50	<0.50	**0.70 J**	**--**	<5.0	**--**	**3.0**	**13**	<0.50	<0.50	**170 J**	<1.0	
MW-1	6/17/2015	30-40	26.68	11.55	0.00	0.00	15.13	**120**	**--**	**170****	**--**	**0.60 J**	<0.50	<0.50	<0.50	**1.0**	**--**	<5.0	**--**	**3.0**	**22**	<0.50	<0.50	<50	<1.0	
MW-1	9/3/2015	30-40	26.68	11.30	0.00	0.00	15.38	**73**	**--**	<42**	**--**	<0.50	<0.50	<0.50	<0.50	**3.0**	**--**	**5.0 J**	**--**	**6.0**	**16**	<0.50	<0.50	<50	<1.0	
MW-1	11/30/2015	30-40	26.68	12.58	0.00	0.00	14.10	**69**	**--**	<45**	**--**	<0.50	<0.50	<0.50	<0.50	**2.0**	**--**	<5.0	**--**	**5.0**	**12**	<0.50	<0.50	<50	<1.0	
MW-1	3/11/2016	30-40	26.68	11.61	0.00	0.00	15.07	**130**	**65 J****	**--**	**--**	<0.50	<0.50	<0.50	<0.50	**0.80 J**	**--**	<5.0	**--**	**2.0**	**23**	<0.50	<0.50	<50	<1.0	
MW-1	6/6/2016	30-40	26.68	11.10	0.00	0.00	15.58	**72**	**--**	<50***	**--**	<0.50	<0.50	<0.50	<0.50	<0.50	**--**	<5.0	**--**	**1.0**	**12**	<0.50	<0.50	<50	<1.0	
MW-1	9/21/2016	30-40	26.68	13.02	0.00	0.00	13.66	**160**	**--**	<50***	**--**	<0.50	<0.50	<0.50	<0.50	<0.50	**--**	<5.0	**--**	**0.70 J**	**13**	<0.50	<0.50	<50	<1.0	
MW-1	12/30/2016	30-40	26.68	12.65	0.00	0.00	14.03	**63**	**--**	<46***	**--**	**3.0**	<0.50	<0.50	<0.50	**0.70 J**	**--**	<5.0	**--**	**2.0**	**13**	<0.50	<0.50	<50	**3.0 J**	
MW-1	2/16/2017	30-40	26.68	10.78	0.00	0.00	15.90	**76**	**--**	<45***	**--**	<0.50	<0.50	<0.50	<0.50	**0.70 J**	**--**	<5.0	**--**	**4.0**	**24**	<0.50	<0.50	<50	<1.0	
MW-1	5/12/2017	30-40	26.68	11.11	0.00	0.00	15.57	**130**	**--**	<45***	**--**	<0.50	<0.50	<0.50	<0.50	<0.50	**--**	<5.0	**--**	**4.0**	**29**	<0.50	<0.50	<50	<1.0	
MW-1	9/19/2017	30-40	26.68	11.74	0.00	0.00	14.94	**150**	**--**	<46***	**--**	<0.50	<0.50	<0.50	<0.50	<0.50	**--**	<5.0	**--**	**5.0**	**45**	<0.50	<0.50	<50	<1.0	
MW-1	11/30/2017	30-40	26.68	11.86	0.00	0.00	14.82	**150**	**--**	<45***	**--**	<0.50	<0.50	<0.50	<0.50	<0.50	**--**	<5.0	**--**	**6.0**	**47**	<0.50	<0.50	<50	<1.0	
MW-1	2/8/2018	30-40	26.68	11.55	0.00	0.00	15.13	<150	**--**	**79*****	**--**	<0.71	<1.2	<0.69	<1.1	<1.5	**--**	<23	**--**	**6.0**	**36**	<2.2	<1.1	<250	<12	
MW-1	6/1/2018	30-40	26.68	11.33	0.00	0.00	15.35	**100**	**--**	**78*****	**220**	<0.14	<0.24	<0.14	<0.23	<0.31	**--**	<4.6	**--**	**2.4**	**25**	<0.44	<0.22	<50	<5.0	
MW-1	8/22/2018	30-40	26.68	11.79	0.00	0.00	14.89	<48	**--**	**120*****	**170**	<0.30	<0.29	<0.26	<0.27	<0.30	**--**	<3.3	**--**	**1.0**	**4.3**	<0.27	<0.25	<54	<5.1	
MW-1	12/20/2018	30-40	26.68	11.90	0.00	0.00	14.78	<48	**150**	<16	**170**	<0.14	<0.13	<0.14	<0.15	<0.16	--	<3.1	<0.27	**1.0**	**9.2**	<0.12	<0.13	<53	<5.1	
MW-1	2/4/2019	30-40	26.68	9.86	0.00	0.00	16.82	<50	**32 J**	<49	**42 J**	<1.0	<1.0	<1.0	<1.0	<1.0	--	<10	<1.0	<0.50	<2.0	<2.0	<2.0	<100	<10	
MW-2	6/27/1995	5-25	--	11.66	0.00	0.00	--	**3,500**	**--**	**--**	**--**	**47**	**5.8**	**9.1**	**13**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-2	9/22/1995	5-25	24.49	12.33	0.00	0.00	12.16	**7,600**	**--**	**--**	**--**	**51**	**3.7**	**7.5**	**7.7**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-2	12/7/1995	5-25	24.49	12.81	0.00	0.00	11.68	**1,500**	**--**	**--**	**--**	**59**	**7.2**	**8.3**	**16**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-2	3/19/1996	5-25	24.49	11.85	0.00	0.00	12.64	**5,700**	**--**	**--**	**--**	**40**	**2.4**	**6.2**	**15**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-2	5/29/1996	5-25	24.49	11.94	0.00	0.00	12.55	**7,400**	**--**	**--**	**--**	**130**	**5.9**	**8.2**	**15**	**--**	**4,300**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-2	8/6/1996	5-25	24.49	12.50	0.00	0.00	11.99	**8,600**	**--**	**--**	**--**	**57**	**4.5**	**7.7**	**19**	**--**	**5,700**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-2	11/26/1996	5-25	24.49	12.33	0.00	0.00	12.16	**14,000**	**--**	**--**	**--**	**130**	**4.7**	**8.4**	**8.6**	**--**	**11,000**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-2	2/6/1997	5-25	24.49	10.90	0.00	0.00	13.59	**8,900**	**--**	**--**	**--**	**130**	ND	ND	ND	**--**	**4,800**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-2	5/19/1997	5-25	24.49	11.95	0.00	0.00	12.54	**5,500**	**--**	**--**	**--**	**150**	ND	ND	ND	**--**	**6,400**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-2	8/7/1997	5-25	24.49	12.26	0.00	0.00	12.23	**5,500**	**--**	**--**	**--**	**120**	**2.4**	**3.8**	**5.3**	**--**	**4,700**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-2	11/17/1997	5-25	24.49	12.80	0.00	0.00	11.69	**10,000**	**--**	**--**	**--**	**50**	ND	**5.9**	ND	**--**	**10,000**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-2	1/12/1998	5-25	24.49	11.80	0.00	0.00	12.69	**2,800**	**--**	**--**	**--**	**16**	ND	**5.4**	**5.9**	**--**	**6,400**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-2	4/7/1998	5-25	24.49	9.98	0.00	0.00	14.51	**5,500**	**--**	**--**	**--**	**39**	**4.5**	**6.5**	**25**	**--**	**4,600**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-2	7/6/1998	5-25	24.49	10.80	0.00	0.00	13.69	**5,900**	**--**	**--**	**--**	**43**	**0.42**	**7.9**	**13**	**--**	**5,300**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-2	11/13/1998	5-25	24.49	11.89	0.00	0.00	12.60	**6,100**	**--**	**--**	**--**	**96**	**4.8**	**5.5**	**6.5**	**--**	**4,100**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	Sample Collected at 15 ft below TOC
MW-2	1/11/1999	5-25	24.49	12.11	0.00	0.00	12.38	**7,000**	**--**	**--**	**--**	**28**	**2.4**	**8.8**	**18**	**--**	**7,000**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-2	6/7/1999	5-25	24.49	11.65	0.00	0.00	12.84	**5,700**	**--**	**--**	**--**	**46**	**4.0**	**6.5**	**11**	**--**	**4,700**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-2	7/14/1999	5-25	24.49	11.88	0.00	0.00	12.61	**3,700**	**--**	**--**	**--**	**11**	**2.3**	**5.2**	**9.1**	**--**	**2,500**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-2	10/20/1999	5-25	24.49	12.90	0.00	0.00	11.59	**6,500**	**--**	**--**	**--**	**16**	**5.3**	**11**	**20**	**--**	**3,000**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-2	1/5/2000	5-25	24.49	13.05	0.00	0.00	11.44	**5,100**	**--**	**--**	**--**	**16**	<0.30	**6.7**	**11**	**--**	**3,400**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-2	5/12/2000	5-25	24.49	12.52	0.00	0.00	11.97	**5,000**	**--**	**--**	**--**	**13**	**5.5**	**17**	**27**	**--**	**2,700**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-2	8/3/2000	5-25	24.49	12.94	0.00	0.00	11.55	**2,500**	**--**	**--**	**--**	**9.8**	<0.8	**4.6**	**5.7**	**--**	**860**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-2	11/2/2000	5-25	24.49	12.42	0.00	0.00	12.07	**2,900**	**--**	**--**	**--**	**11**	<0.30	**12**	**31**	**--**	**830**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-2	3/2/2001	5-25	24.49	10.25	0.00	0.00	14.24	**3,200**	**--**	**--**	**--**	**14**	**6.8**	<5.0	<10	**840**	**--**	<500	**--**	**--**	<10	<10	<10	**--**	**--**	
MW-2	5/29/2001	5-25	24.49	11.55	0.00	0.00	12.94	**3,000**	**--**	**--**	**--**	**12**	<1.0	**3.1**	<2.0	**610**	**--**	<100	**--**	**--**	**2.9**	<2.0	<2.0	**--**	**--**	
MW-2	8/2/2001	5-25	24.49	12.01	0.00	0.00	12.48	**2,600**	**--**	**--**	**--**	**11**	<0.50	**0.51**	**1.5**	**440**	**--**	**110**	**--**	**--**	**5.2**	<1.0	<1.0	**--**	**--**	
MW-2	11/9/2001	5-25	24.49	13.52	0.00	0.00	10.97	**2,300**	**--**	**--**	**--**	**7.4**	**0.50**	**2.8**	**1.8**	**760**	**--**	**230**	**--**	**--**	**5.6**	<1.0	<1.0	**--**	**--**	
MW-2	2/9/2002	5-25	24.50	14.00	0.00	0.00	10.50	**3,100**	**--**	**--**	**--**	**11**	**0.72**	**5.1**	**3.0**	**380**	**--**	**110**	**--**	**--**	**6.7**	<1.0	<1.0	**--**	**--**	
MW-2	5/10/2002	5-25	24.50	14.60	0.00	0.00	9.90	**2,000**	**--**	**--**	**--**	**9.4**	**0.66**	**4.4**	**2.4**	**250**	**--**	**61**	**--**	**--**	**4.7**	<1.0	<1.0	**--**	**--**	
MW-2	8/1/2002	5-25	24.50	13.45	0.00	0.00	11.05	**1,400**	**--**	**--**	**--**	**6.8**	<0.50	**2.4**	**1.6**	**310**	**--**	**110**	**--**	**--**	**3.8**	<1.0	<1.0	**--**	**--**	
MW-2	11/7/2002	5-25	24.50	13.60	0.00	0.00	10.90	**3,200**	**--**	**--**	**--**	**6.2**	<3.0	**3.0**	<5.0	**260**	**--**	<300	**--**	**--**	<5.0	<10	<10	**--**	**--**	
MW-2	1/17/2003	5-25	24.50	12.32	0.00	0.00	12.18	**2,200**	**--**	**--**	**--**	**7.3**	<0.50	**4.5**	**2.4**	**200**	**--**	**190**	**--**	**--**	**2.8**	<1.0	<1.0	**--**	**--**	
MW-2	5/9/2003	5-25	24.50	11.56	0.00	0.00	12.94	**3,000**	**--**	**--**	**--**	**6.6**	<2.0	**3.5**	<4.0	**84**	**--**	**130**	**--**	**--**	<5.0	<5.0	<5.0	**--**	**--**	
MW-2	7/16/2003	5-25	24.50	13.08	0.00	0.00	11.42	**3,600**	**--**	**--**	**--**	**8.0**	<2.0	**4.2**	<4.0	**110**	**--**	**210**	**--**	**--**	**5.2**	<5.0	<5.0	**--**	**--**	
MW-2	11/24/2003	5-25	24.50	12.42	0.00	0.00	12.08	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-2	3/11/2004	5-25	24.50	12.70	0.00	0.00	11.80	**490**	**--**	**--**	**--**	<2.0	<2.0	<2.0	<4.0	**33**	**--**	**190**	**--**	**--**	<5.0	<5.0	<5.0	**--**	**--**	
MW-2	6/2/2004	5-25	24.50	12.48	0.00	0.00	12.02	**1,100**	**--**	**--**	**--**	**6.6**	**2.9**	<2.0	<4.0	**64**	**--**	**190**	**--**	**--**	<5.0	<5.0	<5.0	**--**	**--**	
MW-2	9/14/2004	5-25	24.50	12.68	0.00	0.00	11.82	**1,900**	**--**	**--**	**--**	**44**	**17**	**16**	**36**	**35**	**--**	**260**	**--**	**--**	**5.0**	<5.0	<5.0	**--**	**--**	
MW-2	12/1/2004	5-25	24.50	12.45	0.00	0.00	12.05	**380**	**--**	**--**	**--**	**0.44 J**	**0.38 J**	<2.0	<4.0	<5.0	**--**	<50	**--**	**--**	<5.0	<5.0	<5.0	**--**	**--**	
MW-2	2/16/2005	5-25	24.50	9.61	0.00	0.00	14.89	**660**	**--**	**--**	**--**	**24**	**10**	**20**	**17**	**19**	**--**	**170**	**--**	**--**	<0.25	<0.28	<0.33	**--**	**--**	
MW-2	8/25/2005	5-25	24.50	10.40	0.00	0.00	14.10	**480**	**--**	**--**	**--**	**1.3 J**	**0.36 J**	**0.81 J**	**0.73 J**	**24**	**--**	**360**	**--**	**--**	<0.25	<0.28	<0.33	**--**	**--**	
MW-2	11/15/2005	5-25	24.50	11.03	0.00	0.00	13.47	**1,200**	**--**	**--**	**--**	**9.8**	**0.38J**	**1.8J**	**0.84J**	**31**	**--**	**780**	**--**	**--**	**2.0 J**	<0.28	<0.33	**--**	**--**	
MW-2	2/21/2006	5-25	26.85	11.30	0.00	0.00	15.55	**990**	**--**	**--**	**--**	**19**	**7.5**	**3.3**	**9.2**	**14**	**--**	**1,300**	**--**	**--**	**0.67 J**	<0.28	<0.33	**--**	**--**	
MW-2	5/16/2006	5-25	26.85	10.40	0.00	0.00	16.45	**970**	**--**	**--**	**--**	**7.8**	**5.3**	**2.3**	**8.0**	**9.1**	**--**	**540**	**--**	**--**	<0.25	<0.28	<0.33	**--**	**--**	
MW-2	8/15/2006	5-25	26.85	11.33	0.00	0.00	15.52	**1,300**	**--**	**--**	**--**	**9.6**	**0.40J**	**0.91J**	**1.0J**	**7.6**	**--**	**210**	**--**	**--**	<0.25	<0.28	<0.33	**--**	**--**	
MW-2	11/21/2006	5-25	26.85	12.01	0.00	0.00	14.84	**1,700**	**--**	**--**	**--**	**1.0 J**	<0.50	**1.0 J**	<0.50	**9.0**	**--**	**300**	**--**	**--**	<0.50	<0.50	<0.50	**--**	**--**	
MW-2	2/13/2007	5-25	26.85	11.98	0.00	0.00	14.87	**1,200**	**--**	**--**	**--**	**0.80 J**	<0.50	**0.90 J**	<0.50	**8.0**	**--**	**400**	**--**	**--**	<0.50	<0.50	<0.50	**--**	**--**	
MW-2	5/22/2007	5-25	26.85	11.72	0.00	0.00	15.13	**1,300**	**2,300**	**--**	**--**	**2.0**	<0.50	**1.0**	<0.50	**9.0**	**--**	**550**	**--**	**--**	<0.50	<0.50	<0.50	**--**	**--**	
MW-2	8/9/2007	5-25	26.85	11.89	0.00	0.00	14.96	**810**	**1,700**	**--**	**--**	**0.70 J**	<0.50	**0.70 J**	<0.50	**6.0**	**--**	**290**	**--**	**--**	<0.50	<0.50	<0.50	**--**	**--**	
MW-2	11/9/2007	5-25	26.85	12.15	0.00	0.00	14.70	**4,100**	**2,400**	**--**	**--**	**31**	<0.50	**4.0**	**0.80 J**	**6.0**	**--**	**200**	**--**	**--**	**4.0**	<0.50	<0.50	**--**	**--**	
MW-2	2/8/2008	5-25	26.85	10.99	0.00	0.00	15.86	**670**	**1,600**	**--**	**--**	<0.50	<0.50	<0.50	<0.50	**3.0**	**--**	**82**	**--**	**--**	<0.50	<0.50	<0.50	**--**	**--**	
MW-2	5/5/2008	5-25	26.85	11.68	0.00	0.00	15.17	**4,900**	**2,500**	**--**	**--**	**20**	<0.50	**4.0**	**0.60 J**	**6.0**	**--**	**300**	**--**	**--**	**3.0**	<0.50	<0.50	**--**	**--**	
MW-2	8/14/2008	5-25	26.85	11.68	0.00	0.00	15.17	**2,600**	**1,900**	**--**	**--**	**10**	<0.50	**3.0**	**0.60 J**	**6.0**	**--**	**420**	**--**	**--**	**2.0**	<0.50	<0.50	**--**	**--**	
MW-2	8/14/2008	5-25	--	--	--	--	--	**440**	**1,800**	**--**	**--**	**11**	<0.50	**3.0**	<0.50	**6.0**	**--**	**360**	**--**	**--**	**2.0**	<0.50	<0.50	**--**	**--**	
MW-2	11/3/2008	5-25	26.85	12.60	0.00	0.00	14.25	**3,400**	**2,200**	**--**	**--**	**14**	<0.50	**3.0**	**0.50 J**	**6.0**	**--**	**280**	**--**	**--**	**2.0**	<0.50	<0.50	**--**	**--**	
MW-2	2/19/2009	5-25	26.85	11.03	0.00	0.00	15.82	**3,700**	**2,200**	**--**	**--**	**9.0**	<0.50	**3.0**	<0.50	**5.0**	**--**	**190**	**--**	**--**	**2.0**	<0.50	<0.50	**--**	**--**	
MW-2	5/8/2009	5-25	26.85	12.21	0.00	0.00	14.64	**3,200**	**2,700**	**--**	**--**	**9.0**	<0.50	**4.0**	**0.60 J**	**4.0**	**--**	**150**	**--**	**--**	**3.0**	<0.50	<0.50	**--**	**--**	
MW-2	8/18/2009	5-25	26.85	12.77	0.00	0.00	14.08	**3,900**	**2,100**	**--**	**--**	**6.0**	<0.50	**3.0**	<0.50	**3.0**	**--**	**120**	**--**	**--**	**3.0**	<0.50	<0.50	**--**	**--**	
MW-2	11/16/2009	5-25	26.85	13.12	0.00	0.00	13.73	**3,800**	**3,000**	**--**	**--**	**8.0**	<0.50	**4.0**	<0.50	**5.0**	**--**	**160**	**--**	**--**	**3.0**	<0.50	<0.50	**--**	**--**	
MW-2	2/16/2010	5-25	26.85	10.81	0.00	0.00	16.04	**3,600**	**2,600**	**--**	**--**	**8.0**	<0.50	**4.0 J**	**0.60 J**	**4.0**	**--**	**120**	**--**	**0.70 J**	**3.0 J**	<0.50	<0.50	**--**	**7.0**	
MW-2	5/11/2010	5-25	26.85	11.77	0.00	0.00	15.08	**4,100**	**2.8**	**--**	**--**	**8.0**	<0.50	**4.0**	**0.80 J**	**4.0 J**	**--**	**130**	**--**	<0.50	**3.0 J**	<0.50	<0.50	<50	**7.0**	
MW-2	8/10/2010	5-25	26.85	12.00	0.00	0.00	14.85	**2,700**	**3,100**	**--**	**--**	**6.0**	<0.50	**3.0 J**	<0.50	**4.0 J**	**--**	**100**	**--**	**0.50 J**	**2.0 J**	<0.50	<0.50	<50	**6.0**	
MW-2	11/2/2010	5-25	26.85	12.26	0.00	0.00	14.59	**4,100**	**3,100**	**--**	**--**	**5.0**	<0.50	**3.0 J**	<0.50	**4.0 J**	**--**	**93**	**--**	<0.50	**2.0 J**	<0.50	<0.50	<50	**5.0**	
MW-2	2/16/2011	5-25	26.85	10.71	0.00	0.00	16.14	**4,100**	**3,300**	**--**	**--**	**6.0**	<0.50	**3.0 J**	<0.50	**5.0**	**--**	**97**	**--**	<0.50	**2.0 J**	<0.50	<0.50	<50	**7.0**	
MW-2	5/17/2011	5-25	26.85	10.66	0.00	0.00	16.19	**3,400**	**3,200**	**--**	**--**	**5.0**	<0.50	**3.0 J**	<0.50	**4.0**	**--**	**77 J**	**--**	<0.50	**2.0 J**	<0.50	<0.50	<50	**8.0**	

Well ID	Sample Date	Screen Interval (ft bTOC)	TOC (ft)	DTW (ft bTOC)	PSH thickness (ft)	PSH recovered (gal)	GW Elev (ft)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-d w/SGC (µg/L)	TPH-Jet A (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8260B) (µg/L)	MTBE (8021) (µg/L)	TBA (µg/L)	EDB (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Naphthalene	Comments
MW-2	8/8/2011	5-25	26.85	11.12	0.00	0.00	15.73	**4,100**	**3,500**	--	--	**9.0**	<0.50	**4.0 J**	<0.50	**7.0**	--	**120**	--	<0.50	**2.0 J**	<0.50	<0.50	<50	**12**	
MW-2	11/17/2011	5-25	26.85	11.42	0.00	0.00	15.43	**3,300**	--	**110**	--	**5.0**	<0.50	**2.0 J**	<0.50	**5.0**	--	**110**	--	<0.50	**2.0 J**	<0.50	<0.50	<50	**15**	
MW-2	2/15/2012	5-25	26.85	11.40	0.00	0.00	15.45	**3,600**	**2,600**	**130**	--	**7.0**	<0.50	**3.0 J**	<0.50	**7.0**	--	**120**	--	<0.50	**2.0 J**	<0.50	<0.50	<50	**11**	
MW-2	5/15/2012	5-25	26.85	11.74	0.00	0.00	15.11	**4,500**	**3,100**	**190**	--	**7.0**	<0.50	**4.0 J**	<0.50	**6.0**	--	**71 J**	--	<0.50	**2.0 J**	<0.50	<0.50	<50	**7.0**	
MW-2	8/16/2012	5-25	26.85	12.17	0.00	0.00	14.68	**3,400**	**3,000**	**930**	--	**9.0**	<0.50	**3.0 J**	<0.50	**7.0**	--	**96**	--	<0.50	**2.0 J**	<0.50	<0.50	<50	**7.0**	
MW-2	11/15/2012	5-25	26.85	12.39	0.00	0.00	14.46	**6,100**	**3,100**	**1,400**	--	**8.4**	<0.47	**3.0**	**0.83 J**	<0.62	--	**100**	--	<0.50	**1.7 J**	<0.87	<0.44	<100	**7.0**	
MW-2	2/21/2013	5-25	26.85	11.95	0.00	0.00	14.90	**4,300**	**3,700**	**130****	--	**8.0**	<0.50	**3.0 J**	<0.50	**9.0**	--	**72 J**	--	**1.0 J**	**2.0 J**	<0.50	<0.50	<50	**6.0**	
MW-2	5/3/2013	5-25	26.85	11.85	0.00	0.00	15.00	**3,700**	--	**120**	--	**7.0**	<0.50	**2.0 J**	<0.50	**9.0**	--	**83**	--	<0.50	**2.0 J**	<0.50	<0.50	<50	**7.0**	
MW-2	8/6/2013	5-25	26.85	12.20	0.00	0.00	14.65	**4,100**	--	**130**	--	**7.0**	<0.50	**3.0 J**	**0.50 J**	**9.0**	--	**92**	--	<0.50	**1.0 J**	<0.50	<0.50	<50	**9.0**	
MW-2	11/6/2013	5-25	26.85	12.78	0.00	0.00	14.07	**2,400**	--	**170**	--	**7.0**	<0.50	**2.0 J**	<0.50	**9.0**	--	**86**	--	<0.50	**2.0 J**	<0.50	<0.50	<50	**9.0**	
MW-2	2/25/2014	5-25	26.85	12.52	0.00	0.00	14.33	**4,100**	--	**120**	--	**7.0**	**0.90 J**	**3.0 J**	**4.0 J**	**9.0**	--	**75 J**	--	<0.50	**2.0 J**	<0.50	<0.50	<50	**11**	
MW-2	6/9/2014	5-25	26.85	12.10	0.00	0.00	14.75	**3,500**	--	**190**	--	**6.0**	<0.50	**3.0**	<0.50	**6.0**	--	**46**	--	**1.0**	**2.0**	<0.50	<0.50	<50	**7.0**	
MW-2	9/16/2014	5-25	26.85	12.63	0.00	0.00	14.22	**3,400**	--	**130**	--	**5.0**	<0.50	**2.0**	<0.50	**5.0**	--	**47**	--	**0.80 J**	**2.0**	<0.50	<0.50	<50	**8.0**	
MW-2	12/5/2014	5-25	26.85	12.56	0.00	0.00	14.29	**3,200**	--	**140**	--	**5.0**	<0.50	**2.0**	**2.0**	**4.0**	--	**38**	--	**0.60 J**	**2.0**	<0.50	<0.50	<50	**7.0**	
MW-2	2/26/2015	5-25	26.85	12.07	0.00	0.00	14.78	**3,400**	--	**170**	--	**4.0**	<0.50	**2.0**	<0.50	**3.0**	--	**26**	--	<0.50	**1.0**	<0.50	<0.50	<50	**9.0**	
MW-2	6/17/2015	5-25	26.85	12.24	0.00	0.00	14.61	**3,900**	--	**230****	--	**3.0**	<0.50	**2.0**	<0.50	**2.0**	--	**18 J**	--	**0.80 J**	**2.0**	<0.50	<0.50	<50	**10**	
MW-2	9/3/2015	5-25	26.85	12.87	0.00	0.00	13.98	**4,000**	--	**110****	--	**3.0**	<0.50	**2.0**	**0.70 J**	**2.0**	--	**33**	--	<0.50	**1.0**	<0.50	<0.50	<50	**9.0**	
MW-2	11/30/2015	5-25	26.85	13.02	0.00	0.00	13.83	**3,400**	--	**140****	--	**3.0**	<0.50	**2.0**	<0.50	**2.0**	--	**25**	--	**0.80 J**	**1.0**	<0.50	<0.50	<50	**10**	
MW-2	3/10/2016	5-25	26.85	12.21	0.00	0.00	14.64	**2,800**	**940****	--	--	**2.0**	<0.50	**1.0**	<0.50	**2.0**	--	**43**	--	**0.50 J**	**1.0 J**	<0.50	<0.50	<50	**11**	
MW-2	6/6/2016	5-25	26.85	11.40	0.00	0.00	15.45	**2,200**	--	**78 J*****	--	**1.0**	<0.50	**1.0**	<0.50	**0.90 J**	--	**20 J**	--	<0.50	**1.0**	<0.50	<0.50	<50	**10**	
MW-2	9/21/2016	5-25	26.85	14.00	0.00	0.00	12.85	**1,600**	--	**65 J*****	--	**0.70 J**	<0.50	**1.0**	<0.50	**2.0**	--	**64**	--	<0.50	<0.50	<0.50	<0.50	<50	**18**	
MW-2	12/30/2016	5-25	26.85	13.94	0.00	0.00	12.91	**2,400**	--	**59 J*****	--	**6.0**	<0.50	**2.0**	<0.50	**2.0**	--	**58**	--	<0.50	<0.50	<0.50	<0.50	<50	**22**	
MW-2	2/15/2017	5-25	26.85	12.32	0.00	0.00	14.53	**1,700**	--	**47 J*****	--	**0.80 J**	<0.50	**0.70 J**	<0.50	**1.0**	--	**49**	--	<0.50	<0.50	<0.50	<0.50	<50	**26**	
MW-2	5/12/2017	5-25	26.85	12.36	0.00	0.00	14.49	**1,700**	--	**53 J*****	--	**3.0**	<0.50	**1.0 J**	<0.50	**2.0**	--	**33**	--	<0.50	<0.50	<0.50	<0.50	<50	**10**	
MW-2	9/19/2017	5-25	26.85	13.20	0.00	0.00	13.65	**2,600**	--	**69 J*****	--	**6.0**	<0.50	**2.0**	<0.50	**3.0**	--	**34**	--	<0.50	**0.70 J**	<0.50	<0.50	<50	**10**	
MW-2	11/30/2017	5-25	26.85	13.35	0.00	0.00	13.50	**1,400**	--	<47*****	--	**5.0**	<0.50	**0.90 J**	<0.50	**3.0**	--	**34**	--	**0.70 J**	**0.60 J**	<0.50	<0.50	<50	**6.0**	
MW-2	2/8/2018	5-25	26.85	13.41	0.00	0.00	13.44	**1,900**	--	**630*****	--	**5.4**	<1.2	**0.89 J**	<1.1	**4.6 J**	--	<23	--	<1.2	<1.7	<2.2	<1.1	<250	<12	
MW-2	6/1/2018	5-25	26.85	12.66	0.00	0.00	14.19	**1,200**	--	**320*****	**640**	**3.1**	<0.24	**0.62 J**	**0.45 JA**	**3.0**	--	**42**	--	<0.24	**0.67 J**	<0.44	<0.22	<50	**9.7 J**	
MW-2	8/24/2018	5-25	26.85	13.02	0.00	0.00	13.83	**1,300**	--	**590*****	**1,300**	**4.4**	<0.29	**1.1**	<0.27	**2.6**	--	**18**	--	<0.32	**0.73 J**	<0.27	<0.25	<54	**9.7 J**	
MW-2	12/20/2018	5-25	26.85	13.09	0.00	0.00	13.76	**1,200**	**220**	**310**	**880**	**3.4**	**0.19 J**	**0.80 J**	**0.21 JA**	**2.3**	--	**17**	<0.27	**0.53**	**0.76 J**	<0.12	<0.13	<53	**11**	
MW-2	2/4/2019	5-25	26.85	10.99	0.00	0.00	15.86	**1,000**	**270**	**410**	**1,400**	**3.1**	<1.0	**0.80 J**	**0.51 JA**	**1.9**	--	**15**	<1.0	<0.50	**0.63 J**	<2.0	<2.0	**57 J**	**9.0 J**	
MW-3	7/6/1998	8-26	24.76	9.56	0.00	0.00	15.20	**100,000**	--	--	--	**19,000**	**21,000**	**4,100**	**13,000**	--	**1,600**	--	--	--	--	--	--	--	--	
MW-3	11/13/1998	8-26	24.76	11.21	0.00	0.00	13.55	**46,000**	--	--	--	**12,000**	**6,500**	**1,100**	**5,200**	--	**990**	--	--	--	--	--	--	--	--	Sample Collected at 15 ft below TOC
MW-3	1/11/1999	8-26	24.76	11.34	0.00	0.00	13.42	**95,000**	--	--	--	**21,000**	**18,000**	**3,600**	**16,000**	--	**1,300**	--	--	--	--	--	--	--	--	
MW-3	6/7/1999	8-26	24.76	10.95	0.00	0.00	13.81	**110,000**	--	--	--	**18,000**	**22,000**	**3,200**	**15,000**	--	**1,700**	--	--	--	--	--	--	--	--	
MW-3	7/14/1999	8-26	24.76	11.22	0.00	0.00	13.54	**91,000**	--	--	--	**24,000**	**27,000**	**3,300**	**15,000**	--	**3,500**	--	--	--	--	--	--	--	--	
MW-3	10/20/1999	8-26	24.76	12.26	0.00	0.00	12.50	**110,000**	--	--	--	**22,000**	**20,000**	**3,100**	**13,000**	--	**4,300**	--	--	--	--	--	--	--	--	
MW-3	1/5/2000	8-26	24.76	12.45	0.00	0.00	12.31	**86,000**	--	--	--	**26,000**	**21,000**	**3,600**	**16,000**	--	**5,900**	--	--	--	--	--	--	--	--	
MW-3	5/12/2000	8-26	24.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
MW-3	8/3/2000	8-26	24.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible - System On
MW-3	8/28/2000	8-26	24.76	11.12	0.00	0.00	13.64	**32,000**	--	--	--	**5,900**	**7,900**	**840**	**5,500**	--	**890**	--	--	--	--	--	--	--	--	
MW-3	11/2/2000	8-26	24.76	12.45	0.00	0.00	12.31	**51,000**	--	--	--	**12,000**	**16,000**	**1,300**	**7,500**	--	**1,200**	--	--	--	--	--	--	--	--	
MW-3	3/2/2001	8-26	24.76	9.04	0.00	0.00	15.72	**63,000**	--	--	--	**14,000**	**16,000**	**1,700**	**10,000**	**1,000**	--	<5,000	--	--	<100	<100	<100	--	--	
MW-3	5/29/2001	8-26	24.76	13.57	0.00	0.00	11.19	**80,000**	--	--	--	**12,000**	**18,000**	**2,200**	**12,000**	**370**	--	<20,000	--	--	<300	<300	<300	--	--	
MW-3	8/2/2001	8-26	24.76	11.81	0.00	0.00	12.95	**52,000**	--	--	--	**12,000**	**14,000**	**1,500**	**8,300**	**730**	--	<20,000	--	--	<300	<300	<300	--	--	
MW-3	11/9/2001	8-26	24.76	15.33	0.00	0.00	9.43	**11,000**	--	--	--	**200**	**290**	**14**	**270**	**72**	--	**830**	--	--	<10	<10	<10	--	--	
MW-3	2/9/2002	8-26	24.76	14.89	0.00	0.00	9.87	**24,000**	--	--	--	**4,200**	**4,400**	**380**	**4,600**	**5.7**	--	**570**	--	--	**1.4**	<1.0	<1.0	--	--	
MW-3	5/10/2002	8-26	24.76	14.29	0.00	0.00	10.47	**46,000**	--	--	--	**6,600**	**5,000**	**730**	**5,000**	<20	--	<2,000	--	--	<30	<30	<30	--	--	
MW-3	8/1/2002	8-26	24.76	16.78	0.00	0.00	7.98	**44,000**	--	--	--	**7,600**	**6,000**	**1,000**	**5,900**	**34**	--	<2,000	--	--	<30	<30	<30	--	--	
MW-3	11/7/2002	8-26	24.76	16.76	0.00	0.00	8.00	**37,000**	--	--	--	**4,800**	**4,900**	**660**	**4,200**	**64**	--	<3,000	--	--	<50	<100	<100	--	--	
MW-3	1/17/2003	8-26	24.76	12.85	0.00	0.00	11.91	**23,000**	--	--	--	**3,800**	**3,200**	**710**	**4,000**	**59**	--	**1,000**	--	--	<20	<20	<20	--	--	
MW-3	5/9/2003	8-26	24.76	13.70	0.00	0.00	11.06	**14,000**	--	--	--	**2,000**	**2,400**	**270**	**2,500**	<200	--	<2,000	--	--	<200	<200	<200	--	--	
MW-3	7/16/2003	8-26	24.76	14.35	0.00	0.00	10.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in Well
MW-3	11/24/2003	8-26	24.76	13.42	0.00	0.00	11.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	3/11/2004	8-26	24.76	15.30	0.00	0.00	9.46	**31,000**	--	--	--	**7,600**	**6,500**	**1,400**	**6,800**	<500	--	<5,000	--	--	<500	<500	<500	--	--	
MW-3	6/2/2004	8-26	24.76	13.33	0.00	0.00	11.43	**34,000**	--	--	--	**9,300**	**8,400**	**1,700**	**7,900**	<500	--	<5,000	--	--	<500	<500	<500	--	--	
MW-3	9/14/2004	8-26	24.76	13.73	0.00	0.00	11.03	**57,000**	--	--	--	**12,000**	**14,000**	**2,400**	**10,000**	<1,000	--	**1,000 J**	--	--	<1,000	<1,000	<1,000	--	--	
MW-3	11/30/2004	8-26	24.76	13.33	0.00	0.00	11.43	**14,000**	--	--	--	**2,600**	**1,500**	**460**	**2,700**	**30 J**	--	**540 J**	--	--	<120	<120	<120	--	--	
MW-3	2/16/2005	8-26	24.76	10.18	0.00	0.00	14.58	**570**	--	--	--	**27**	**16**	**16**	**190**	**0.36 J**	--	<3.1	--	--	<0.25	<0.28	<0.33	--	--	Abandoned
MW-4	7/6/1998	8-26	24.74	9.37	0.00	0.00	15.37	**210,000**	--	--	--	**2,400**	**48,000**	**3,900**	**25,000**	--	**81,000**	--	--	--	--	--	--	--	--	
MW-4	11/13/1998	8-26	24.74	11.02	0.00	0.00	13.72	**170,000**	--	--	--	**19,000**	**47,000**	**2,800**	**20,000**	--	**71,000**	--	--	--	--	--	--	--	--	Sample Collected at 15 ft below TOC
MW-4	1/11/1999	8-26	24.74	11.15	0.00	0.00	13.59	**180,000**	--	--	--	**27,000**	**47,000**	**3,900**	**24,000**	--	**69,000**	--	--	--	--	--	--	--	--	
MW-4	6/7/1999	8-26	24.74	10.63	0.00	0.00	14.11	**200,000**	--	--	--	**30,000**	**57,000**	**3,900**	**22,000**	--	**54,000**	--	--	--	--	--	--	--	--	
MW-4	7/14/1999	8-26	24.74	10.93	0.00	0.00	13.81	**170,000**	--	--	--	**31,000**	**62,000**	**4,300**	**25,000**	--	**65,000**	--	--	--	--	--	--	--	--	
MW-4	10/20/1999	8-26	24.74	11.98	0.00	0.00	12.76	**200,000**	--	--	--	**27,000**	**49,000**	**3,700**	**25,000**	--	**39,000**	--	--	--	--	--	--	--	--	
MW-4	1/5/2000	8-26	24.74	12.21	0.00	0.00	12.53	**180,000**	--	--	--	**31,000**	**53,000**	**4,600**	**27,000**	--	**54,000**	--	--	--	--	--	--	--	--	
MW-4	5/12/2000	8-26	24.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
MW-4	8/3/2000	8-26	24.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible - System On
MW-4	8/28/2000	8-26	24.74	10.92	0.00	0.00	13.82	**34,000**	--	--	--	**4,900**	**9,700**	**740**	**9,200**	--	**330**	--	--	--	--	--	--	--	--	
MW-4	11/2/2000	8-26	24.74	12.18	0.00	0.00	12.56	**33,000**	--	--	--	**3,900**	**7,200**	**630**	**5,900**	--	**460**	--	--	--	--	--	--	--	--	
MW-4	3/2/2001	8-26	24.74	8.18	0.00	0.00	16.56	**9,400**	--	--	--	**9,500**	**19,000**	**1,500**	**11,000**	**440**	--	<4,000	--	--	<70	<70	<70	--	--	
MW-4	5/29/2001	8-26	24.74	12.40	0.00	0.00	12.34	**110,000**	--	--	--	**13,000**	**25,000**	**2,500**	**15,000**	**610**	--	<20,000	--	--	<300	<300	<300	--	--	
MW-4	8/2/2001	8-26	24.74	11.85	0.00	0.00	12.89	**67,000**	--	--	--	**13,000**	**27,000**	**2,400**	**14,000**	**610**	--	<3,000	--	--	<50	<50	<50	--	--	
MW-4	11/9/2001	8-26	24.74	15.01	0.00	0.00	9.73	**43,000**	--	--	--	**3,600**	**4,800**	**610**	**3,500**	<50	--	<5,000	--	--	<100	<100	<100	--	--	
MW-4	2/9/2002	8-26	24.74	14.20	0.00	0.00	10.54	**16,000**	--	--	--	**1,600**	**4,400**	**620**	**4,100**	**700**	--	**5,300**	--	--	<10	<10	<10	--	--	
MW-4	5/10/2002	8-26	24.74	13.55	0.00	0.00	11.19	**40,000**	--	--	--	**2,300**	**5,100**	**590**	**3,400**	**110**	--	<2,000	--	--	<30	<30	<30	--	--	
MW-4	8/1/2002	8-26	24.74	14.72	0.00	0.00	10.02	**25,000**	--	--	--	**1,900**	**3,500**	**530**	**2,500**	**35**	--	<2,000	--	--	<30	<30	<30	--	--	
MW-4	11/7/2002	8-26	24.74	14.56	0.00	0.00	10.18	**26,000**	--	--	--	**1,500**	**1,900**	**440**	**2,700**	**16**	--	<300	--	--	<5.0	<10	<10	--	--	
MW-4	1/17/2003	8-26	24.74	11.55	0.00	0.00	13.19	**29,000**	--	--	--	**3,400**	**4,300**	**900**	**4,400**	**120**	--	<1,000	--	--	<20	<20	<20	--	--	
MW-4	5/9/2003	8-26	24.74	11.31	0.00	0.00	13.43	**34,000**	--	--	--	**5,100**	**6,000**	**1,200**	**5,300**	<500	--	<5,000	--	--	<500	<500	<500	--	--	
MW-4	7/16/2003	8-26	24.74	12.56	0.00	0.00	12.18	**26,000**	--	--	--	**4,300**	**4,800**	**1,000**	**4,400**	<500	--	<5,000	--	--	<500	<500	<500	--	--	
MW-4	11/24/2003	8-26	24.74	12.02	0.00	0.00	12.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	3/11/2004	8-26	24.75	12.99	0.00	0.00	11.76	**5,300**	--	--	--	**1,200**	**66**	**230**	**460**	<50	--	<500	--	--	<50	<50	<50	--	--	
MW-4	6/2/2004	8-26	24.75	11.90	0.00	0.00	12.85	**6,600**	--	--	--	**1,900**	**83**	**280**	**500**	<100	--	<1,000	--	--	<100	<100	<100	--	--	
MW-4	9/14/2004	8-26	24.75	12.52	0.00	0.00	12.23	**11,000**	--	--	--	**4,300**	**370**	**520**	**1,100**	**90 J**	--	**370 J**	--	--	<200	<200	<200	--	--	
MW-4	11/30/2004	8-26	24.75	12.13	0.00	0.00	12.62	**17,000**	--	--	--	**5,800**	**430**	**520**	**1,200**	**160**	--	<1,000	--	--	<100	<100	<100	--	--	
MW-4	2/16/2005	8-26	24.75	8.58	0.00	0.00	16.17	**1,100**	--	--	--	**480**	**15**	**17**	**49**	**3.1 J**	--	**11 J**	--	--	<0.25	<0.28	<0.33	--	--	Abandoned
MW-5	7/6/1998	5-25	24.80	10.98	0.00	0.00	13.82	**490**	--	--	--	**75**	**110**	**10**	**50**	--	ND	--	--	--	--	--	--	--	--	
MW-5	11/13/1998	5-25	24.80	12.27	0.00	0.00	12.53	**4,300**	--	--	--	**150**	ND	**17**	**26**	--	ND	--	--	--	--	--	--	--	--	

Well ID	Sample Date	Screen Interval (ft bTOC)	TOC (ft)	DTW (ft bTOC)	PSH thickness (ft)	PSH recovered (gal)	GW Elev (ft)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-d w/SGC (µg/L)	TPH-Jet A (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8260B) (µg/L)	MTBE (8021) (µg/L)	TBA (µg/L)	EDB (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Naphthalene	Comments
MW-5	1/11/1999	5-25	24.80	12.38	0.00	0.00	12.42	**190**	--	--	--	**97**	**1.0**	**0.54**	**2.5**	--	**8.2**	--	--	--	--	--	--	--	--	
MW-5	7/14/1999	5-25	24.80	12.10	0.00	0.00	12.70	**150**	--	--	--	**50**	**0.67**	**0.71**	**1.1**	--	ND	--	--	--	--	--	--	--	--	
MW-5	1/5/2000	5-25	24.80	12.95	0.00	0.00	11.85	**68**	--	--	--	**1.2**	<0.30	<0.30	<0.6	--	<5.0	--	--	--	--	--	--	--	--	
MW-5	8/3/2000	5-25	24.80	12.85	0.00	0.00	11.95	<50	--	--	--	<0.30	<0.30	<0.30	**0.66**	--	<5.0	--	--	--	--	--	--	--	--	
MW-5	11/2/2000	5-25	24.80	12.55	0.00	0.00	12.25	**54**	--	--	--	**6.2**	**0.40**	<0.30	**0.71**	--	<5.0	--	--	--	--	--	--	--	--	
MW-5	3/2/2001	5-25	24.80	7.90	0.00	0.00	16.90	**69**	--	--	--	**0.61**	<0.50	<0.50	<1.0	<0.50	--	<50	--	--	<1.0	<1.0	<1.0	--	--	
MW-5	5/29/2001	5-25	24.80	11.82	0.00	0.00	12.98	<50	--	--	--	<0.50	<0.50	<0.50	<1.0	<0.50	--	<50	--	--	<1.0	<1.0	<1.0	--	--	
MW-5	8/2/2001	5-25	24.80	12.46	0.00	0.00	12.34	<50	--	--	--	<0.50	<0.50	<0.50	<1.0	<0.50	--	<50	--	--	<1.0	<1.0	<1.0	--	--	
MW-5	11/9/2001	5-25	24.80	13.36	0.00	0.00	11.44	<50	--	--	--	**1.9**	<0.50	<0.50	<1.0	<0.50	--	**55**	--	--	<1.0	<1.0	<1.0	--	--	
MW-5	2/9/2002	5-25	24.75	13.78	0.00	0.00	10.97	<50	--	--	--	<0.50	<0.50	<0.50	<1.0	<0.50	--	**78**	--	--	<1.0	<1.0	<1.0	--	--	
MW-5	5/10/2002	5-25	24.75	14.00	0.00	0.00	10.75	<50	--	--	--	<0.50	<0.50	<0.50	<1.0	<0.50	--	<50	--	--	<1.0	<1.0	<1.0	--	--	
MW-5	8/1/2002	5-25	24.75	13.47	0.00	0.00	11.28	<50	--	--	--	<0.50	<0.50	<0.50	<1.0	<0.50	--	<50	--	--	<1.0	<1.0	<1.0	--	--	
MW-5	11/7/2002	5-25	24.75	13.75	0.00	0.00	11.00	**78**	--	--	--	<0.50	<0.50	<0.50	<1.0	<0.50	--	<50	--	--	<1.0	<2.0	<2.0	--	--	
MW-5	1/17/2003	5-25	24.75	12.35	0.00	0.00	12.40	<50	--	--	--	<0.50	<0.50	<0.50	<1.0	<0.50	--	<50	--	--	<1.0	<1.0	<1.0	--	--	
MW-5	5/9/2003	5-25	24.75	11.19	0.00	0.00	13.56	<50	--	--	--	<2.0	<2.0	<2.0	<4.0	<5.0	--	<50	--	--	<5.0	<5.0	<5.0	--	--	
MW-5	7/16/2003	5-25	24.75	12.81	0.00	0.00	11.94	<50	--	--	--	<2.0	<2.0	<2.0	<4.0	<5.0	--	<50	--	--	<5.0	<5.0	<5.0	--	--	
MW-5	11/24/2003	5-25	24.75	12.65	0.00	0.00	12.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5	3/11/2004	5-25	24.75	12.79	0.00	0.00	11.96	<50	--	--	--	<2.0	<2.0	<4.0	<4.0	<5.0	--	<50	--	--	<5.0	<5.0	<5.0	--	--	
MW-5	6/2/2004	5-25	24.75	12.68	0.00	0.00	12.07	<50	--	--	--	**4.2**	**2.2**	<2.0	<4.0	<5.0	--	<50	--	--	<5.0	<5.0	<5.0	--	--	
MW-5	9/14/2004	5-25	24.75	13.21	0.00	0.00	11.54	**250**	--	--	--	**66**	**22**	**18**	**50**	<5.0	--	<50	--	--	<5.0	<5.0	<5.0	--	--	
MW-5	12/1/2004	5-25	24.75	12.88	0.00	0.00	11.87	**38**	--	--	--	<2.0	<2.0	<2.0	<4.0	<5.0	--	<50	--	--	<5.0	<5.0	<5.0	--	--	
MW-5	2/16/2005	5-25	24.75	9.96	0.00	0.00	14.79	**58**	--	--	--	**15**	**8.5**	**19**	**14**	**0.45 J**	--	<3.1	--	--	<0.25	<0.28	<0.33	--	--	
MW-5	8/25/2005	5-25	24.75	10.76	0.00	0.00	13.99	**26**	--	--	--	<0.28	<0.36	<0.25	<0.502	<0.32	--	<3.1	--	--	<0.25	<0.28	<0.33	--	--	
MW-5	11/15/2005	5-25	24.75	11.22	0.00	0.00	13.53	<24	--	--	--	<0.28	<0.36	<0.25	<0.502	<0.32	--	<3.1	--	--	<0.25	<0.28	<0.33	--	--	
MW-5	2/21/2006	5-25	27.11	11.61	0.00	0.00	15.50	<25	--	--	--	<0.28	<0.36	<0.25	<0.502	<0.32	--	<3.1	--	--	<0.25	<0.28	<0.33	--	--	
MW-5	5/16/2006	5-25	27.11	10.62	0.00	0.00	16.49	**28 J**	--	--	--	<0.28	<0.36	<0.25	<0.90	<0.32	--	<3.1	--	--	<0.25	<0.28	<0.33	--	--	
MW-5	8/15/2006	5-25	27.11	11.40	0.00	0.00	15.71	<25	--	--	--	<0.28	<0.36	<0.25	<0.90	<0.32	--	<3.1	--	--	<0.25	<0.28	<0.33	--	--	
MW-5	11/21/2006	5-25	27.11	12.10	0.00	0.00	15.01	<20	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-5	2/13/2007	5-25	27.11	12.10	0.00	0.00	15.01	<20	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-5	5/22/2007	5-25	27.11	11.79	0.00	0.00	15.32	<20	<50	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-5	8/9/2007	5-25	27.11	12.13	0.00	0.00	14.98	<20	<50	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-5	11/8/2007	5-25	27.11	12.35	0.00	0.00	14.76	<20	**68 J**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-5	2/8/2008	5-25	27.11	11.41	0.00	0.00	15.70	<20	**91 J**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-5	5/5/2008	5-25	27.11	11.95	0.00	0.00	15.16	<20	<50	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-5	8/14/2008	5-25	27.11	11.95	0.00	0.00	15.16	**24 J**	<50	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-5	11/3/2008	5-25	27.11	13.12	0.00	0.00	13.99	<20	<50	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-5	2/19/2009	5-25	27.11	11.91	0.00	0.00	15.20	**26 J**	<50	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-5	5/8/2009	5-25	27.11	12.43	0.00	0.00	14.68	<22	**900**	--	--	**3.0**	<0.50	<0.50	<0.50	<0.50	--	**39**	--	--	<0.50	<0.50	<0.50	--	--	
MW-5	8/18/2009	5-25	27.11	13.24	0.00	0.00	13.87	**27 J**	**240**	--	--	**2.0**	<0.50	<0.50	<0.50	<0.50	--	**62**	--	--	<0.50	<0.50	<0.50	--	--	
MW-5	11/16/2009	5-25	27.11	13.65	0.00	0.00	13.46	**41 J**	**300**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**39**	--	--	<0.50	<0.50	<0.50	--	--	
MW-5	2/15/2010	5-25	27.11	11.70	0.00	0.00	15.41	**29 J**	**700**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**38 J**	--	<0.50	<0.50	<0.50	<0.50	--	<1.0	
MW-5	5/10/2010	5-25	27.11	12.35	0.00	0.00	14.76	**70**	**470**	--	--	**5.0**	<0.50	<0.50	<0.50	<0.50	--	**130**	--	**2.0 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-5	8/10/2010	5-25	27.11	12.68	0.00	0.00	14.43	**71**	**620**	--	--	**3.0 J**	<0.50	<0.50	<0.50	<0.50	--	**91**	--	**2.0 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-5	11/2/2010	5-25	27.11	12.87	0.00	0.00	14.24	**57**	**490**	--	--	**1.0 J**	<0.50	<0.50	<0.50	<0.50	--	**77 J**	--	**2.0 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-5	2/15/2011	5-25	27.11	11.34	0.00	0.00	15.77	**270**	**580**	--	--	**56**	<0.50	<0.50	<0.50	<0.50	--	**150**	--	**3.0 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-5	5/17/2011	5-25	27.11	11.13	0.00	0.00	15.98	**230**	**460**	--	--	**25**	**0.50 J**	<0.50	<0.50	<0.50	--	**130**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-5	8/8/2011	5-25	27.11	11.55	0.00	0.00	15.56	**150**	**570**	--	--	**18**	<0.50	<0.50	<0.50	<0.50	--	**93**	--	**3.0 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-5	8/8/2011	5-25	--	--	--	--	--	**130**	**540**	--	--	**18**	<0.50	<0.50	<0.50	<0.50	--	**93**	--	**2.0 J**	<0.50	<0.50	<0.50	<50	<1.0	Duplicate
MW-5	11/17/2011	5-25	27.11	11.82	0.00	0.00	15.29	**51**	--	<50	--	**2.0 J**	<0.50	<0.50	<0.50	<0.50	--	**38 J**	--	**2.0 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-5	2/15/2012	5-25	27.11	11.65	0.00	0.00	15.46	**47 J**	**160**	<50	--	**2.0 J**	<0.50	<0.50	<0.50	<0.50	--	**52 J**	--	**2.0 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-5	5/15/2012	5-25	27.11	11.76	0.00	0.00	15.35	**34 J**	**110**	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**42 J**	--	**1.0 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-5	8/15/2012	5-25	27.11	12.17	0.00	0.00	14.94	<22	<50	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**18 J**	--	**1.0 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-5	11/15/2012	5-25	27.11	12.46	0.00	0.00	14.65	<25	**69**	<47	--	<0.14	<0.24	<0.14	<0.24	<0.31	--	**25**	--	<0.48	<0.33	<0.44	<0.22	<50	**11**	
MW-5	2/20/2013	5-25	27.11	12.02	0.00	0.00	15.09	<22	<50	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**18 J**	--	**1.0 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-5	5/3/2013	5-25	27.11	11.86	0.00	0.00	15.25	**24 J**	--	<47	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**11 J**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-5	8/6/2013	5-25	27.11	12.43	0.00	0.00	14.68	**29 J**	--	<48	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**12 J**	--	**1.0 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-5	11/6/2013	5-25	27.11	12.92	0.00	0.00	14.19	<22	--	<48	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**7.0 J**	--	**0.80 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-5	2/26/2014	5-25	27.11	12.70	0.00	0.00	14.41	**29 J**	--	<48	--	**0.70 J**	<0.50	<0.50	**0.60 J**	<0.50	--	**11 J**	--	**1.0 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-5	6/9/2014	5-25	27.11	12.50	0.00	0.00	14.61	<22	--	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	**1.0**	<0.50	<0.50	<0.50	<50	<1.0	
MW-5	9/15/2014	5-25	27.11	13.10	0.00	0.00	14.01	**27 J**	--	<52	--	<0.50	<0.50	<0.50	<0.50	**3.0**	--	**10 J**	--	**2.0**	<0.50	<0.50	<0.50	<50	<1.0	
MW-5	12/5/2014	5-25	27.11	13.29	0.00	0.00	13.82	<22	--	<49	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**16 J**	--	**2.0**	<0.50	<0.50	<0.50	<50	<1.0	
MW-5	2/26/2015	5-25	27.11	12.85	0.00	0.00	14.26	<22	--	<48	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**20 J**	--	**2.0**	<0.50	<0.50	<0.50	<50	<1.0	
MW-5	6/17/2015	5-25	27.11	12.85	0.00	0.00	14.26	**66**	--	<42**	--	**7.0**	<0.50	<0.50	<0.50	<0.50	--	**33**	--	**2.0**	<0.50	<0.50	<0.50	<50	<1.0	
MW-5	9/3/2015	5-25	27.11	13.75	0.00	0.00	13.36	**77**	--	<42**	--	**7.0**	<0.50	<0.50	<0.50	<0.50	--	**34**	--	**3.0**	<0.50	<0.50	<0.50	<50	<1.0	
MW-5	12/1/2015	5-25	27.11	13.72	0.00	0.00	13.39	<22	--	<45**	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**8 J**	--	**2.0**	<0.50	<0.50	<0.50	<50	<1.0	
MW-5	3/10/2016	5-25	27.11	13.03	0.00	0.00	14.08	<22	<45**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**13 J**	--	**5.0**	<0.50	<0.50	<0.50	<50	<1.0	
MW-5	6/6/2016	5-25	27.11	12.56	0.00	0.00	14.55	**180**	--	<50***	--	**30**	**3.0**	**7.0**	**11**	<0.50	--	**9 J**	--	**13**	<0.50	<0.50	<0.50	<50	**1.0 J**	
MW-5	9/21/2016	5-25	27.11	14.31	0.00	0.00	12.80	**100**	--	<50***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**160**	--	**21**	**0.60 J**	<0.50	<0.50	<50	<1.0	
MW-5	12/29/2016	5-25	27.11	14.44	0.00	0.00	12.67	<22	--	**220*** **	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	**3.0**	<0.50	<0.50	<0.50	<50	<1.0	
MW-5	2/15/2017	5-25	27.11	12.70	0.00	0.00	14.41	<22	--	**140*** **	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	**3.0**	<0.50	<0.50	<0.50	<50	<1.0	
MW-5	5/11/2017	5-25	27.11	12.83	0.00	0.00	14.28	<22	--	<46***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**8 J**	--	**0.90 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-5	9/19/2017	5-25	27.11	13.27	0.00	0.00	13.84	<22	--	<51***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**7.0 J**	--	**0.60 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-5	11/30/2017	5-25	27.11	13.29	0.00	0.00	13.82	<22	--	<45***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**10 J**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-5	2/8/2018	5-25	27.11	12.96	0.00	0.00	14.15	<31	--	**53*** **	--	<0.14	<0.24	<0.14	<0.23	<0.31	--	<4.6	--	<0.24	<0.33	<0.44	<0.22	<50	<2.5	
MW-5	6/1/2018	5-25	27.11	12.67	0.00	0.00	14.44	<48	--	**22 J*** **	<43	<0.14	<0.24	<0.14	<0.23	<0.31	--	<4.6	--	<0.24	<0.33	<0.44	<0.22	<50	<5.0	
MW-5	8/22/2018	5-25	27.11	13.24	0.00	0.00	13.87	<48	--	**19 J*** **	<41	<0.30	<0.29	<0.26	<0.27	<0.30	--	<3.3	--	<0.32	<0.27	<0.27	<0.25	<54	<5.1	
MW-5	12/21/2018	5-25	27.11	13.09	0.00	0.00	14.02	<48	<16	<16	<42	<0.14	<0.13	<0.14	<0.15	<0.16	--	**5.6 J**	<0.27	**0.46 J**	<0.16	<0.12	<0.13	<53	<5.1	
MW-5	2/4/2019	5-25	27.11	12.00	0.00	0.00	15.11	<50	<50	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0	--	<10	<1.0	**0.27 J**	<2.0	<2.0	<2.0	<100	<10	
MW-6	7/6/1998	5-25	23.86	7.98	0.00	0.00	15.88	**520**	--	--	--	**6.9**	**37**	**7.0**	**42**	--	ND	--	--	--	--	--	--	--	--	
MW-6	11/13/1998	5-25	23.86	9.69	0.00	0.00	14.17	**180**	--	--	--	**0.74**	ND	**0.54**	**0.85**	--	ND	--	--	--	--	--	--	--	--	
MW-6	1/11/1999	5-25	23.86	9.90	0.00	0.00	13.96	**190**	--	--	--	ND	ND	**0.80**	**1.3**	--	ND	--	--	--	--	--	--	--	--	
MW-6	7/14/1999	5-25	23.86	9.32	0.00	0.00	14.54	**340**	--	--	--	**15**	**44**	**5.0**	**32**	--	ND	--	--	--	--	--	--	--	--	
MW-6	1/5/2000	5-25	23.86	10.99	0.00	0.00	12.87	**220**	--	--	--	<0.30	<0.30	<0.30	<0.6	--	<5.0	--	--	--	--	--	--	--	--	
MW-6	8/3/2000	5-25	23.86	11.24	0.00	0.00	12.62	**97**	--	--	--	<0.30	<0.30	**0.32**	**0.85**	--	<5.0	--	--	--	--	--	--	--	--	
MW-6	11/2/2000	5-25	23.86	10.32	0.00	0.00	13.54	**110**	--	--	--	<0.30	<0.30	**50**	**1.2**	--	<5.0	--	--	--	--	--	--	--	--	
MW-6	3/2/2001	5-25	23.86	6.12	0.00	0.00	17.74	**76**	--	--	--	<0.50	<0.50	<0.50	<1.0	<0.50	--	<50	--	--	<1.0	<1.0	<1.0	--	--	
MW-6	5/29/2001	5-25	23.86	9.69	0.00	0.00	14.17	**130**	--	--	--	<0.50	<0.50	<0.50	<1.0	<0.50	--	<50	--	--	<1.0	<1.0	<1.0	--	--	
MW-6	8/2/2001	5-25	23.86	10.25	0.00	0.00	13.61	**100**	--	--	--	<0.50	<0.50	<0.50	<1.0	<0.50	--	<50	--	--	<1.0	<1.0	<1.0	--	--	
MW-6	11/9/2001	5-25	23.86	11.73	0.00	0.00	12.13	**78**	--	--	--	<0.50	<0.50	<0.50	<1.0	<0.50	--	<50	--	--	<1.0	<1.0	<1.0	--	--	
MW-6	2/9/2002	5-25	23.08	11.74	0.00	0.00	11.34	**92**	--	--	--	<0.50	<0.50	<0.50	<1.0	<0.50	--	<50	--	--	<1.0	<1.0	<1.0	--	--	
MW-6	5/10/2002	5-25	23.08	11.50	0.00	0.00	11.58	**310**	--	--	--	**17**	**27**	**7.0**	**33**	<0.50	--	<50	--	--	<1.0	<1.0	<1.0	--	--	
MW-6	8/1/2002	5-25	23.08	11.89	0.00	0.00	11.19	**84**	--	--	--	<0.50	<0.50	<0.50	<1.0	<0.50	--	<50	--	--	<1.0	<1.0	<1.0	--	--	
MW-6	11/7/2002	5-25	23.08	11.70	0.00	0.00	11.38	**90**	--	--	--	<0.50	<0.50	<0.50	<1.0	<0.50	--	<50	--	--	<1.0	<2.0	<2.0	--	--	
MW-6	1/17/2003	5-25	23.08	10.15	0.00	0.00	12.93	**62**	--	--	--	<0.50	<0.50	<0.50	<1.0	<0.50	--	<50	--	--	<1.0	<1.0	<1.0	--	--	
MW-6	5/9/2003	5-25	23.08	9.06	0.00	0.00	14.02	**130**	--	--	--	<2.0	<2.0	<2.0	<4.0	<5.0	--	<50	--	--	<5.0	<5.0	<5.0	--	--	

Well ID	Sample Date	Screen Interval (ft bTOC)	TOC (ft)	DTW (ft bTOC)	PSH thickness (ft)	PSH recovered (gal)	GW Elev (ft)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-d w/SGC (µg/L)	TPH-Jet A (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8260B) (µg/L)	MTBE (8021) (µg/L)	TBA (µg/L)	EDB (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Naphthalene	Comments
MW-6	7/16/2003	5-25	23.08	10.03	0.00	0.00	13.05	**120**	--	--	--	<2.0	<2.0	<2.0	<4.0	<5.0	--	<50	--	--	<5.0	<5.0	<5.0	--	--	
MW-6	11/24/2003	5-25	23.08	10.55	0.00	0.00	12.53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-6	3/11/2004	5-25	23.08	10.26	0.00	0.00	12.82	<50	--	--	--	<2.0	<2.0	<2.0	<4.0	<5.0	--	<50	--	--	<5.0	<5.0	<5.0	--	--	
MW-6	6/2/2004	5-25	23.08	10.59	0.00	0.00	12.49	<50	--	--	--	<2.0	<2.0	<2.0	<4.0	<5.0	--	<50	--	--	<5.0	<5.0	<5.0	--	--	
MW-6	9/14/2004	5-25	23.08	11.40	0.00	0.00	11.68	<50	--	--	--	<2.0	<2.0	**8.2**	<4.0	<5.0	--	<50	--	--	<5.0	<5.0	<5.0	--	--	
MW-6	11/30/2004	5-25	23.08	10.92	0.00	0.00	12.16	**88**	--	--	--	**0.35 J**	<2.0	<2.0	<4.0	<5.0	--	<50	--	--	<5.0	<5.0	<5.0	--	--	
MW-6	2/16/2005	5-25	23.08	7.62	0.00	0.00	15.46	**36 J**	--	--	--	**0.38 J**	<0.36	**17**	<0.502	<0.32	--	<3.1	--	--	<0.25	<0.28	<0.33	--	--	
MW-6	8/25/2005	5-25	23.08	8.61	0.00	0.00	14.47	<24	--	--	--	<0.28	<0.36	<0.25	<0.502	<0.32	--	<3.1	--	--	<0.25	<0.28	<0.33	--	--	
MW-6	11/15/2005	5-25	23.08	9.02	0.00	0.00	14.06	**26 J**	--	--	--	<0.28	<0.36	<0.25	<0.502	<0.32	--	<3.1	--	--	<0.25	<0.28	<0.33	--	--	
MW-6	2/21/2006	5-25	26.24	9.03	0.00	0.00	17.21	**630**	--	--	--	**62**	**130**	**17**	**130**	<0.32	--	<3.1	--	--	<0.25	<0.28	<0.33	--	--	
MW-6	5/16/2006	5-25	26.24	8.28	0.00	0.00	17.96	**720**	--	--	--	**89**	**49**	**46**	**160**	<0.32	--	<3.1	--	--	<0.25	<0.28	<0.33	--	--	
MW-6	8/15/2006	5-25	26.24	8.78	0.00	0.00	17.46	**30 J**	--	--	--	<0.28	<0.36	<0.25	<0.90	<0.32	--	<3.1	--	--	<0.25	<0.28	<0.33	--	--	
MW-6	11/21/2006	5-25	26.24	9.54	0.00	0.00	16.70	<20	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-6	2/13/2007	5-25	26.24	9.59	0.00	0.00	16.65	<20	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-6	5/22/2007	5-25	26.24	9.41	0.00	0.00	16.83	<20	<50	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-6	8/9/2007	5-25	26.24	9.72	0.00	0.00	16.52	<20	<50	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-6	11/8/2007	5-25	26.24	10.11	0.00	0.00	16.13	<20	<50	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-6	2/8/2008	5-25	26.24	8.50	0.00	0.00	17.74	<20	**77 J**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-6	5/5/2008	5-25	26.24	9.48	0.00	0.00	16.76	<20	<50	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-6	8/14/2008	5-25	26.24	13.14	0.00	0.00	13.10	**20 J**	<50	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-6	11/3/2008	5-25	26.24	10.96	0.00	0.00	15.28	<20	<50	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-6	2/19/2009	5-25	26.24	8.54	0.00	0.00	17.70	<20	<50	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-6	5/8/2009	5-25	26.24	10.30	0.00	0.00	15.94	<22	**38 J**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-6	8/18/2009	5-25	26.24	10.91	0.00	0.00	15.33	<22	**58 J**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-6	11/17/2009	5-25	26.24	11.56	0.00	0.00	14.68	**43 J**	**37 J**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-6	2/15/2010	5-25	26.24	8.45	0.00	0.00	17.79	<22	<32	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	--	<1.0	
MW-6	5/10/2010	5-25	26.24	9.82	0.00	0.00	16.42	<22	<33	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-6	5/10/2010	5-25	--	--	--	--	--	<22	<33	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	Duplicate
MW-6	8/10/2010	5-25	26.24	10.05	0.00	0.00	16.19	<22	<32	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-6	8/10/2010	5-25	--	--	--	--	--	<22	<32	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	Duplicate
MW-6	11/1/2010	5-25	26.24	10.41	0.00	0.00	15.83	<22	<50	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-6	11/1/2010	5-25	--	--	--	--	--	<22	<50	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	Duplicate
MW-6	2/15/2011	5-25	26.24	8.31	0.00	0.00	17.93	**76**	**66 J**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-6	2/15/2011	5-25	--	--	--	--	--	**87**	**130**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	Duplicate
MW-6	5/17/2011	5-25	26.24	8.12	0.00	0.00	18.12	**67**	**140**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-6	5/17/2011	5-25	--	--	--	--	--	**75**	**110**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	Duplicate
MW-6	8/8/2011	5-25	26.24	8.51	0.00	0.00	17.73	**60**	**70 J**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-6	8/8/2011	5-25	--	--	--	--	--	**52**	**84 J**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	Duplicate
MW-6	11/16/2011	5-25	26.24	8.98	0.00	0.00	17.26	<22	--	<33	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-6	2/15/2012	5-25	26.24	8.90	0.00	0.00	17.34	**54**	**53 J**	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-6	5/15/2012	5-25	26.24	8.76	0.00	0.00	17.48	**47 J**	<50	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-6	5/15/2012	5-25	--	--	--	--	--	**44 J**	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	Duplicate
MW-6	8/15/2012	5-25	26.24	9.18	0.00	0.00	17.06	**50 J**	**57 J**	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-6	8/15/2012	5-25	--	--	--	--	--	**51**	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	Duplicate
MW-6	11/14/2012	5-25	26.24	9.81	0.00	0.00	16.43	**87**	**140**	**95**	--	<0.14	<0.24	<0.14	<0.24	<0.31	--	<4.6	--	<0.24	<0.33	<0.44	<0.22	<50	<2.5	
MW-6	2/20/2013	5-25	26.24	9.17	0.00	0.00	17.07	**55**	<50	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-6	5/3/2013	5-25	26.24	9.33	0.00	0.00	16.91	**49 J**	--	<47	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-6	8/6/2013	5-25	26.24	10.00	0.00	0.00	16.24	**33 J**	--	<48	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-6	11/6/2013	5-25	26.24	10.42	0.00	0.00	15.82	**46 J**	--	<47	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-6	2/25/2014	5-25	26.24	10.60	0.00	0.00	15.64	**43 J**	--	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-6	6/9/2014	5-25	26.24	10.24	0.00	0.00	16.00	<22	--	<47	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-6	9/15/2014	5-25	26.24	10.93	0.00	0.00	15.31	**28 J**	--	<51	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-6	12/5/2014	5-25	26.24	9.28	0.00	0.00	16.96	<22	--	<52	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-6	2/26/2015	5-25	26.24	10.21	0.00	0.00	16.03	**41 J**	--	<51	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-6	6/16/2015	5-25	26.24	10.53	0.00	0.00	15.71	**32 J**	--	<42**	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-6	9/3/2015	5-25	26.24	11.29	0.00	0.00	14.95	**37 J**	--	<42**	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-6	11/30/2015	5-25	26.24	11.70	0.00	0.00	14.54	<22	--	<45**	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-6	3/10/2016	5-25	26.24	10.91	0.00	0.00	15.33	<22	<45**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-6	6/6/2016	5-25	26.24	9.92	0.00	0.00	16.32	<22	--	<50***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-6	9/21/2016	5-25	26.24	11.76	0.00	0.00	14.48	<22	--	<50***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-6	12/29/2016	5-25	26.24	14.82	0.00	0.00	11.42	<22	--	<46***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-6	2/15/2017	5-25	26.24	8.71	0.00	0.00	17.53	<22	--	<45***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-6	5/11/2017	5-25	26.24	9.70	0.00	0.00	16.54	<22	--	<46***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-6	9/19/2017	5-25	26.24	10.38	0.00	0.00	15.86	<22	--	<45***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-6	11/30/2017	5-25	26.24	10.74	0.00	0.00	15.50	<22	--	<46***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-6	2/8/2018	5-25	26.24	10.45	0.00	0.00	15.79	**31 J**	--	**37 J*****	--	<0.14	<0.24	<0.14	<0.23	<0.31	--	<4.6	--	<0.24	<0.33	<0.44	<0.22	<50	<2.5	
MW-6	6/1/2018	5-25	26.24	10.04	0.00	0.00	16.20	<48	--	<15***	<41	<0.14	<0.24	<0.14	<0.23	<0.31	--	<4.6	--	<0.24	<0.33	<0.44	<0.22	<50	<5.0	
MW-6	8/22/2018	5-25	26.24	10.58	0.00	0.00	15.66	<48	--	<15***	<41	<0.30	<0.29	<0.26	<0.27	<0.30	--	<3.3	--	<0.32	<0.27	<0.27	<0.25	<54	<5.1	
MW-6	12/20/2018	5-25	26.24	10.45	0.00	0.00	15.79	<48	<16	<16	<43	<0.14	<0.13	<0.14	<0.15	<0.16	--	<3.1	<0.27	<0.19	<0.16	<0.12	<0.13	<53	<5.1	
MW-6	2/5/2019	5-25	26.24	9.31	0.00	0.00	16.93	<50	<45	<45	<45	<1.0	<1.0	<1.0	<1.0	<1.0	--	<10	<1.0	<0.50	<2.0	<2.0	<2.0	<100	<10	
MW-7	1/11/1999	5-25	24.24	11.26	0.00	0.00	12.98	**3,100**	--	--	--	**5.8**	**4.0**	**5.6**	**9.3**	--	**4,300**	--	--	--	--	--	--	--	--	
MW-7	6/7/1999	5-25	24.24	11.09	0.00	0.00	13.15	**3,000**	--	--	--	**13**	**0.76**	**2.9**	**2.4**	--	**4,300**	--	--	--	--	--	--	--	--	
MW-7	7/14/1999	5-25	24.24	11.16	0.00	0.00	13.08	**3,700**	--	--	--	**36**	**5.0**	**3.5**	**6.4**	--	**4,900**	--	--	--	--	--	--	--	--	
MW-7	10/20/1999	5-25	24.24	11.80	0.00	0.00	12.44	**5,900**	--	--	--	**83**	ND	**1.7**	**3.2**	--	**9,100**	--	--	--	--	--	--	--	--	
MW-7	1/5/2000	5-25	24.24	12.59	0.00	0.00	11.65	**4,000**	--	--	--	**230**	**2.2**	**5.8**	**5.8**	--	**7,200**	--	--	--	--	--	--	--	--	
MW-7	5/12/2000	5-25	24.24	11.99	0.00	0.00	12.25	**2,800**	--	--	--	**13**	**3.0**	**3.2**	**6.0**	--	**2,500**	--	--	--	--	--	--	--	--	
MW-7	8/3/2000	5-25	24.24	12.65	0.00	0.00	11.59	**4,200**	--	--	--	**110**	<0.8	**1.2**	<2.0	--	**7,700**	--	--	--	--	--	--	--	--	
MW-7	11/2/2000	5-25	24.24	12.36	0.00	0.00	11.88	**4,200**	--	--	--	**28**	<2.0	**2.2**	<3.0	--	**4,300**	--	--	--	--	--	--	--	--	
MW-7	3/2/2001	5-25	24.24	10.92	0.00	0.00	13.32	**390**	--	--	--	**5.7**	<5.0	<5.0	<10	**650**	--	<500	--	--	<10	<10	<10	--	--	
MW-7	5/29/2001	5-25	24.24	11.42	0.00	0.00	12.82	**1,300**	--	--	--	**30**	<0.50	<0.50	<1.0	**1,900**	--	**2,100**	--	--	<1.0	<1.0	<1.0	--	--	
MW-7	8/2/2001	5-25	24.24	11.44	0.00	0.00	12.8	**750**	--	--	--	<0.50	<0.50	<0.50	<1.0	**880**	--	**2,100**	--	--	<1.0	<1.0	<1.0	--	--	
MW-7	11/9/2001	5-25	24.24	13.05	0.00	0.00	11.19	**590**	--	--	--	**11**	<0.50	<0.50	<1.0	**210**	--	**6,300**	--	--	<1.0	<1.0	<1.0	--	--	
MW-7	2/9/2002	5-25	24.22	14.86	0.00	0.00	9.36	**4,000**	--	--	--	**180**	**3.2**	<3.0	<5.0	**3,600**	--	**12,000**	--	--	<5.0	<5.0	<5.0	--	--	
MW-7	5/10/2002	5-25	24.22	15.95	0.00	0.00	8.27	**4,300**	--	--	--	**1,400**	**12**	**5.5**	**6.9**	**1,100**	--	**36,000**	--	--	<5.0	<5.0	<5.0	--	--	
MW-7	8/1/2002	5-25	24.22	13.21	0.00	0.00	11.01	**5,600**	--	--	--	**1,600**	**15**	**4.9**	**6.8**	**720**	--	**50,000**	--	--	<5.0	<5.0	<5.0	--	--	
MW-7	11/7/2002	5-25	24.22	13.32	0.00	0.00	10.9	**4,100**	--	--	--	**1,200**	**11**	<3.0	<5.0	**490**	--	**40,000**	--	--	<5.0	<10	<10	--	--	
MW-7	1/17/2003	5-25	24.22	12.10	0.00	0.00	12.12	**760**	--	--	--	**39**	<0.50	<0.50	<1.0	**200**	--	**19,000**	--	--	<1.0	<1.0	<1.0	--	--	
MW-7	5/9/2003	5-25	24.22	10.75	0.00	0.00	13.47	**91**	--	--	--	<4.0	<4.0	<4.0	<8.0	**43**	--	**1,300**	--	--	<10	<10	<10	--	--	
MW-7	7/16/2003	5-25	24.22	11.49	0.00	0.00	12.73	<50	--	--	--	<4.0	<4.0	<4.0	<8.0	**47**	--	**1,300**	--	--	<10	<10	<10	--	--	
MW-7	11/24/2003	5-25	24.22	11.81	0.00	0.00	12.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	3/11/2004	5-25	24.22	12.21	0.00	0.00	12.01	<50	--	--	--	<10	<10	<10	<20	<25	--	**2,500**	--	--	<25	<25	<25	--	--	
MW-7	6/2/2004	5-25	24.22	12.37	0.00	0.00	11.85	<50	--	--	--	**30**	<10	<10	<20	**480**	--	**1,700**	--	--	<25	<25	<25	--	--	
MW-7	9/14/2004	5-25	24.22	12.48	0.00	0.00	11.74	**510**	--	--	--	**86 J**	**16 J**	**10 J**	**29 J**	**330**	--	**9,400**	--	--	<100	<100	<100	--	--	
MW-7	12/1/2004	5-25	24.22	11.84	0.00	0.00	12.38	**17 J**	--	--	--	<2.0	<2.0	<2.0	<4.0	<5.0	--	<50	--	--	<5.0	<5.0	<5.0	--	--	
MW-7	2/16/2005	5-25	24.22	8.80	0.00	0.00	15.42	**160**	--	--	--	**14**	**6.4**	**14**	**11**	**120**	--	**2,700**	--	--	<0.25	<0.28	<0.33	--	--	
MW-7	8/25/2005	5-25	24.22	9.55	0.00	0.00	14.67	**37**	--	--	--	<0.28	<0.36	<0.25	<0.502	**14**	--	**370**	--	--	<0.25	<0.28	<0.33	--	--	

Well ID	Sample Date	Screen Interval (ft bTOC)	TOC (ft)	DTW (ft bTOC)	PSH thickness (ft)	PSH recovered (gal)	GW Elev (ft)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-d w/SGC (µg/L)	TPH-Jet A (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8260B) (µg/L)	MTBE (8021) (µg/L)	TBA (µg/L)	EDB (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Naphthalene	Comments
MW-7	11/15/2005	5-25	24.22	10.28	0.00	0.00	13.94	**41 J**	--	--	--	<0.28	<0.36	<0.25	<0.502	**27**	ND	**230**	--	--	<0.25	<0.28	<0.33	--	--	
MW-7	2/21/2006	5-25	26.57	10.52	0.00	0.00	16.05	**83**	--	--	--	**18**	**9.1**	**1.9 J**	**11**	**16**	--	**310**	--	--	<0.25	<0.28	<0.33	--	--	
MW-7	5/16/2006	5-25	26.57	9.61	0.00	0.00	16.96	**160**	--	--	--	**7.1**	**6.1**	**2.0**	**8.6**	**6.3**	--	**1,200**	--	--	<0.25	<0.28	<0.33	--	--	
MW-7	8/15/2006	5-25	26.57	10.16	0.00	0.00	16.41	**28 J**	--	--	--	<0.28	<0.36	<0.25	<0.90	**12**	--	**230**	--	--	<0.25	<0.28	<0.33	--	--	
MW-7	11/21/2006	5-25	26.57	11.07	0.00	0.00	15.50	**28 J**	--	--	--	<0.50	<0.50	<0.50	<0.50	**8.0**	--	**86**	--	--	<0.50	<0.50	<0.50	--	--	
MW-7	2/13/2007	5-25	26.57	11.45	0.00	0.00	15.12	**64**	--	--	--	<0.50	<0.50	<0.50	<0.50	**7.0**	--	**420**	--	--	<0.50	<0.50	<0.50	--	--	
MW-7	5/22/2007	5-25	26.57	11.25	0.00	0.00	15.32	**91**	**560**	--	--	<0.50	<0.50	<0.50	<0.50	**5.0**	--	**1,200**	--	--	<0.50	<0.50	<0.50	--	--	
MW-7	8/9/2007	5-25	26.57	11.23	0.00	0.00	15.34	**110**	**580**	--	--	<0.50	<0.50	<0.50	<0.50	**5.0**	--	**1,700**	--	--	<0.50	<0.50	<0.50	--	--	
MW-7	11/8/2007	5-25	26.57	11.40	0.00	0.00	15.17	**110**	**370**	--	--	<0.50	<0.50	<0.50	<0.50	**5.0**	--	**1,700**	--	--	<0.50	<0.50	<0.50	--	--	
MW-7	2/8/2008	5-25	26.57	10.66	0.00	0.00	15.91	**110**	**730**	--	--	<0.50	<0.50	<0.50	<0.50	**5.0**	--	**1,800**	--	--	<0.50	<0.50	<0.50	--	--	
MW-7	5/5/2008	5-25	26.57	10.77	0.00	0.00	15.80	**84**	**250**	--	--	<0.50	<0.50	<0.50	<0.50	**5.0**	--	**2,100**	--	--	<0.50	<0.50	<0.50	--	--	
MW-7	8/14/2008	5-25	26.57	11.44	0.00	0.00	15.13	**62**	<50	--	--	<0.50	<0.50	<0.50	<0.50	**8.0**	--	**1,200**	--	--	<0.50	<0.50	<0.50	--	--	
MW-7	11/3/2008	5-25	26.57	12.00	0.00	0.00	14.57	**47**	**71**	--	--	<0.50	<0.50	<0.50	<0.50	**5.0**	--	**400**	--	--	<0.50	<0.50	<0.50	--	--	
MW-7	2/19/2009	5-25	26.57	11.08	0.00	0.00	15.49	<20	<50	--	--	<0.50	<0.50	<0.50	<0.50	**0.50 J**	--	**3.0 J**	--	--	<0.50	<0.50	<0.50	--	--	
MW-7	5/8/2009	5-25	26.57	11.25	0.00	0.00	15.32	<22	**66 J**	--	--	<0.50	<0.50	<0.50	<0.50	**0.60 J**	--	**190**	--	--	<0.50	<0.50	<0.50	--	--	
MW-7	8/18/2009	5-25	26.57	11.92	0.00	0.00	14.65	**24 J**	<32	--	--	<0.50	<0.50	<0.50	<0.50	**2.0**	--	**370**	--	--	<0.50	<0.50	<0.50	--	--	
MW-7	11/16/2009	5-25	26.57	12.82	0.00	0.00	13.75	**39 J**	**370**	--	--	<0.50	<0.50	<0.50	<0.50	**1.0**	--	**320**	--	--	<0.50	<0.50	<0.50	--	--	
MW-7	2/16/2010	5-25	26.57	10.58	0.00	0.00	15.99	<22	**92 J**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**22 J**	--	<0.50	<0.50	<0.50	<0.50	--	<1.0	
MW-7	5/10/2010	5-25	26.57	10.86	0.00	0.00	15.71	<22	<33	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**53 J**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-7	8/10/2010	5-25	26.57	11.38	0.00	0.00	15.19	**44 J**	**120**	--	--	<0.50	<0.50	<0.50	<0.50	**2.0 J**	--	**220**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-7	8/10/2010	5-25	--	--	--	--	--	**34 J**	**82 J**	--	--	<0.50	<0.50	<0.50	<0.50	**2.0 J**	--	**180**	--	<0.50	<0.50	<0.50	<0.50	<50	**1.0 J**	Duplicate
MW-7	11/1/2010	5-25	26.57	11.79	0.00	0.00	14.78	**26 J**	<50	--	--	<0.50	<0.50	<0.50	<0.50	**3.0 J**	--	**250**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-7	11/1/2010	5-25	--	--	--	--	--	**23 J**	<50	--	--	<0.50	<0.50	<0.50	<0.50	**3.0 J**	--	**230**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	Duplicate
MW-7	2/15/2011	5-25	26.57	9.62	0.00	0.00	16.95	<22	**70 J**	--	--	<0.50	<0.50	<0.50	<0.50	**0.60 J**	--	**30 J**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-7	5/17/2011	5-25	26.57	9.82	0.00	0.00	16.75	<22	**120**	--	--	**0.60 J**	<0.50	<0.50	<0.50	**3.0 J**	--	**92**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-7	8/8/2011	5-25	26.57	10.27	0.00	0.00	16.30	<22	<50	--	--	<0.50	<0.50	<0.50	<0.50	**6.0**	--	**81**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-7	11/16/2011	5-25	26.57	10.77	0.00	0.00	15.80	<22	--	<50	--	<0.50	<0.50	<0.50	<0.50	**12**	--	**65 J**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-7	2/15/2012	5-25	26.57	10.85	0.00	0.00	15.72	**35 J**	<50	<50	--	<0.50	<0.50	<0.50	<0.50	**10**	--	**150**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-7	5/15/2012	5-25	26.57	10.88	0.00	0.00	15.69	**31 J**	<50	<50	--	<0.50	<0.50	<0.50	<0.50	**8.0**	--	**160**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-7	8/15/2012	5-25	26.57	11.27	0.00	0.00	15.30	<22	<50	<50	--	<0.50	<0.50	<0.50	<0.50	**7.0**	--	**190**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-7	8/15/2012	5-25	--	--	--	--	--	**30 J**	--	--	--	<0.50	<0.50	<0.50	<0.50	**7.0**	--	**210**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	Duplicate
MW-7	11/14/2012	5-25	26.57	11.71	0.00	0.00	14.86	**49 J**	**51**	<47	--	<0.14	<0.24	<0.14	<0.24	**5.1**	--	**59**	--	<0.24	<0.33	<0.44	<0.22	<50	<2.5	
MW-7	2/20/2013	5-25	26.57	11.50	0.00	0.00	15.07	<22	**53 J**	<50	--	<0.50	<0.50	<0.50	<0.50	**4.0 J**	--	**46 J**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-7	2/20/2013	5-25	--	--	--	--	--	<22	<50	<50	--	<0.50	<0.50	<0.50	<0.50	**4.0 J**	--	**44 J**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	Duplicate
MW-7	5/3/2013	5-25	26.57	11.37	0.00	0.00	15.20	**25 J**	--	<48	--	<0.50	<0.50	<0.50	<0.50	**5.0**	--	**430**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-7	8/6/2013	5-25	26.57	11.59	0.00	0.00	14.98	**73**	--	<49	--	<0.50	<0.50	<0.50	<0.50	**6.0**	--	**680**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-7	11/6/2013	5-25	26.57	12.58	0.00	0.00	13.99	**55**	--	<50	--	<0.50	<0.50	<0.50	<0.50	**4.0 J**	--	**330**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-7	2/25/2014	5-25	26.57	12.10	0.00	0.00	14.47	**30 J**	--	<48	--	<0.50	<0.50	<0.50	<0.50	**0.70 J**	--	**54 J**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-7	6/9/2014	5-25	26.57	11.70	0.00	0.00	14.87	**45 J**	--	<48	--	<0.50	<0.50	<0.50	<0.50	**2.0**	--	**360**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-7	9/15/2014	5-25	26.57	12.09	0.00	0.00	14.48	**32 J**	--	<52	--	<0.50	<0.50	<0.50	<0.50	**3.0**	--	**310**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-7	12/5/2014	5-25	26.57	12.41	0.00	0.00	14.16	**41 J**	--	<51	--	<0.50	<0.50	<0.50	<0.50	**1.0**	--	**410**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-7	2/26/2015	5-25	26.57	11.96	0.00	0.00	14.61	<22	--	<51	--	<0.50	<0.50	<0.50	<0.50	**0.60 J**	--	**21**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-7	6/17/2015	5-25	26.57	11.77	0.00	0.00	14.80	**37 J**	--	<42**	--	<0.50	<0.50	<0.50	<0.50	**3.0**	--	**270**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-7	9/3/2015	5-25	26.57	12.45	0.00	0.00	14.12	**55**	--	<42**	--	<0.50	**0.50 J**	<0.50	**0.70 J**	**3.0**	--	**430**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-7	12/1/2015	5-25	26.57	12.98	0.00	0.00	13.59	<22	--	<45**	--	<0.50	<0.50	<0.50	<0.50	**0.60 J**	--	**18 J**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-7	3/10/2016	5-25	26.57	12.01	0.00	0.00	14.56	**71**	<45**	--	--	<0.50	<0.50	<0.50	<0.50	**3.0**	--	**1,200**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-7	6/6/2016	5-25	26.57	11.82	0.00	0.00	14.75	**35 J**	--	<50***	--	<0.50	<0.50	<0.50	<0.50	**0.80 J**	--	**210**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-7	9/21/2016	5-25	26.57	12.09	0.00	0.00	14.48	**520**	--	<50***	--	**61**	**4.0**	**29**	**61**	**5.0**	--	**510**	--	<0.50	<0.50	<0.50	<0.50	<50	**6.0**	
MW-7	12/29/2016	5-25	26.57	14.10	0.00	0.00	12.47	**120**	--	<46***	--	<0.50	<0.50	<0.50	<0.50	**6.0**	--	**760**	--	<0.50	<0.50	<0.50	<0.50	<50	**2.0 J**	
MW-7	2/15/2017	5-25	26.57	10.31	0.00	0.00	16.26	**30 J**	--	<46***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**110**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-7	5/12/2017	5-25	26.57	11.80	0.00	0.00	14.77	<22	--	<45***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-7	9/20/2017	5-25	26.57	13.04	0.00	0.00	13.53	<22	--	<46***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**12 J**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-7	11/30/2017	5-25	26.57	13.30	0.00	0.00	13.27	**52**	--	<45***	--	<0.50	<0.50	<0.50	<0.50	**2.0**	--	**300**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-7	2/8/2018	5-25	26.57	12.94	0.00	0.00	13.63	**38 J**	--	**67*** **	--	<0.14	<0.24	<0.14	<0.23	**2.0**	--	**110**	--	<0.24	<0.33	<0.44	<0.22	<50	<2.5	
MW-7	6/1/2018	5-25	26.57	12.23	0.00	0.00	14.34	<48	--	**64*** **	<41	<0.14	<0.24	<0.14	<0.23	<0.31	--	<4.6	--	<0.24	<0.33	<0.44	<0.22	<50	<5.0	
MW-7	8/22/2018	5-25	26.57	12.66	0.00	0.00	13.91	<48	--	**17 J*** **	<40	<0.30	<0.29	<0.26	<0.27	<0.30	--	<3.3	--	<0.32	<0.27	<0.27	<0.25	<54	<5.1	
MW-7	12/20/2018	5-25	26.57	12.76	0.00	0.00	13.81	<48	<16	<16	<43	<0.14	<0.13	<0.14	<0.15	**0.20 J**	--	<3.1	<0.27	<0.19	<0.16	<0.12	<0.13	<53	<5.1	
MW-7	2/5/2019	5-25	26.57	10.77	0.00	0.00	15.80	<50	<49	<49	<49	<1.0	<1.0	<1.0	<1.0	<1.0	--	<10	<1.0	<0.50	<2.0	<2.0	<2.0	<100	<10	
MW-8	1/11/1999	5-25	24.68	11.73	0.00	0.00	12.95	**16,000**	--	--	--	**1,200**	**950**	**380**	**1,800**	--	**9,200**	--	--	--	--	--	--	--	--	
MW-8	6/7/1999	5-25	24.68	11.52	0.00	0.00	13.16	**37,000**	--	--	--	**7,600**	**3,600**	**710**	**3,200**	--	**8,100**	--	--	--	--	--	--	--	--	
MW-8	7/14/1999	5-25	24.68	11.61	0.00	0.00	13.07	**16,000**	--	--	--	**3,600**	**1,000**	**290**	**1,100**	--	**7,500**	--	--	--	--	--	--	--	--	
MW-8	10/20/1999	5-25	24.68	12.28	0.00	0.00	12.4	**27,000**	--	--	--	**5,500**	**280**	**480**	**1,300**	--	**13,000**	--	--	--	--	--	--	--	--	
MW-8	1/5/2000	5-25	24.68	12.55	0.00	0.00	12.13	**56,000**	--	--	--	**13,000**	**7,000**	**1,500**	**7,100**	--	**14,000**	--	--	--	--	--	--	--	--	
MW-8	5/12/2000	5-25	24.68	13.29	0.00	0.00	11.39	**15,000**	--	--	--	**960**	**14**	**7.5**	**43**	--	**16,000**	--	--	--	--	--	--	--	--	No Purge Sample
MW-8	8/3/2000	5-25	24.68	15.38	0.00	0.00	9.30	**46,000**	--	--	--	**14,000**	**4,500**	**1,400**	**4,100**	--	**4,700**	--	--	--	--	--	--	--	--	
MW-8	8/28/2000	5-25	24.68	12.73	0.00	0.00	11.95	**47,000**	--	--	--	**15,000**	**5,400**	**1,300**	**5,600**	--	**11,000**	--	--	--	--	--	--	--	--	
MW-8	11/2/2000	5-25	24.68	12.90	0.00	0.00	11.78	**40,000**	--	--	--	**11,000**	**3,700**	**1,100**	**4,200**	--	**10,000**	--	--	--	--	--	--	--	--	
MW-8	3/2/2001	5-25	24.68	11.36	0.00	0.00	13.32	**11,000**	--	--	--	**2,900**	**520**	**150**	**870**	**2,400**	--	**1,700**	--	--	<10	<10	<10	--	--	
MW-8	5/29/2001	5-25	24.68	11.87	0.00	0.00	12.81	**2,900**	--	--	--	**570**	**39**	**35**	**100**	**1,500**	--	**9,400**	--	--	<1.0	<1.0	<1.0	--	--	
MW-8	8/2/2001	5-25	24.68	11.86	0.00	0.00	12.82	**2,300**	--	--	--	**480**	**12**	**5.1**	**27**	**530**	--	**7,400**	--	--	<1.0	<1.0	<1.0	--	--	
MW-8	11/9/2001	5-25	24.68	14.30	0.00	0.00	10.38	**13,000**	--	--	--	**5,700**	**1,000**	**890**	**1,500**	**1,800**	--	**5,600**	--	--	<100	<100	<100	--	--	
MW-8	2/9/2002	5-25	24.71	17.00	0.00	0.00	7.71	**76,000**	--	--	--	**15,000**	**6,700**	**2,100**	**8,800**	**850**	--	<5,000	--	--	<100	<100	<100	--	--	
MW-8	5/10/2002	5-25	24.71	18.16	0.00	0.00	6.55	**90,000**	--	--	--	**16,000**	**7,100**	**1,400**	**6,700**	**330**	--	<2,000	--	--	<30	<30	<30	--	--	
MW-8	8/1/2002	5-25	24.71	16.88	0.00	0.00	7.83	**76,000**	--	--	--	**17,000**	**7,300**	**1,600**	**7,200**	**260**	--	**2,700**	--	--	<30	<30	<30	--	--	
MW-8	11/7/2002	5-25	24.71	16.45	0.00	0.00	8.26	**76,000**	--	--	--	**14,000**	**5,400**	**1,700**	**7,900**	**1,100**	--	<20,000	--	--	<300	<500	<500	--	--	
MW-8	1/17/2003	5-25	24.71	13.82	0.00	0.00	10.89	**60,000**	--	--	--	**12,000**	**4,800**	**1,700**	**10,000**	**6,100**	--	**39,000**	--	--	<50	<50	<50	--	--	
MW-8	5/9/2003	5-25	24.71	11.22	0.00	0.00	13.49	**4,200**	--	--	--	**810**	**24**	<20	**79**	**1,100**	--	**3,500**	--	--	<50	<50	<50	--	--	
MW-8	7/16/2003	5-25	24.71	11.87	0.00	0.00	12.84	**1,600**	--	--	--	**89**	<20	<20	<40	**500**	--	**4,800**	--	--	<50	<50	<50	--	--	
MW-8	11/24/2003	5-25	24.71	12.30	0.00	0.00	12.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	3/11/2004	5-25	24.71	14.02	0.00	0.00	10.69	**9,900**	--	--	--	**2,500**	**170**	**230**	**740**	**1,700**	--	**6,400**	--	--	<100	<100	<100	--	--	
MW-8	6/2/2004	5-25	24.71	12.54	0.00	0.00	12.17	**28,000**	--	--	--	**1,100**	**880**	**1,300**	**3,800**	**4,200**	--	<1,000	--	--	<100	<100	<100	--	--	
MW-8	9/14/2004	5-25	24.71	12.70	0.00	0.00	12.01	**34,000**	--	--	--	**16,000**	**930**	**1,500**	**3,300**	**780 J**	--	**3,200 J**	--	--	<1,000	<1,000	<1,000	--	--	
MW-8	12/1/2004	5-25	24.71	12.31	0.00	0.00	12.40	**27,000**	--	--	--	**9,000**	**300**	**1,200**	**2,900**	**6,000**	--	**6,400**	--	--	<500	<500	<500	--	--	
MW-8	2/16/2005	5-25	24.71	9.21	0.00	0.00	15.50	**16,000**	--	--	--	**7,100**	**160**	**150**	**1,300**	**1,600**	--	**3,600**	--	--	**1.4 J**	<0.28	<0.33	--	--	Abandoned
MW-9	8/28/2000	15-25	--	--	--	--	--	**66,000**	--	--	--	**12,000**	**19,000**	**1,500**	**12,000**	--	**610**	--	--	--	--	--	--	--	--	
MW-9	3/2/2001	15-25	--	11.94	0.00	0.00	--	**54,000**	--	--	--	**5,900**	**5,800**	<50	**8,700**	**76**	--	<5,000	--	--	<100	<100	<100	--	--	
MW-9	5/29/2001	15-25	25.58	13.20	0.00	0.00	12.38	**96,000**	--	--	--	**14,000**	**22,000**	**2,200**	**13,000**	<200	--	<20,000	--	--	<300	<300	<300	--	--	
MW-9	8/2/2001	15-25	25.58	12.55	0.00	0.00	13.03	**56,000**	--	--	--	**10,000**	**12,000**	**1,400**	**9,100**	<200	--	<20,000	--	--	<300	<300	<300	--	--	
MW-9	11/9/2001	15-25	25.58	16.12	0.00	0.00	9.46	**53,000**	--	--	--	**4,700**	**11,000**	**770**	**6,300**	<100	--	<10,000	--	--	<200	<200	<200	--	--	
MW-9	2/9/2002	15-25	25.56	14.92	0.00	0.00	10.64	**50,000**	--	--	--	**5,900**	**9,600**	**1,500**	**8,000**	<100	--	<10,000	--	--	<200	<200	<200	--	--	
MW-9	5/10/2002	15-25	25.56	14.20	0.00	0.00	11.36	**64,000**	--	--	--	**5,100**	**9,500**	**940**	**5,600**	**25**	--	<2,000	--	--	<30	<30	<30	--	--	
MW-9	8/1/2002	15-25	25.56	13.61	0.00	0.00	11.95	**80,000**	--	--	--	**9,600**	**18,000**	**1,800**	**12,000**	**23**	--	<2,000	--	--	<30	<30	<30	--	--	
MW-9	11/7/2002	15-25	25.56	16.45	0.00	0.00	9.11	**17,000**	--	--	--	**2,400**	**4,100**	**560**	**4,200**	<50	--	<5,000	--	--	<100	<200	<200	--	--	
MW-9	1/17/2003	15-25	25.56	12.39	0.00	0.00	13.17	**65,000**	--	--	--	**7,200**	**13,000**	**2,100**	**13,000**	**86**	--	<3,000	--	--	<50	<50	<50	--	--	
MW-9	5/9/2003	15-25	25.56	12.67	0.00	0.00	12.89	**46,000**	--	--	--	**7,700**	**13,000**	**1,900**	**10,000**	<1,000	--	<10,000	--	--	<1,000	<1,000	<1,000	--	--	

Well ID	Sample Date	Screen Interval (ft bTOC)	TOC (ft)	DTW (ft bTOC)	PSH thickness (ft)	PSH recovered (gal)	GW Elev (ft)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-d w/SGC (µg/L)	TPH-Jet A (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8260B) (µg/L)	MTBE (8021) (µg/L)	TBA (µg/L)	EDB (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Naphthalene	Comments
MW-9	7/16/2003	15-25	25.56	14.74	0.00	0.00	10.82	**47,000**	--	--	--	**7,200**	**13,000**	**1,800**	**11,000**	<1,000	--	<10,000	--	--	<1,000	<1,000	<1,000	--	--	
MW-9	11/24/2003	15-25	25.56	13.45	0.00	0.00	12.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	3/11/2004	15-25	25.56	14.53	0.00	0.00	11.03	**25,000**	--	--	--	**3,100**	**4,200**	**490**	**3,400**	<200	--	<2,000	--	--	<200	<200	<200	--	--	
MW-9	6/2/2004	15-25	25.56	13.20	0.00	0.00	12.36	**6,600**	--	--	--	**1,900**	**2,400**	**150**	**1,200**	<200	--	<2,000	--	--	<200	<200	<200	--	--	
MW-9	9/14/2004	15-25	25.56	13.86	0.00	0.00	11.70	**15,000**	--	--	--	**3,400**	**4,100**	**430**	**2,400**	<250	--	**470 J**	--	--	<250	<250	<250	--	--	
MW-9	11/30/2004	15-25	25.56	13.56	0.00	0.00	12.00	**15,000**	--	--	--	**3,300**	**5,000**	**320**	**1,800**	<250	--	<2,500	--	--	<250	<250	<250	--	--	
MW-9	2/16/2005	15-25	25.56	10.40	0.00	0.00	15.16	**6,300**	--	--	--	**1,500**	**1,300**	**140**	**880**	**9.6 J**	--	**120 J**	--	--	<1.2	<1.4	<1.6	--	--	Abandoned
MW-10	8/28/2000	15-25	--	--	--	--	--	**57,000**	--	--	--	**6,800**	**16,000**	**1,600**	**14,000**	--	**1,900**	--	--	--	--	--	--	--	--	
MW-10	3/2/2001	15-25	--	11.67	0.00	0.00	--	**81,000**	--	--	--	**5,200**	**8,900**	**960**	**9,100**	**1,900**	--	<5,000	--	--	<100	<100	<100	--	--	
MW-10	5/29/2001	15-25	25.34	12.92	0.00	0.00	12.42	**120,000**	--	--	--	**20,000**	**30,000**	**2,300**	**13,000**	**5,600**	--	<20,000	--	--	<300	<300	<300	--	--	
MW-10	8/2/2001	15-25	25.34	12.29	0.00	0.00	13.05	**110,000**	--	--	--	**21,000**	**36,000**	**2,400**	**14,000**	**5,300**	--	<30,000	--	--	<500	<500	<500	--	--	
MW-10	11/9/2001	15-25	25.34	15.92	0.00	0.00	9.42	**74,000**	--	--	--	**13,000**	**25,000**	**2,200**	**17,000**	**2,600**	--	<20,000	--	--	<300	<300	<300	--	--	
MW-10	2/9/2002	15-25	25.32	15.13	0.00	0.00	10.19	**130,000**	--	--	--	**15,000**	**29,000**	**2,900**	**17,000**	**1,800**	--	<5,000	--	--	<100	<100	<100	--	--	
MW-10	5/10/2002	15-25	25.32	13.61	0.00	0.00	11.71	**65,000**	--	--	--	**4,500**	**9,500**	**790**	**5,800**	**720**	--	**4,200**	--	--	<30	<30	<30	--	--	
MW-10	8/1/2002	15-25	25.32	17.30	0.00	0.00	8.02	**97,000**	--	--	--	**11,000**	**21,000**	**1,500**	**13,000**	**1,600**	--	<3,000	--	--	<50	<50	<50	--	--	
MW-10	11/7/2002	15-25	25.32	15.48	0.00	0.00	9.84	**140,000**	--	--	--	**14,000**	**29,000**	**2,500**	**17,000**	**1,200**	--	<30,000	--	--	<500	<1,000	<1,000	--	--	
MW-10	1/17/2003	15-25	25.32	12.26	0.00	0.00	13.06	**110,000**	--	--	--	**13,000**	**26,000**	**2,300**	**17,000**	**850**	--	<5,000	--	--	<100	<100	<100	--	--	
MW-10	5/9/2003	15-25	25.32	11.95	0.00	0.00	13.37	**110,000**	--	--	--	**18,000**	**29,000**	**2,900**	**18,000**	<2,000	--	<20,000	--	--	<2,000	<2,000	<2,000	--	--	
MW-10	7/16/2003	15-25	25.32	13.21	0.00	0.00	12.11	**100,000**	--	--	--	**17,000**	**32,000**	**3,100**	**20,000**	<2,000	--	<20,000	--	--	<2,000	<2,000	<2,000	--	--	
MW-10	11/24/2003	15-25	25.32	12.55	0.00	0.00	12.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	3/11/2004	15-25	25.32	13.72	0.00	0.00	11.6	**50,000**	--	--	--	**10,000**	**15,000**	**2,300**	**15,000**	<500	--	<5,000	--	--	<500	<500	<500	--	--	
MW-10	6/2/2004	15-25	25.32	12.45	0.00	0.00	12.87	**48,000**	--	--	--	**6,300**	**8,800**	**1,600**	**9,800**	<500	--	<5,000	--	--	<500	<500	<500	--	--	
MW-10	9/14/2004	15-25	25.32	13.10	0.00	0.00	12.22	**31,000**	--	--	--	**3,300**	**1,600**	**560**	**3,100**	**170 J**	--	<2,000	--	--	<200	<200	<200	--	--	
MW-10	11/30/2004	15-25	25.32	12.73	0.00	0.00	12.59	**28,000**	--	--	--	**6,900**	**1,500**	**720**	**7,400**	**390**	--	<2,500	--	--	<250	<250	<250	--	--	
MW-10	2/16/2005	15-25	25.32	9.21	0.00	0.00	16.11	**48,000**	--	--	--	**17,000**	**14,000**	**2,200**	**13,000**	**540**	--	**370 J**	--	--	<5.0	<5.6	<6.6	--	--	Abandoned
MW-11	8/28/2000	15-25	--	--	--	--	--	**5,100**	--	--	--	**1,200**	**630**	**150**	**650**	--	**270**	--	--	--	--	--	--	--	--	
MW-11	3/2/2001	15-25	--	11.95	0.00	0.00	--	**8,300**	--	--	--	**820**	**620**	**34**	**350**	**200**	--	<500	--	--	<10	<10	<10	--	--	
MW-11	5/29/2001	15-25	25.23	13.65	0.00	0.00	11.58	**15,000**	--	--	--	**1,600**	**1,700**	**420**	**1,500**	**150**	--	<2,000	--	--	<30	<30	<30	--	--	
MW-11	8/2/2001	15-25	25.23	13.05	0.00	0.00	12.18	**12,000**	--	--	--	**2,700**	**2,200**	**570**	**2,300**	**180**	--	<3,000	--	--	<50	<50	<50	--	--	
MW-11	11/9/2001	15-25	25.23	15.10	0.00	0.00	10.13	**17,000**	--	--	--	**3,200**	**1,300**	**730**	**2,900**	**120**	--	<3,000	--	--	<50	<50	<50	--	--	
MW-11	2/9/2002	15-25	25.23	15.29	0.00	0.00	9.94	**18,000**	--	--	--	**2,700**	**870**	**1,000**	**3,300**	**62**	--	<3,000	--	--	<50	<50	<50	--	--	
MW-11	5/10/2002	15-25	25.23	14.60	0.00	0.00	10.63	**18,000**	--	--	--	**2,100**	**250**	**600**	**2,100**	**56**	--	<2,000	--	--	<30	<30	<30	--	--	
MW-11	8/1/2002	15-25	25.23	15.78	0.00	0.00	9.45	**15,000**	--	--	--	**1,800**	**210**	**560**	**1,800**	**38**	--	<500	--	--	<10	<10	<10	--	--	
MW-11	11/7/2002	15-25	25.23	15.52	0.00	0.00	9.71	**19,000**	--	--	--	**1,600**	**89**	**340**	**1,200**	**56**	--	**250**	--	--	**7.5**	<2.0	<2.0	--	--	
MW-11	1/17/2003	15-25	25.23	12.44	0.00	0.00	12.79	**6,500**	--	--	--	**950**	**21**	**150**	**330**	**40**	--	<300	--	--	<5.0	<5.0	<5.0	--	--	
MW-11	5/9/2003	15-25	25.23	12.65	0.00	0.00	12.58	**10,000**	--	--	--	**1,500**	**52**	**170**	**870**	**64**	--	**180**	--	--	<5.0	<5.0	<5.0	--	--	
MW-11	7/16/2003	15-25	25.23	13.65	0.00	0.00	11.58	**9,400**	--	--	--	**1,500**	**55**	**390**	**980**	<100	--	<1,000	--	--	<100	<100	<100	--	--	
MW-11	11/24/2003	15-25	25.23	12.60	0.00	0.00	12.63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-11	3/11/2004	15-25	25.23	13.84	0.00	0.00	11.39	**12,000**	--	--	--	**1,300**	<40	**380**	**620**	**230**	--	<1,000	--	--	<100	<100	<100	--	--	
MW-11	6/2/2004	15-25	25.23	12.61	0.00	0.00	12.62	**690**	--	--	--	**1,600**	**53**	**470**	**680**	**330**	--	<1,000	--	--	<100	<100	<100	--	--	
MW-11	9/14/2004	15-25	25.23	13.10	0.00	0.00	12.13	**7,000**	--	--	--	**2,000**	**260**	**430**	**910**	**340**	--	**230 J**	--	--	<100	<100	<100	--	--	
MW-11	11/30/2004	15-25	25.23	12.67	0.00	0.00	12.56	**5,700**	--	--	--	**1,200**	**12 J**	**49**	**91**	**360**	--	<1,000	--	--	<100	<100	<100	--	--	
MW-11	2/16/2005	15-25	25.23	9.32	0.00	0.00	15.91	**2,200**	--	--	--	**500**	**16**	**57**	**71**	**64**	--	**110**	--	--	**0.82 J**	<0.506	<0.66	--	--	Abandoned
MW-12	8/28/2000	15-25	--	--	--	--	--	**23,000**	--	--	--	**5,400**	**5,200**	**880**	**4,200**	--	**160**	--	--	--	--	--	--	--	--	
MW-12	3/2/2001	15-25	--	11.69	0.00	0.00	--	**36,000**	--	--	--	**4,300**	**3,700**	**880**	**3,700**	**41**	--	<3,000	--	--	<50	<50	<50	--	--	
MW-12	5/29/2001	15-25	25.35	13.55	0.00	0.00	11.80	**68,000**	--	--	--	**12,000**	**13,000**	**1,500**	**8,300**	<200	--	<20,000	--	--	<300	<300	<300	--	--	
MW-12	8/2/2001	15-25	25.35	12.42	0.00	0.00	12.93	**54,000**	--	--	--	**14,000**	**9,900**	**1,500**	**8,200**	<200	--	<20,000	--	--	<300	<300	<300	--	--	
MW-12	11/9/2001	15-25	25.35	15.45	0.00	0.00	9.90	**50,000**	--	--	--	**12,000**	**8,000**	**1,600**	**7,900**	<100	--	<10,000	--	--	<200	<200	<200	--	--	
MW-12	2/9/2002	15-25	25.32	15.46	0.00	0.00	9.86	**42,000**	--	--	--	**11,000**	**3,100**	**1,500**	**7,100**	<30	--	<3,000	--	--	<50	<50	<50	--	--	
MW-12	5/10/2002	15-25	25.32	14.70	0.00	0.00	10.62	**77,000**	--	--	--	**13,000**	**4,800**	**1,200**	**6,000**	<20	--	<2,000	--	--	<30	<30	<30	--	--	
MW-12	8/1/2002	15-25	25.32	20.43	0.00	0.00	4.89	**61,000**	--	--	--	**8,500**	**11,000**	**790**	**5,200**	**100**	--	<2,000	--	--	<30	<30	<30	--	--	
MW-12	11/7/2002	15-25	25.32	16.82	0.00	0.00	8.50	**24,000**	--	--	--	**4,200**	**3,900**	**400**	**3,300**	**1,100**	--	<20,000	--	--	<300	<500	<500	--	--	
MW-12	1/17/2003	15-25	25.32	12.45	0.00	0.00	12.87	**44,000**	--	--	--	**7,400**	**7,100**	**1,100**	**7,500**	**350**	--	<3,000	--	--	<50	<50	<50	--	--	
MW-12	5/9/2003	15-25	25.32	13.36	0.00	0.00	11.96	**60,000**	--	--	--	**9,600**	**9,000**	**1,400**	**8,200**	<500	--	<5,000	--	--	<500	<500	<500	--	--	
MW-12	7/16/2003	15-25	25.32	14.81	0.00	0.00	10.51	**40,000**	--	--	--	**7,700**	**8,700**	**790**	**8,800**	<500	--	<5,000	--	--	<500	<500	<500	--	--	
MW-12	11/24/2003	15-25	25.32	13.72	0.00	0.00	11.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-12	3/11/2004	15-25	25.32	15.12	0.00	0.00	10.20	**32,000**	--	--	--	**7,300**	**6,300**	**970**	**6,700**	<500	--	<5,000	--	--	<500	<500	<500	--	--	
MW-12	6/2/2004	15-25	25.32	12.23	0.00	0.00	12.09	**23,000**	--	--	--	**7,400**	**5,300**	**620**	**4,400**	<500	--	<5,000	--	--	<500	<500	<500	--	--	
MW-12	9/14/2004	15-25	25.32	13.78	0.00	0.00	11.54	**23,000**	--	--	--	**5,200**	**4,200**	**540**	**3,300**	**34 J**	--	**920 J**	--	--	<500	<500	<500	--	--	
MW-12	11/30/2004	15-25	25.32	12.77	0.00	0.00	12.55	**8,300**	--	--	--	**2,300**	**1,100**	**150**	**590**	<250	--	<2,500	--	--	<250	<250	<250	--	--	
MW-12	2/16/2005	15-25	25.32	10.41	0.00	0.00	14.91	**2,600**	--	--	--	**480**	**110**	**120**	**380**	**7.2**	--	**62**	--	--	<0.25	<0.28	<0.33	--	--	Abandoned
MW-13	5/29/2001	5-25	24.01	11.32	0.00	0.00	12.69	**31,000**	--	--	--	**10,000**	**340**	**840**	<300	**16,000**	--	<20,000	--	--	<300	<300	<300	--	--	
MW-13	8/2/2001	5-25	24.01	11.79	0.00	0.00	12.22	**33,000**	--	--	--	**9,500**	**120**	**320**	**70**	**11,000**	--	**3,400**	--	--	<50	<50	<50	--	--	
MW-13	11/9/2001	5-25	24.01	12.84	0.00	0.00	11.17	**26,000**	--	--	--	**9,000**	**110**	**310**	<200	**13,000**	--	<10,000	--	--	<200	<200	<200	--	--	
MW-13	2/9/2002	5-25	23.97	13.65	0.00	0.00	10.32	**22,000**	--	--	--	**5,500**	**58**	**130**	**46**	**8,700**	--	**14,000**	--	--	<30	<30	<30	--	--	
MW-13	5/10/2002	5-25	23.97	14.70	0.00	0.00	9.27	**15,000**	--	--	--	**2,400**	**28**	**62**	<30	**2,800**	--	**5,600**	--	--	<30	<30	<30	--	--	
MW-13	8/1/2002	5-25	23.97	13.25	0.00	0.00	10.72	**13,000**	--	--	--	**3,300**	**33**	**55**	**33**	**1,900**	--	**8,200**	--	--	<30	<30	<30	--	--	
MW-13	11/7/2002	5-25	23.97	13.51	0.00	0.00	10.46	**77,000**	--	--	--	**2,400**	**21**	**38**	**21**	**450**	--	**6,000**	--	--	<5.0	<10	<10	--	--	
MW-13	1/17/2003	5-25	23.97	12.08	0.00	0.00	11.89	**11,000**	--	--	--	**3,200**	**48**	**69**	**59**	**1,100**	--	**8,800**	--	--	<20	<20	<20	--	--	
MW-13	5/9/2003	5-25	23.97	11.54	0.00	0.00	12.43	**11,000**	--	--	--	**2,900**	<80	**80**	<160	**1,200**	--	**5,300**	--	--	<200	<200	<200	--	--	
MW-13	7/16/2003	5-25	23.97	13.00	0.00	0.00	10.97	**6,600**	--	--	--	**1,600**	<80	<80	<160	**350**	--	**11,000**	--	--	<200	<200	<200	--	--	
MW-13	11/24/2003	5-25	23.97	12.21	0.00	0.00	11.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-13	3/11/2004	5-25	23.97	11.24	0.00	0.00	12.73	<50	--	--	--	<2.0	<2.0	<2.0	<4.0	<5.0	--	<50	--	--	**15**	<5.0	<5.0	--	--	
MW-13	6/2/2004	5-25	23.97	12.13	0.00	0.00	11.84	**3,900**	--	--	--	**1,900**	**29**	**70**	<40	**450**	--	**1,200**	--	--	<50	<50	<50	--	--	
MW-13	9/14/2004	5-25	23.97	12.45	0.00	0.00	11.52	**1,000**	--	--	--	**160**	**15 J**	**14 J**	**24 J**	<200	--	**15,000**	--	--	<200	<200	<200	--	--	
MW-13	11/30/2004	5-25	23.97	12.22	0.00	0.00	11.75	**1,200**	--	--	--	**210**	**1.3 J**	**7.3**	**0.80 J**	**60**	--	**6,500**	--	--	<5.0	<5.0	<5.0	--	--	
MW-13	2/16/2005	5-25	23.97	9.53	0.00	0.00	14.44	**770**	--	--	--	**160**	**2.1**	**23**	**2.1 J**	**280**	--	**500**	--	--	<0.25	<0.28	<0.33	--	--	
MW-13	8/25/2005	5-25	23.97	10.00	0.00	0.00	13.97	**51**	--	--	--	<0.28	<0.36	<0.25	<0.502	**4.3**	--	**200**	--	--	<0.25	<0.28	<0.33	--	--	
MW-13	11/15/2005	5-25	23.97	10.86	0.00	0.00	13.11	**120**	--	--	--	**14**	<0.36	<0.25	<0.502	**4.63**	--	**650**	--	--	<0.25	<0.28	<0.33	--	--	
MW-13	2/21/2006	5-25	26.29	11.09	0.00	0.00	15.20	**160**	--	--	--	**28**	**12**	**2.2**	**13**	**9.5**	--	**320**	--	--	<0.25	<0.28	<0.33	--	--	
MW-13	5/16/2006	5-25	26.29	10.26	0.00	0.00	16.03	**580**	--	--	--	**160**	**14**	**6.1**	**19**	**14**	--	**2,500**	--	--	<0.25	<0.28	<0.33	--	--	
MW-13	8/15/2006	5-25	26.29	11.17	0.00	0.00	15.12	**110**	--	--	--	**3.7**	<0.36	<0.25	<0.90	**2.9J**	--	**220**	--	--	<0.25	<0.28	<0.33	--	--	
MW-13	11/21/2006	5-25	26.29	11.81	0.00	0.00	14.48	**98**	--	--	--	**1.0 J**	<0.50	<0.50	<0.50	**3.0 J**	--	**170**	--	--	<0.50	<0.50	<0.50	--	--	
MW-13	2/13/2007	5-25	26.29	11.82	0.00	0.00	14.47	**140**	--	--	--	**0.80 J**	<0.50	<0.50	<0.50	**3.0**	--	**180**	--	--	<0.50	<0.50	<0.50	--	--	
MW-13	5/22/2007	5-25	26.29	11.53	0.00	0.00	14.76	**150**	**2,200**	--	--	**13**	<0.50	<0.50	<0.50	**0.60 J**	**9.0**	--	**2,300**	--	--	<0.50	<0.50	<0.50	--	--	
MW-13	8/9/2007	5-25	26.29	11.66	0.00	0.00	14.63	**60**	**1,800**	--	--	<0.50	<0.50	<0.50	<0.50	**2.0**	--	**320**	--	--	<0.50	<0.50	<0.50	--	--	
MW-13	11/8/2007	5-25	26.29	11.95	0.00	0.00	14.34	**55**	**1,800**	--	--	<0.50	<0.50	<0.50	<0.50	**3.0**	--	**790**	--	--	<0.50	<0.50	<0.50	--	--	
MW-13	2/8/2008	5-25	26.29	10.90	0.00	0.00	15.39	**52**	**4,400**	--	--	<0.50	<0.50	<0.50	<0.50	**0.80 J**	--	**250**	--	--	<0.50	<0.50	<0.50	--	--	
MW-13	5/5/2008	5-25	26.29	11.50	0.00	0.00	14.79	**70**	**1,700**	--	--	<0.50	<0.50	<0.50	<0.50	**1.0**	--	**520**	--	--	<0.50	<0.50	<0.50	--	--	
MW-13	8/14/2008	5-25	26.29	12.00	0.00	0.00	14.29	**53**	**1,300**	--	--	<0.50	<0.50	<0.50	<0.50	**1.0**	--	**630**	--	--	<0.50	<0.50	<0.50	--	--	
MW-13	11/3/2008	5-25	26.29	12.35	0.00	0.00	13.94	**72**	**1,200**	--	--	<0.50	<0.50	<0.50	<0.50	**1.0**	--	**530**	--	--	<0.50	<0.50	<0.50	--	--	
MW-13	2/19/2009	5-25	26.29	10.85	0.00	0.00	15.44	**23 J**	**1,700**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**39**	--	--	<0.50	<0.50	<0.50	--	--	
MW-13	5/8/2009	5-25	26.29	12.08	0.00	0.00	14.21	**3,100**	**4,000**	--	--	**480**	**7.0**	**4.0**	**6.0**	**49**	--	**5,100**	--	--	**0.80 J**	<0.50	<0.50	--	--	

Well ID	Sample Date	Screen Interval (ft bTOC)	TOC (ft)	DTW (ft bTOC)	PSH thickness (ft)	PSH recovered (gal)	GW Elev (ft)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-d w/SGC (µg/L)	TPH-Jet A (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8260B) (µg/L)	MTBE (8021) (µg/L)	TBA (µg/L)	EDB (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Naphthalene	Comments
MW-13	8/18/2009	5-25	26.29	12.49	0.00	0.00	13.80	**2,800**	**1,200**	--	--	**380**	**5.0**	**3.0**	**4.0**	**36**	--	**3,300**	--	--	**1.0**	<0.50	<0.50	--	--	
MW-13	11/16/2009	5-25	26.29	12.80	0.00	0.00	13.49	**2,400**	**2,500**	--	--	**170**	**3.0**	**1.0**	**3.0**	**28**	--	**4,500**	--	--	**2.0**	<0.50	<0.50	--	--	
MW-13	11/16/2009	5-25	--	--	--	--	--	**2,400**	**2,400**	--	--	**170**	**3.0**	**1.0**	**3.0**	**27**	--	**4,400**	--	--	**2.0**	<0.50	<0.50	--	--	Duplicate
MW-13	2/16/2010	5-25	26.29	10.62	0.00	0.00	15.67	**1,400**	**2,300**	--	--	**51**	**1.0 J**	**0.60 J**	**2.0 J**	**4.0 J**	--	**800**	--	<0.50	<0.50	<0.50	<0.50	--	<1.0	
MW-13	5/11/2010	5-25	26.29	11.49	0.00	0.00	14.80	**370**	**1,300**	--	--	**4.0 J**	<0.50	<0.50	<0.50	**1.0 J**	--	**550**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-13	8/11/2010	5-25	26.29	11.77	0.00	0.00	14.52	**2,200**	**1,800**	--	--	**52**	**2.0 J**	**1.0 J**	**2.0 J**	**14**	--	**2,100**	--	<0.50	**0.60 J**	<0.50	<0.50	<50	<1.0	
MW-13	11/2/2010	5-25	26.29	12.05	0.00	0.00	14.24	**1,400**	**1,700**	--	--	**27**	**0.90 J**	**0.60 J**	**1.0 J**	**11**	--	**2,100**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-13	2/16/2011	5-25	26.29	10.44	0.00	0.00	15.85	**1,800**	**1,200**	--	--	**33**	**1.0 J**	**1.0 J**	**2.0 J**	**4.0**	--	**580**	--	<0.50	<0.50	<0.50	<0.50	<50	**2.0 J**	
MW-13	5/17/2011	5-25	26.29	10.45	0.00	0.00	15.84	**620**	**810**	--	--	**8.0**	**1.0 J**	<0.50	<0.50	**2.0 J**	--	**270**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-13	8/9/2011	5-25	26.29	10.91	0.00	0.00	15.38	**1,800**	**1,000**	--	--	**11**	<0.50	<0.50	**0.60 J**	**6.0**	--	**910**	--	<0.50	<0.50	<0.50	<0.50	<50	**2.0 J**	
MW-13	11/17/2011	5-25	26.29	11.18	0.00	0.00	15.11	**940**	--	<50	--	**25**	**0.70 J**	<0.50	**1.0 J**	**9.0**	--	**750**	--	**5.0**	**1.0 J**	<0.50	<0.50	<50	<1.0	
MW-13	2/16/2012	5-25	26.29	11.12	0.00	0.00	15.17	**2,000**	**910**	<50	--	**38**	**0.70 J**	**0.60 J**	**1.0 J**	**9.0**	--	**1,000**	--	**8.0**	**0.90 J**	<0.50	<0.50	<50	<1.0	
MW-13	5/15/2012	5-25	26.29	11.50	0.00	0.00	14.79	**2,500**	**1,200**	<50	--	**15**	<0.50	<0.50	<0.50	**6.0**	--	**860**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-13	8/16/2012	5-25	26.29	11.85	0.00	0.00	14.44	**1,800**	**1,100**	<50	--	**51**	**2.0 J**	**0.70 J**	**2.0 J**	**21**	--	**3,000**	--	**9.0**	**1.0 J**	<0.50	<0.50	<50	**2.0 J**	
MW-13	11/15/2012	5-25	26.29	12.05	0.00	0.00	14.24	**1,900**	**810**	**190**	--	**31**	**1.3 J**	<0.69	<1.2	<1.5	--	**2,600**	--	**5.9**	<1.7	<2.2	<1.1	<250	<12	
MW-13	2/21/2013	5-25	26.29	11.63	0.00	0.00	14.66	**1,900**	**1,600**	<50	--	**34**	**1.0 J**	**0.50 J**	**1.0 J**	**17**	--	**2,300**	--	**15**	<0.50	<0.50	<0.50	<50	**1.0 J**	
MW-13	5/3/2013	5-25	26.29	11.73	0.00	0.00	14.56	**390**	--	<47	--	**4.0**	<0.50	<0.50	**0.60 J**	**3.0 J**	--	**350**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-13	8/6/2013	5-25	26.29	11.80	0.00	0.00	14.49	**630**	--	<48	--	**6.0**	<0.50	<0.50	**0.60 J**	**3.0 J**	--	**350**	--	**2.0 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-13	11/8/2013	5-25	26.29	11.98	0.00	0.00	14.31	**520**	--	<48	--	**3.0 J**	<0.50	<0.50	<0.50	**2.0 J**	--	**290**	--	**0.90 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-13	2/25/2014	5-25	26.29	12.12	0.00	0.00	14.17	**750**	--	<48	--	**8.0**	**0.60 J**	**0.70 J**	**0.70 J**	**5.0**	--	**860**	--	**26**	**1.0 J**	<0.50	<0.50	<50	<1.0	
MW-13	6/9/2014	5-25	26.29	11.80	0.00	0.00	14.49	**390**	--	<48	--	**7.0**	<0.50	<0.50	**0.80 J**	**3.0**	--	**530**	--	**6.0**	**0.50 J**	<0.50	<0.50	<50	<1.0	
MW-13	9/15/2014	5-25	26.29	12.32	0.00	0.00	13.97	**740**	--	<51	--	**4.0**	<0.50	<0.50	<0.50	**2.0**	--	**480**	--	**2.0**	<0.50	<0.50	<0.50	<50	<1.0	
MW-13	12/5/2014	5-25	26.29	12.28	0.00	0.00	14.01	<22	--	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**46**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-13	2/26/2015	5-25	26.29	11.96	0.00	0.00	14.33	**59**	--	<48	--	<0.50	<0.50	<0.50	<0.50	**0.70 J**	--	**110**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-13	6/17/2015	5-25	26.29	11.89	0.00	0.00	14.40	**550**	--	**69 J****	--	**3.0**	<0.50	<0.50	<0.50	**2.0**	--	**380**	--	**2.0**	<0.50	<0.50	<0.50	<50	<1.0	
MW-13	9/3/2015	5-25	26.29	12.49	0.00	0.00	13.80	**460**	--	<42**	--	**2.0**	<0.50	<0.50	<0.50	**2.0**	--	**610**	--	**1.0**	<0.50	<0.50	<0.50	<50	<1.0	
MW-13	12/1/2015	5-25	26.29	12.52	0.00	0.00	13.77	**30 J**	--	<45**	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**37**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-13	3/11/2016	5-25	26.29	11.88	0.00	0.00	14.41	**23 J**	**54 J****	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**40**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-13	6/7/2016	5-25	26.29	11.26	0.00	0.00	15.03	**800**	--	<50***	--	**1.0**	<0.50	<0.50	<0.50	**4.0**	--	**4,200**	--	**16**	**3.0**	<0.50	<0.50	<50	<1.0	
MW-13	9/21/2016	5-25	26.29	13.76	0.00	0.00	12.53	**190**	--	**120*****	--	**17**	**0.60 J**	**4.0**	**4.0**	**1.0**	--	**240**	--	<0.50	<0.50	<0.50	<0.50	<50	**7.0**	
MW-13	12/30/2016	5-25	26.29	13.83	0.00	0.00	12.46	**290**	--	<45***	--	**1.0 J**	<0.50	<0.50	<0.50	**3.0**	--	**870**	--	**15**	**2.0**	<0.50	<0.50	<50	<1.0	
MW-13	2/16/2017	5-25	26.29	12.38	0.00	0.00	13.91	**25 J**	--	<45***	--	<0.50	<0.50	<0.50	<0.50	**0.70 J**	--	**100**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-13	5/12/2017	5-25	26.29	12.61	0.00	0.00	13.68	<22	--	<46***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**7.0 J**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-13	9/19/2017	5-25	26.29	13.02	0.00	0.00	13.27	**39 J**	--	<46***	--	<0.50	<0.50	<0.50	<0.50	**2.0**	--	**280**	--	**2.0**	<0.50	<0.50	<0.50	<50	<1.0	
MW-13	11/30/2017	5-25	26.29	13.26	0.00	0.00	13.03	<22	--	<45***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**64**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-13	2/8/2018	5-25	26.29	12.90	0.00	0.00	13.39	**100**	--	**62*****	--	<0.28	<0.47	<0.28	<0.46	**4.7**	--	**630**	--	<0.48	<0.67	<0.87	<0.44	<100	<5.0	
MW-13	6/1/2018	5-25	26.29	12.34	0.00	0.00	13.95	**58**	--	**79*****	**63**	<0.14	<0.24	<0.14	<0.23	**0.31 J**	--	**56**	--	**0.49 J**	<0.33	<0.44	<0.22	<50	<5.0	
MW-13	8/22/2018	5-25	26.29	12.78	0.00	0.00	13.51	<48	--	**170*****	**72**	<0.30	<0.29	<0.26	<0.27	**0.32 J**	--	**73**	--	<0.32	<0.27	<0.27	<0.25	<54	<5.1	
MW-13	12/21/2018	5-25	26.29	12.71	0.00	0.00	13.58	<48	**44 J**	<16	**53**	<0.14	<0.13	<0.14	<0.15	**0.20 J**	--	**33**	<0.27	<0.19	<0.16	<0.12	<0.13	<53	<5.1	
MW-13	2/5/2019	5-25	26.29	11.00	0.00	0.00	15.29	<50	**31 J**	<45	**41 J**	<1.0	<1.0	<1.0	<1.0	**0.17 J**	--	**21**	<1.0	<0.50	<2.0	<2.0	<2.0	<100	<10	
MW-14	2/21/2006	5-25	27.24	11.25	0.00	0.00	15.99	**33,000**	--	--	--	**8,300**	**4,000**	**820**	**3,600**	**470**	--	**1,100**	--	--	**0.28J**	<0.28	<0.33	--	--	
MW-14	5/16/2006	5-25	27.24	10.32	0.00	0.00	16.92	**42,000**	--	--	--	**8,700**	**3,700**	**850**	**3,600**	**230**	--	**980 J**	--	--	<6.2	<7.0	<8.2	--	--	
MW-14	8/15/2006	5-25	27.24	11.25	0.00	0.00	15.99	**24,000**	--	--	--	**5,000**	**1,600**	**550**	**2,200**	**220**	--	**940**	--	--	<2.5	<2.8	<3.3	--	--	
MW-14	11/21/2006	5-25	27.24	11.81	0.00	0.00	15.43	**12,000**	--	--	--	**4,000**	**1,900**	**430**	**1,800**	**120**	--	**830**	--	--	<5.0	<5.0	<5.0	--	--	
MW-14	2/13/2007	5-25	27.24	11.81	0.00	0.00	15.43	**30,000**	--	--	--	**6,600**	**2,900**	**600**	**2,600**	**120**	--	**610**	--	--	<5.0	<5.0	<5.0	--	--	
MW-14	5/22/2007	5-25	27.24	11.57	0.00	0.00	15.67	**56,000**	**2,300**	--	--	**11,000**	**4,700**	**1,000**	**4,200**	**180**	--	**750**	--	--	<10	<10	<10	--	--	
MW-14	8/9/2007	5-25	27.24	11.92	0.00	0.00	15.32	**42,000**	**2,500**	--	--	**10,000**	**3,700**	**840**	**3,400**	**170**	--	**860**	--	--	<10	<10	<10	--	--	
MW-14	11/9/2007	5-25	27.24	12.18	0.00	0.00	15.06	**57,000**	**2,500**	--	--	**13,000**	**4,300**	**1,000**	**3,900**	**190**	--	**670**	--	--	<13	<13	<13	--	--	
MW-14(DUP	11/9/2007	5-25	--	--	--	--	--	**57,000**	**2,400**	--	--	**13,000**	**4,400**	**1,100**	**4,100**	**210**	ND	**680**	--	--	<13	<13	<13	--	--	Duplicate
MW-14	2/8/2008	5-25	27.24	11.12	0.00	0.00	16.12	**23,000**	**2,900**	--	--	**6,000**	**2,400**	**540**	**2,200**	**110**	--	**570**	--	--	<5.0	<5.0	<5.0	--	--	
MW-14	5/5/2008	5-25	27.24	11.64	0.00	0.00	15.60	**40,000**	**2,700**	--	--	**10,000**	**4,500**	**940**	**3,800**	**150**	--	**780**	--	--	<10.0	<10.0	<10.0	--	--	
MW-14(DUP	5/5/2008	5-25	--	--	--	--	--	**40,000**	**2,600**	--	--	**9,700**	**4,200**	**1,000**	**4,200**	**160**	--	**970**	--	--	<10	<10	<10	--	--	Duplicate
MW-14	8/14/2008	5-25	27.24	12.36	0.00	0.00	14.88	**38,000**	**2,100**	--	--	**9,000**	**3,600**	**950**	**3,600**	**180**	--	**720**	--	--	<10	<10	<10	--	--	
MW-14(DUP	8/14/2008	5-25	--	--	--	--	--	**38,000**	**1,800**	--	--	**9,700**	**3,800**	**960**	**3,700**	**160**	--	**690**	--	--	<10	<10	<10	--	--	Duplicate
MW-14	11/3/2008	5-25	27.24	12.55	0.00	0.00	14.69	**35,000**	**2,400**	--	--	**9,200**	**3,700**	**880**	**3,400**	**190**	--	**800**	--	--	<5.0	<5.0	<5.0	--	--	
MW-14(DUP	11/3/2008	5-25	--	--	--	--	--	**37,000**	**2,300**	--	--	**9,900**	**3,800**	**890**	**3,600**	**190**	--	**810**	--	--	<13	<13	<13	--	--	Duplicate
MW-14	2/19/2009	5-25	27.24	12.71	0.00	0.00	14.53	**42,000**	**1,500**	--	--	**8,700**	**3,600**	**660**	**2,500**	**140**	--	**770**	--	--	<5.0	<5.0	<5.0	--	--	
MW-14(DUP	2/19/2009	5-25	--	--	--	--	--	**40,000**	**2,200**	--	--	**8,500**	**3,500**	**680**	**2,600**	**140**	--	**790**	--	--	<5.0	<5.0	<5.0	--	--	Duplicate
MW-14	5/8/2009	5-25	27.24	12.08	0.00	0.00	15.16	**39,000**	**2,200**	--	--	**10,000**	**4,700**	**1,100**	**4,200**	**140**	--	**680**	--	--	<10	<10	<10	--	--	
MW-14	8/18/2009	5-25	27.24	12.93	0.00	0.00	14.31	**44,000**	**2,500**	--	--	**10,000**	**4,500**	**1,000**	**4,000**	**140**	--	**730**	--	--	<10	<10	<10	--	--	
MW-14	11/16/2009	5-25	27.24	13.44	0.00	0.00	13.80	**47,000**	**2,700**	--	--	**10,000**	**4,000**	**1,000**	**4,000**	**160**	--	**730**	--	--	<13	<13	<13	--	--	
MW-14	2/16/2010	5-25	27.24	11.25	0.00	0.00	15.99	**51,000**	**2,200**	--	--	**11,000**	**4,700**	**1,100**	**4,300**	**160**	--	**690 J**	--	<10	<10	<10	<10	--	**490**	
MW-14	5/11/2010	5-25	27.24	11.95	0.00	0.00	15.29	**51,000**	**2,400**	--	--	**11,000**	**4,900**	**1,200**	**4,600**	**150**	--	**730 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**480**	
MW-14	8/11/2010	5-25	27.24	12.32	0.00	0.00	14.92	**58,000**	**2,300**	--	--	**11,000**	**5,200**	**1,300**	**5,300**	**170**	--	**650**	--	<3.0	<3.0	<3.0	<3.0	<250	**560**	
MW-14	11/2/2010	5-25	27.24	12.63	0.00	0.00	14.61	**42,000**	**1,900**	--	--	**9,900**	**4,600**	**1,100**	**4,200**	**150**	--	**670 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**430**	
MW-14	2/16/2011	5-25	27.24	10.79	0.00	0.00	16.45	**36,000**	**2,800**	--	--	**9,200**	**4,200**	**1,200**	**4,300**	**160**	--	**740 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**470**	
MW-14	5/18/2011	5-25	27.24	10.64	0.00	0.00	16.60	**44,000**	**2,100**	--	--	**9,000**	**3,800**	**1,000**	**3,700**	**140**	--	**730 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**390**	
MW-14	8/9/2011	5-25	27.24	11.09	0.00	0.00	16.15	**58,000**	**2,600**	--	--	**11,000**	**4,400**	**1,300**	**4,200**	**140**	--	**640 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**460**	
MW-14	11/17/2011	5-25	27.24	11.48	0.00	0.00	15.76	**41,000**	--	**450**	--	**7,600**	**3,100**	**1,200**	**3,800**	**120**	--	**740 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**510**	
MW-14	2/17/2012	5-25	27.24	11.31	0.00	0.00	15.93	**49,000**	**2,300**	**560**	--	**8,400**	**3,600**	**1,200**	**3,700**	**110**	--	**680 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**470**	
MW-14	5/16/2012	5-25	27.24	11.36	0.00	0.00	15.88	**63,000**	**2,400**	**590**	--	**8,700**	**3,200**	**1,200**	**3,900**	**110**	--	**780 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**500**	
MW-14	8/16/2012	5-25	27.24	11.80	0.00	0.00	15.44	**40,000**	**2,600**	**560**	--	**6,900**	**2,700**	**1,100**	**3,400**	**97**	--	**670 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**370**	
MW-14	11/16/2012	5-25	27.24	12.17	0.00	0.00	15.07	**46,000**	**21,000**	**9,300**	--	**7,700**	**2,900**	**1,100**	**3,190**	**100**	--	**500**	--	<1.2	<1.7	<2.2	<1.1	<250	**580**	
MW-14	2/22/2013	5-25	27.24	11.65	0.00	0.00	15.59	**39,000**	**3,900**	**680**	--	**7,800**	**2,400**	**1,100**	**2,960**	**88**	--	**850 J**	--	<10	<10	<10	<10	<1,000	**460**	
MW-14	5/3/2013	5-25	27.24	11.80	0.00	0.00	15.44	**43,000**	--	**690**	--	**7,100**	**2,700**	**1,100**	**3,000**	**83**	--	**750**	--	<3.0	<3.0	<3.0	<3.0	<250	**460**	
MW-14	5/3/2013	5-25	--	--	--	--	--	**44,000**	--	**720**	--	**7,100**	**2,800**	**1,200**	**3,700**	**130**	--	**1,300**	--	<3.0	<3.0	<3.0	<3.0	<250	**690**	Duplicate
MW-14	8/6/2013	5-25	27.24	12.17	0.00	0.00	15.07	**40,000**	--	**520**	--	**7,200**	**2,700**	**1,200**	**3,300**	**84**	--	**670 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**480**	
MW-14(DUP	8/6/2013	5-25	--	--	--	--	--	**46,000**	--	**700**	--	**7,700**	**3,200**	**1,300**	**3,600**	**88**	--	**660**	--	<3.0	<3.0	<3.0	<3.0	<250	**490**	Duplicate
MW-14	11/6/2013	5-25	27.24	12.67	0.00	0.00	14.57	**40,000**	--	**750**	--	**6,500**	**2,700**	**1,100**	**3,300**	**72**	--	**670 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**500**	
MW-14(DUP	11/6/2013	5-25	--	--	--	--	--	**42,000**	--	**670**	--	**6,800**	**2,600**	**1,100**	**3,100**	**71**	--	**650 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**480**	Duplicate
MW-14	2/25/2014	5-25	27.24	12.57	0.00	0.00	14.67	**44,000**	--	**360**	--	**7,100**	**2,800**	**1,200**	**3,600**	**75 J**	--	**730 J**	--	<10	<10	<10	<10	<1,000	**480**	
MW-14(DUP	2/25/2014	5-25	--	--	--	--	--	**39,000**	--	**660**	--	**6,800**	**2,600**	**1,100**	**3,300**	**69**	--	**630 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**440**	Duplicate
MW-14	6/9/2014	5-25	27.24	12.32	0.00	0.00	14.92	**43,000**	--	**720**	--	**6,900**	**2,800**	**1,200**	**3,300**	**65**	--	**570**	--	<5.0	<5.0	<5.0	<5.0	<500	**450**	
MW-14(DUP	6/9/2014	5-25	--	--	--	--	--	**43,000**	--	**510**	--	**7,200**	**2,800**	**1,100**	**3,300**	**66**	--	**620**	--	<10	<10	<10	<10	<1,000	**440**	Duplicate
MW-14	9/16/2014	5-25	27.24	12.86	0.00	0.00	14.38	**33,000**	--	**690**	--	**7,000**	**2,500**	**1,100**	**3,000**	**70**	--	**840**	--	<5.0	<5.0	<5.0	<5.0	<500	**460**	
MW-14(DUP	9/16/2014	5-25	--	--	--	--	--	**38,000**	--	**530**	--	**7,000**	**2,600**	**1,100**	**3,100**	**72**	--	**830**	--	<5.0	<5.0	<5.0	<5.0	<500	**490**	Duplicate
MW-14	12/5/2014	5-25	27.24	13.02	0.00	0.00	14.22	**42,000**	--	**610**	--	**7,300**	**2,900**	**1,300**	**3,600**	**76**	--	**730**	--	<5.0	<5.0	<5.0	<5.0	<500	**420**	
MW-14(DUP	12/5/2014	5-25	--	--	--	--	--	**39,000**	--	**640***	--	**7,300**	**2,800**	**1,200**	**3,500**	**74**	--	**720**	--	<5.0	<5.0	<5.0	<5.0	<500	**410**	Duplicate
MW-14	2/27/2015	5-25	27.24	12.54	0.00	0.00	14.70	**42,000**	--	**770**	--	**6,700**	**3,000**	**1,300**	**3,800**	**69**	--	**450**	--	<3.0	<3.0	<3.0	<3.0	<250	**620**	
MW-14(DUP	2/27/2015	5-25	--	--	--	--	--	**43,000**	--	**670**	--	**6,900**	**3,000**	**1,300**	**3,700**	**69**	--	**480**	--	<3.0	<3.0	<3.0	<3.0	<250	**620**	Duplicate
MW-14	6/17/2015	5-25	27.24	12.58	0.00	0.00	14.66	**56,000**	--	**800****	--	**7,700**	**3,400**	**1,200**	**3,800**	**74**	--	**540**	--	<5.0	<5.0	<5.0	<5.0	<500	**550**	
MW-14(DUP	6/17/2015	5-25	--	--	--	--	--	**53,000**	--	**820****	--	**7,400**	**3,300**	**1,200**	**3,600**	**71**	--	**730**	--	<5.0	<5.0	<5.0	<5.0	<500	**520**	Duplicate
MW-14	9/3/2015	5-25	27.24	13.30	0.00	0.00	13.94	**56,000**	--	**650****	--	**8,100**	**3,500**	**1,200**	**3,700**	**86**	--	**690**	--	<5.0	<5.0	<5.0	<5.0	<500	**470**	
MW-14(DUP	9/3/2015	5-25	--	--	--	--	--	**59,000**	--	**800****	--	**8,200**	**3,500**	**1,200**	**3,700**	**84**	--	**700**	--	<5.0	<5.0	<5.0	<5.0	<500	**470**	Duplicate
MW-14	12/1/2015	5-25	27.24	13.64	0.00	0.00	13.60	**52,000**	--	**790****	--	**7,400**	**3,300**	**1,200**	**4,000**	**88**	--	**580**	--	<5.0	<5.0	<5.0	<5.0	<500	**560**	
MW-14(DUP	12/1/2015	5-25	--	--	--	--	--	**52,000**	--	**750****	--	**7,500**	**3,300**	**1,100**	**3,600**	**84**	--	**610**	--	<5.0	<5.0	<5.0	<5.0	<500	**510**	Duplicate

Well ID	Sample Date	Screen Interval (ft bTOC)	TOC (ft)	DTW (ft bTOC)	PSH thickness (ft)	PSH recovered (gal)	GW Elev (ft)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-d w/SGC (µg/L)	TPH-Jet A (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8260B) (µg/L)	MTBE (8021) (µg/L)	TBA (µg/L)	EDB (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Naphthalene	Comments
MW-14	3/11/2016	5-25	27.24	12.81	0.00	0.00	14.43	**25,000**	**2,100****	--	--	**3,500**	**1,400**	**400**	**1,600**	**53**	--	**650**	--	<5.0	<5.0	<5.0	<5.0	<500	**210**	
MW-14(DUP	3/11/2016	5-25	--	--	--	--	--	**22,000**	**2,300****	--	--	**3,500**	**1,300**	**340**	**1,300**	**56**	--	**600**	--	<5.0	<5.0	<5.0	<5.0	<500	**150**	Duplicate
MW-14	6/7/2016	5-25	27.24	12.39	0.00	0.00	14.85	**27,000**	--	**220*****	--	**3,500**	**1,300**	**380**	**1,600**	**48**	--	**500**	--	<3.0	<3.0	<3.0	<3.0	<250	**210**	
MW-14(DUP	6/7/2016	5-25	--	--	--	--	--	**26,000**	--	**250*****	--	**3,700**	**1,400**	**400**	**1,700**	**50**	--	**430**	--	<3.0	<3.0	<3.0	<3.0	<250	**210**	Duplicate
MW-14	9/21/2016	5-25	27.24	14.02	0.00	0.00	13.22	**21,000**	--	**290*****	--	**3,500**	**1,400**	**380**	**1,700**	**91**	--	**610**	--	<3.0	<3.0	<3.0	<3.0	<250	**240**	
MW-14(DUP	9/21/2016	5-25	--	--	--	--	--	**21,000**	--	**320*****	--	**3,700**	**1,400**	**390**	**1,700**	**89**	--	**610**	--	<3.0	<3.0	<3.0	<3.0	<250	**230**	Duplicate
MW-14	12/29/2016	5-25	27.24	14.17	0.00	0.00	13.07	**23,000**	--	**150*****	--	**2,700**	**1,200**	**290**	**1,700**	**37**	--	**220**	--	<0.50	<0.50	<0.50	<0.50	<50	**240**	
MW-14(DUP	12/29/2016	5-25	--	--	--	--	--	**21,000**	--	**150*****	--	**2,500**	**1,000**	**230**	**1,500**	**32**	--	**230**	--	<0.50	<0.50	<0.50	<0.50	<50	**190**	Duplicate
MW-14	2/16/2017	5-25	27.24	12.19	0.00	0.00	15.05	**16,000**	--	**190*****	--	**1,900**	**770**	**260**	**1,200**	**27**	--	**340**	--	<1.0	<1.0	<1.0	<1.0	<100	**180**	
MW-14(DUP	2/16/2017	5-25	--	--	--	--	--	**16,000**	--	**210*****	--	**1,900**	**770**	**250**	**1,200**	**27**	--	**260**	--	<1.0	<1.0	<1.0	<1.0	<100	**180**	Duplicate
MW-14	5/12/2017	5-25	27.24	12.31	0.00	0.00	14.93	**21,000**	--	**270*****	--	**3,100**	**1,000**	**310**	**1,300**	**33**	--	**670**	--	<3.0	<3.0	<3.0	<3.0	<250	**190**	
MW-14(DUP	5/12/2017	5-25	--	--	--	--	--	**23,000**	--	**170*****	--	**3,300**	**1,000**	**320**	**1,300**	**32**	--	**670**	--	<3.0	<3.0	<3.0	<3.0	<250	**190**	Duplicate
MW-14	9/20/2017	5-25	27.24	12.94	0.00	0.00	14.30	**34,000**	--	**330*****	--	**5,400**	**1,500**	**870**	**2,000**	**42**	--	**540**	--	<5.0	<5.0	<5.0	<5.0	<500	**390**	
MW-14(DUP	9/20/2017	5-25	--	--	--	--	--	**31,000**	--	**240*****	--	**5,400**	**1,500**	**880**	**2,000**	**42**	--	**540**	--	<3.0	<3.0	<3.0	<3.0	<250	**360**	Duplicate
MW-14	11/30/2017	5-25	27.24	13.11	0.00	0.00	14.13	**37,000**	--	**420*****	--	**5,900**	**1,800**	**960**	**2,300**	**35**	--	**520**	--	**13**	<3.0	<3.0	<3.0	<250	**390**	
MW-14(DUP	11/30/2017	5-25	--	--	--	--	--	**40,000**	--	**320*****	--	**6,200**	**1,900**	**1,000**	**2,500**	**37**	--	**530**	--	<3.0	<3.0	<3.0	<3.0	<250	**410**	Duplicate
MW-14	2/8/2018	5-25	27.24	12.86	0.00	0.00	14.38	**30,000**	--	**590*****	--	**5,500**	**2,000**	**1,200**	**2,700**	**37 J**	--	**760**	--	<9.6	<13	<17	<8.9	<2,000	**450**	
MW-14(DUP	2/8/2018	5-25	--	--	--	--	--	**29,000**	--	**5,700*****	--	**5,500**	**1,900**	**1,200**	**2,600**	**34 J**	--	**790**	--	<9.6	<13	<17	<8.9	<2,000	**470**	Duplicate
MW-14	6/1/2018	5-25	27.24	12.54	0.00	0.00	14.70	**17,000**	--	**3,800*****	**6,200**	**3,400**	**1,000**	**580**	**1,400**	**25**	--	**720**	--	<6.0	<8.3	<11	<5.5	<1,200	**230 J**	
MW-14(DUP	6/1/2018	5-25	--	--	--	--	--	**19,000**	--	**2,100*****	**6,600**	**4,000**	**1,300**	**740**	**1,700**	**28**	--	**700**	--	<6.0	<8.3	<11	<5.5	<1,200	**300**	Duplicate
MW-14	8/24/2018	5-25	27.24	12.95	0.00	0.00	14.29	**23,000**	--	**6,700*****	**7,400**	**4,500**	**1,500**	**900**	**1,900**	**30**	--	**530**	--	<8.0	<6.8	<6.7	<6.3	<1,300	**300**	
MW-14(DUP	8/24/2018	--	--	--	--	--	--	**24,000**	--	**6,100*****	**7,100**	**4,600**	**1,500**	**920**	**1,900**	**30**	--	**540**	--	<8.0	<6.8	<6.7	<6.3	<1,300	**320**	Duplicate
MW-14	12/21/2018	5-25	27.24	12.83	0.00	0.00	14.41	**8,400**	**240 J**	**4,100**	**11,000**	**6,000**	**2,000**	**1,000**	**2,200**	<8.1	--	**460 J**	<13	<9.4	<7.8	<5.9	<6.4	<2,600	**320 J**	
MW-14(DUP	12/21/2018	5-25	--	--	--	--	--	**8,200**	**170 J**	**5,900**	**12,000**	**5,600**	**1,900**	**980**	**2,100**	<8.1	--	**520**	<13	<9.4	<7.8	<5.9	<6.4	<2,600	**320 J**	Duplicate
MW-14	2/4/2019	5-25	27.24	11.50	0.00	0.00	15.74	**23,000**	**220**	**280**	**3,300**	**2,800**	**730**	**460**	**1,300**	**20 J**	--	**440**	<20	<10	<40	<40	<40	<2,000	**270**	
WW-14 (DUP	2/4/2019	--	--	--	--	--	--	**14,000**	**210**	**2,000**	**5,000**	**2,400**	**600**	**380**	**1,100**	**16 J**	--	**490 J**	<50	<25	<100	<100	<100	<5,000	**410 J**	
MW-14D	2/21/2006	30-40	27.67	15.71	0.00	0.00	11.96	**1,200**	--	--	--	**49**	**35**	**12**	**48**	**0.32 J**	--	**44 J**	--	--	**0.93 J**	<0.28	<0.33	--	--	
MW-14D	5/16/2006	30-40	27.67	12.00	0.00	0.00	15.67	**480**	--	--	--	**6.1**	**0.36 J**	<0.25	<0.90	**13**	--	**270**	--	--	**0.95 J**	<0.28	<0.33	--	--	
MW-14D	8/15/2006	30-40	27.67	11.19	0.00	0.00	16.48	**110**	--	--	--	**110**	**0.47 J**	<0.25	**1.4 J**	**7.1**	--	**150**	--	--	**0.90 J**	<0.28	<0.33	--	--	
MW-14D	11/21/2006	30-40	27.67	12.20	0.00	0.00	15.47	**140**	--	--	--	**7.0**	**0.70 J**	<0.50	**1.0 J**	**7.0**	--	**110**	--	--	**0.70 J**	<0.50	<0.50	--	--	
MW-14D	2/13/2007	30-40	27.67	12.53	0.00	0.00	15.14	**43 J**	--	--	--	<0.50	<0.50	<0.50	<0.50	**8.0**	--	**2.0 J**	--	--	**0.80 J**	<0.50	<0.50	--	--	
MW-14D	5/22/2007	30-40	27.67	12.36	0.00	0.00	15.31	<20	**310**	--	--	<0.50	<0.50	<0.50	<0.50	**4.0**	--	<2.0	--	--	**0.70 J**	<0.50	<0.50	--	--	
MW-14D	8/9/2007	30-40	27.67	12.38	0.00	0.00	15.29	<20	**200**	--	--	<0.50	<0.50	<0.50	<0.50	**1.0**	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-14D	11/8/2007	30-40	27.67	12.66	0.00	0.00	15.01	**22 J**	**140**	--	--	<0.50	<0.50	<0.50	<0.50	**0.90 J**	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-14D	2/8/2008	30-40	27.67	12.16	0.00	0.00	15.51	**21 J**	**210**	--	--	<0.50	<0.50	<0.50	<0.50	**0.70 J**	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-14D	5/5/2008	30-40	27.67	12.10	0.00	0.00	15.57	<20	**110**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-14D	8/14/2008	30-40	27.67	12.10	0.00	0.00	15.57	**32 J**	**59 J**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-14D	11/3/2008	30-40	27.67	13.30	0.00	0.00	14.37	<20	<50	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-14D	2/19/2009	30-40	27.67	11.95	0.00	0.00	15.72	<20	**55 J**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-14D	5/8/2009	30-40	27.67	12.56	0.00	0.00	15.11	**4,200**	**230**	--	--	**350**	**450**	**110**	**410**	**0.70 J**	--	**71**	--	--	**2.0**	<0.50	<0.50	--	--	
MW-14D	8/18/2009	30-40	27.67	13.09	0.00	0.00	14.58	**5,400**	**880**	--	--	**300**	**190**	**67**	**160**	**0.90 J**	--	**110**	--	--	<0.50	<0.50	<0.50	--	--	
MW-14D	11/17/2009	30-40	27.67	13.76	0.00	0.00	13.91	**1,200**	**320**	--	--	**110**	**92**	**20**	**60**	**0.80 J**	--	**33**	--	--	**2.0**	<0.50	<0.50	--	--	
MW-14D	2/16/2010	30-40	27.67	11.67	0.00	0.00	16.00	**12,000**	**350**	--	--	**930**	**880**	**290**	**880**	**1.0 J**	--	<10	--	**59**	**2.0 J**	<1.0	<1.0	--	**120**	
MW-14D	5/11/2010	30-40	27.67	12.31	0.00	0.00	15.36	**5,700**	**350**	--	--	**580**	**530**	**140**	**430**	**0.70 J**	--	**74 J**	--	**47**	**2.0 J**	<0.50	<0.50	<50	**54**	
MW-14D	8/11/2010	30-40	27.67	12.70	0.00	0.00	14.97	**2,300**	**230**	--	--	**190**	**170**	**43**	**124**	**0.50 J**	--	**43 J**	--	**44**	**2.0 J**	<0.50	<0.50	<50	**13**	
MW-14D	11/2/2010	30-40	27.67	12.94	0.00	0.00	14.73	**1,600**	**250**	--	--	**64**	**56**	**17**	**41**	**0.60 J**	--	**41 J**	--	**46**	**1.0 J**	<0.50	<0.50	<50	**4.0 J**	
MW-14D	2/16/2011	30-40	27.67	11.15	0.00	0.00	16.52	**450**	**240**	--	--	**21**	**18**	**5.0**	**12**	<0.50	--	**33 J**	--	**52**	**1.0 J**	<0.50	<0.50	<50	**1.0 J**	
MW-14D	5/17/2011	30-40	27.67	10.98	0.00	0.00	16.69	**230**	**170**	--	--	**12**	**11**	**3.0 J**	**7.0**	<0.50	--	**25 J**	--	**38**	**1.0 J**	<0.50	<0.50	<50	**4.0 J**	
MW-14D	8/9/2011	30-40	27.67	11.46	0.00	0.00	16.21	**950**	**110**	--	--	**36**	**31**	**8.0**	**21**	<0.50	--	**31 J**	--	**37**	**2.0 J**	<0.50	<0.50	<50	**3.0 J**	
MW-14D	11/17/2011	30-40	27.67	11.75	0.00	0.00	15.92	**260**	--	<50	--	**6.0**	**5.0**	**1.0 J**	**4.0 J**	<0.50	--	**22 J**	--	**27**	**1.0 J**	<0.50	<0.50	<50	<1.0	
MW-14D	2/16/2012	30-40	27.67	11.62	0.00	0.00	16.05	**450**	**52 J**	<50	--	**7.0**	**6.0**	**1.0 J**	**4.0 J**	<0.50	--	**26 J**	--	**28**	**1.0 J**	<0.50	<0.50	<50	<1.0	
MW-14D	5/16/2012	30-40	27.67	11.65	0.00	0.00	16.02	**89**	**67 J**	<50	--	**0.90 J**	<0.50	<0.50	<0.50	<0.50	--	**18 J**	--	**22**	**1.0 J**	<0.50	<0.50	<50	<1.0	
MW-14D	8/16/2012	30-40	27.67	12.14	0.00	0.00	15.53	**47 J**	<50	<50	--	**0.50 J**	<0.50	<0.50	<0.50	<0.50	--	**16 J**	--	**20**	**1.0 J**	<0.50	<0.50	<50	<1.0	
MW-14D	11/15/2012	30-40	27.67	12.49	0.00	0.00	15.18	**560**	**150**	<47	--	**7.6**	**0.68 J**	**0.57 J**	**1.26 J**	<0.31	--	**35**	--	**17**	**0.99 J**	<0.44	<0.22	<50	<2.5	
MW-14D	2/20/2013	30-40	27.67	11.91	0.00	0.00	15.76	**200**	**57 J**	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**15 J**	--	**20**	**1.0 J**	<0.50	<0.50	<50	<1.0	
MW-14D	5/3/2013	30-40	27.67	12.31	0.00	0.00	15.36	**57**	--	<47	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**15 J**	--	**21**	**1.0 J**	<0.50	<0.50	<50	<1.0	
MW-14D	8/6/2013	30-40	27.67	12.53	0.00	0.00	15.14	**64**	--	<48	--	**1.0 J**	**0.7J**	<0.50	**0.80 J**	<0.50	--	**15 J**	--	**20**	**0.90 J**	<0.50	<0.50	<50	<1.0	
MW-14D	11/6/2013	30-40	27.67	13.09	0.00	0.00	14.58	**76**	--	<47	--	**2.0 J**	**0.90 J**	<0.50	**0.80 J**	<0.50	--	**13 J**	--	**15**	**1.0 J**	<0.50	<0.50	<50	<1.0	
MW-14D	2/25/2014	30-40	27.67	12.73	0.00	0.00	14.94	**100**	--	<48	--	**4.0**	**1.0 J**	**1.0 J**	**1.6 J**	<0.50	--	**21 J**	--	**24**	**1.0 J**	<0.50	<0.50	<50	<1.0	
MW-14D	6/9/2014	30-40	27.67	12.66	0.00	0.00	15.01	**100**	--	<49	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**15 J**	--	**21**	**1.0**	<0.50	<0.50	<50	<1.0	
MW-14D	9/15/2014	30-40	27.67	13.33	0.00	0.00	14.34	**66**	--	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**14 J**	--	**21**	**1.0**	<0.50	<0.50	<50	<1.0	
MW-14D	12/5/2014	30-40	27.67	13.24	0.00	0.00	14.43	**32 J**	--	<48	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**13 J**	--	**19**	**1.0**	<0.50	<0.50	<50	<1.0	
MW-14D	2/26/2015	30-40	27.67	12.39	0.00	0.00	15.28	**51**	--	<47	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**14 J**	--	**24**	**2.0**	<0.50	<0.50	<50	<1.0	
MW-14D	6/17/2015	30-40	27.67	12.91	0.00	0.00	14.76	**100**	--	<41**	--	**4.0**	<0.50	**1.0**	<0.50	<0.50	--	**18 J**	--	**22**	**2.0**	<0.50	<0.50	<50	<1.0	
MW-14D	9/3/2015	30-40	27.67	13.60	0.00	0.00	14.07	**100**	--	<42**	--	**4.0**	<0.50	**1.0**	<0.50	<0.50	--	**18 J**	--	**25**	**2.0**	<0.50	<0.50	<50	<1.0	
MW-14D	12/1/2015	30-40	27.67	13.90	0.00	0.00	13.77	**88**	--	<45**	--	**2.0**	<0.50	**1.0**	**2.0**	<0.50	--	**20**	--	**27**	**2.0**	<0.50	<0.50	<50	<1.0	
MW-14D	3/11/2016	30-40	27.67	12.98	0.00	0.00	14.69	**74**	<45**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**24**	--	**28**	**2.0**	<0.50	<0.50	<50	<1.0	
MW-14D	6/7/2016	30-40	27.67	12.60	0.00	0.00	15.07	**77**	--	<50***	--	**7.0**	<0.50	<0.50	<0.50	<0.50	--	**19 J**	--	**22**	**2.0**	<0.50	<0.50	<50	<1.0	
MW-14D	9/21/2016	30-40	27.67	14.57	0.00	0.00	13.10	**76**	--	<50***	--	<0.50	<0.50	<0.50	<0.50	**0.50 J**	--	**23**	--	**26**	**4.0**	<0.50	<0.50	<50	<1.0	
MW-14D	12/29/2016	30-40	27.67	14.31	0.00	0.00	13.36	**48 J**	--	**300*****	--	**15**	<0.50	<0.50	<0.50	<0.50	--	**10 J**	--	**17**	**3.0**	<0.50	<0.50	<50	<1.0	
MW-14D	2/16/2017	30-40	27.67	12.42	0.00	0.00	15.25	**78**	--	<45***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**27**	--	**26**	**3.0**	<0.50	<0.50	<50	<1.0	
MW-14D	5/12/2017	30-40	27.67	12.50	0.00	0.00	15.17	**61**	--	<46***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**33**	--	**28**	**2.0**	<0.50	<0.50	<50	<1.0	
MW-14D	9/20/2017	30-40	27.67	13.21	0.00	0.00	14.46	**44 J**	--	<45***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**15 J**	--	**19**	**1.0**	<0.50	<0.50	<50	<1.0	
MW-14D	11/30/2017	30-40	27.67	13.39	0.00	0.00	14.28	**26 J**	--	<46***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**13 J**	--	**19**	<0.50	<0.50	<0.50	<50	<1.0	
MW-14D	2/8/2018	30-40	27.67	13.11	0.00	0.00	14.56	<31	--	**47*****	--	<0.14	<0.24	<0.14	<0.23	<0.31	--	**14**	--	**22**	**1.2 J**	<0.44	<0.22	<50	<2.5	
MW-14D	6/1/2018	30-40	27.67	13.75	0.00	0.00	13.92	<48	--	**46 J*****	<41	<0.14	<0.24	<0.14	<0.23	<0.31	--	<4.6	--	**1.8**	<0.33	<0.44	<0.22	<50	<5.0	
MW-14D	8/22/2018	30-40	27.67	13.28	0.00	0.00	14.39	<48	--	**28 J*****	<40	<0.30	<0.29	<0.26	<0.27	<0.30	--	<3.3	--	**1.3**	<0.27	<0.27	<0.25	<54	<5.1	
MW-14D	12/20/2018	30-40	27.67	13.15	0.00	0.00	14.52	<48	**42 J**	<15	<41	<0.14	<0.13	<0.14	<0.15	<0.16	--	<3.1	<0.27	**8.6**	**0.50 J**	<0.12	<0.13	<53	<5.1	
MW-14D	2/4/2019	30-40	27.67	11.55	0.00	0.00	14.52	**37 J**	**42 J**	<50	**73**	<1.0	<1.0	<1.0	<1.0	**0.18 J**	--	**38**	<1.0	**14**	**1.3 J**	<2.0	<2.0	<100	<10	
MW-15	2/21/2006	5-25	26.94	9.96	0.00	0.00	16.98	**56,000**	--	--	--	**5,800**	**16,000**	**1,600**	**12,000**	<0.32	--	**150**	--	--	<0.25	<0.28	<0.33	--	--	
MW-15	5/16/2006	5-25	26.94	9.20	0.00	0.00	17.74	**28,000**	--	--	--	**5,400**	**3,100**	**1,900**	**5,400**	<6.4	--	**310 J**	--	--	<5.0	<5.6	<6.6	--	--	
MW-15	8/15/2006	5-25	26.94	9.75	0.00	0.00	17.19	**30,000**	--	--	--	**4,500**	**980**	**1,700**	**1,800**	<0.32	--	**98 J**	--	--	<2.5	<2.8	<3.3	--	--	
MW-15	11/21/2006	5-25	26.94	10.52	0.00	0.00	16.42	**22,000**	--	--	--	**3,100**	**510**	**1,400**	**650**	<5.0	--	**81 J**	--	--	<5.0	<5.0	<5.0	--	--	
MW-15	2/13/2007	5-25	26.94	10.64	0.00	0.00	16.30	**18,000**	--	--	--	**2,700**	**1,500**	**1,200**	**1,200**	<3.0	--	**93**	--	--	<3.0	<3.0	<3.0	--	--	
MW-15	5/22/2007	5-25	26.94	10.47	0.00	0.00	16.47	**12,000**	**1,500**	--	--	**2,400**	**680**	**950**	**700**	<3.0	--	**100**	--	--	<3.0	<3.0	<3.0	--	--	
MW-15	5/22/2007	5-25	--	--	0.00	0.00	--	**12,000**	--	--	--	**2,500**	**790**	**990**	**760**	<3.0	--	**100**	--	--	<3.0	<3.0	<3.0	--	--	
MW-15	8/9/2007	5-25	26.94	10.82	0.00	0.00	16.12	**11,000**	**1,400**	--	--	**2,100**	**560**	**790**	**460**	<2.0	--	**91**	--	--	<2.0	<2.0	<2.0	--	--	
MW-15	11/9/2007	5-25	26.94	11.13	0.00	0.00	15.81	**11,000**	**1,500**	--	--	**2,100**	**210**	**840**	**310**	<3.0	--	**73**	--	--	<3.0	<3.0	<3.0	--	--	
MW-15	2/8/2008	5-25	26.94	9.85	0.00	0.00	17.09	**7,600**	**1,500**	--	--	**2,000**	**210**	**770**	**290**	<3.0	--	**87**	--	--	<3.0	<3.0	<3.0	--	--	
MW-15	5/5/2008	5-25	26.94	10.48	0.00	0.00	16.46	**9,600**	**1,500**	--	--	**1,700**	**140**	**750**	**730**	<3.0	--	**73**	--	--	<3.0	<3.0	<3.0	--	--	
MW-15	8/14/2008	5-25	26.94	10.48	0.00	0.00	16.46	**7,100**	**1,000**	--	--	**1,700**	**52**	**530**	**400**	<3.0	--	**75**	--	--	<3.0	<3.0	<3.0	--	--	
MW-15	11/3/2008	5-25	26.94	11.91	0.00	0.00	15.03	**6,200**	**1,200**	--	--	**1,400**	**40**	**390**	**290**	<3.0	--	**69**	--	--	<3.0	<3.0	<3.0	--	--	
MW-15	2/19/2009	5-25	26.94	10.39	0.00	0.00	16.55	**3,200**	**870**	--	--	**820**	**34**	**290**	**140**	<1.0	--	**37**	--	--	<1.0	<1.0	<1.0	--	--	
MW-15	5/8/2009	5-25	26.94	11.08	0.00	0.00	15.86	**17,000**	**2,200**	--	--	**2,600**	**2,400**	**740**	**2,600**	<3.0	--	**87**	--	--	<3.0	<3.0	<3.0	--	--	

Well ID	Sample Date	Screen Interval (ft bTOC)	TOC (ft)	DTW (ft bTOC)	PSH thickness (ft)	PSH recovered (gal)	GW Elev (ft)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-d w/SGC (µg/L)	TPH-Jet A (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8260B) (µg/L)	MTBE (8021) (µg/L)	TBA (µg/L)	EDB (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Naphthalene	Comments
MW-15	8/18/2009	5-25	26.94	11.98	0.00	0.00	14.96	**30,000**	**1,800**	--	--	**3,900**	**4,900**	**1,200**	**4,800**	<5.0	--	**89**	--	--	<5.0	<5.0	<5.0	--	--	
MW-15	11/17/2009	5-25	26.94	12.55	0.00	0.00	14.39	**58,000**	**4,900**	--	--	**6,600**	**7,800**	**2,000**	**8,500**	<10	--	**190**	--	--	<10	<10	<10	--	--	
MW-15	2/15/2010	5-25	26.94	10.00	0.00	0.00	16.94	**13,000**	**1,600**	--	--	**640**	**260**	**200**	**680**	<0.50	--	**74 J**	--	<0.50	<0.50	<0.50	<0.50	--	**42**	
MW-15	5/11/2010	5-25	26.94	10.91	0.00	0.00	16.03	**19,000**	**1,500**	--	--	**1,900**	**1,400**	**490**	**2,430**	<1.0	--	**90 J**	--	<1.0	<1.0	<1.0	<1.0	<100	**72**	
MW-15	8/11/2010	5-25	26.94	11.32	0.00	0.00	15.62	**17,000**	**1,500**	--	--	**1,500**	**1,000**	**530**	**1,940**	<1.0	--	**55 J**	--	<1.0	<1.0	<1.0	<1.0	<100	**83**	
MW-15	11/2/2010	5-25	26.94	11.59	0.00	0.00	15.35	**11,000**	**1,300**	--	--	**730**	**110**	**140**	**510**	<0.50	--	**42 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**41**	
MW-15	2/16/2011	5-25	26.94	9.54	0.00	0.00	17.40	**7,400**	**1,500**	--	--	**840**	**150**	**120**	**254**	<0.50	--	**57 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**20**	
MW-15	5/18/2011	5-25	26.94	9.31	0.00	0.00	17.63	**10,000**	**1,100**	--	--	**710**	**300**	**190**	**490**	<0.50	--	**53 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**26**	
MW-15	5/18/2011	5-25	--	--	--	--	--	**8,000**	**1,000**	--	--	**700**	**290**	**190**	**510**	<0.50	--	**51 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**30**	Duplicate
MW-15	8/9/2011	5-25	26.94	11.01	0.00	0.00	15.93	**9,500**	**1,100**	--	--	**650**	**83**	**150**	**351**	<3.0	--	**60 J**	--	<3.0	<3.0	<3.0	<3.0	<250	**34**	
MW-15	11/17/2011	5-25	26.94	10.18	0.00	0.00	16.76	**55,000**	--	**720**	--	**7,800**	**7,500**	**1,900**	**7,800**	<10	--	**350 J**	--	<10	<10	<10	<10	<1,000	**200**	
MW-15	2/16/2012	5-25	26.94	10.05	0.00	0.00	16.89	**9,000**	**890**	**150**	--	**530**	**64**	**89**	**232**	<0.50	--	**37 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**24**	
MW-15	5/16/2012	5-25	26.94	10.00	0.00	0.00	16.94	**7,500**	**1,100**	**310**	--	**850**	**40**	**60**	**192**	<1.0	--	**61 J**	--	<1.0	<1.0	<1.0	<1.0	<100	**30**	
MW-15	8/16/2012	5-25	26.94	10.38	0.00	0.00	16.56	**6,900**	**770**	**520**	--	**530**	**17**	**33**	**70**	<1.0	--	**40 J**	--	<1.0	<1.0	<1.0	<1.0	<100	**14**	
MW-15	11/15/2012	5-25	26.94	10.88	0.00	0.00	16.06	**16,000**	**3,200**	**2,100**	--	**540**	**63**	**140**	**413**	<1.5	--	**56**	--	<1.2	<1.7	<2.2	<1.1	<250	**51**	
MW-15	2/22/2013	5-25	26.94	10.39	0.00	0.00	16.55	**15,000**	**1,800**	**400**	--	**580**	**760**	**430**	**1,740**	<1.0	--	**50 J**	--	<1.0	<1.0	<1.0	<1.0	<100	**80**	
MW-15	5/3/2013	5-25	26.94	10.71	0.00	0.00	16.23	**9,300**	--	**700**	--	**750**	**79**	**150**	**466**	<1.0	--	**78 J**	--	<1.0	<1.0	<1.0	<1.0	<100	**38**	
MW-15	8/6/2013	5-25	26.94	10.90	0.00	0.00	16.04	**7,800**	--	**770**	--	**710**	**70**	**140**	**417**	<0.50	--	**54 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**40**	
MW-15	11/8/2013	5-25	26.94	11.69	0.00	0.00	15.25	**13,000**	--	**450**	--	**840**	**69**	**220**	**600**	<1.0	--	**79 J**	--	<1.0	<1.0	<1.0	<1.0	<130	**52**	
MW-15	2/26/2014	5-25	26.94	11.51	0.00	0.00	15.43	**8,000**	--	**150**	--	**1,000**	**94**	**110**	**283**	<1.0	--	**85 J**	--	<1.0	<1.0	<1.0	<1.0	<100	**30**	
MW-15	6/9/2014	5-25	26.94	11.38	0.00	0.00	15.56	**15,000**	--	**1,600**	--	**1,100**	**550**	**380**	**1,240**	<0.50	--	**58**	--	<0.50	<0.50	<0.50	<0.50	<50	**75**	
MW-15	9/16/2014	5-25	26.94	11.77	0.00	0.00	15.17	**9,000**	--	**1,300**	--	**700**	**74**	**180**	**400**	<0.50	--	**40**	--	<0.50	<0.50	<0.50	<0.50	<50	**57**	
MW-15	12/5/2014	5-25	26.94	11.40	0.00	0.00	15.54	**8,900**	--	**230**	--	**1,900**	**85**	**230**	**350**	<0.50	--	**120**	--	<1.0	<1.0	<1.0	<1.0	<100	**45**	
MW-15	2/27/2015	5-25	26.94	11.56	0.00	0.00	15.38	**8,900**	--	**460**	--	**820**	**82**	**120**	**330**	<0.50	--	**59**	--	<0.50	<0.50	<0.50	<0.50	<50	**33**	
MW-15	6/16/2015	5-25	26.94	11.79	0.00	0.00	15.15	**13,000**	--	**210****	--	**1,400**	**210**	**190**	**630**	<0.50	--	**95**	--	<1.0	<1.0	<1.0	<1.0	<100	**61**	
MW-15	9/3/2015	5-25	26.94	12.48	0.00	0.00	14.46	**16,000**	--	**210****	--	**1,700**	**190**	**180**	**640**	<1.0	--	**140**	--	<1.0	<1.0	<1.0	<1.0	<100	**63**	
MW-15	12/1/2015	5-25	26.94	12.90	0.00	0.00	14.04	**22,000**	--	**460****	--	**2,100**	**960**	**660**	**2,800**	<3.0	--	**150**	--	<3.0	<3.0	<3.0	<3.0	<250	**140**	
MW-15	3/10/2016	5-25	26.94	12.18	0.00	0.00	14.76	**36,000**	**2,300****	--	--	**9,900**	**1,100**	**1,500**	**2,800**	<13	--	**1,000**	--	<13	<13	<13	<13	<1,300	**200**	
MW-15	6/7/2016	5-25	26.94	11.87	0.00	0.00	15.07	**43,000**	--	**200*****	--	**12,000**	**1,100**	**1,600**	**3,300**	<10	--	**770**	--	<10	<10	<10	<10	<1,000	**220**	
MW-15	9/21/2016	5-25	26.94	12.92	0.00	0.00	14.02	**20,000**	--	**230*****	--	**6,500**	**220**	**880**	**1,600**	<5.0	--	**560**	--	<5.0	<5.0	<5.0	<5.0	<500	**220**	
MW-15	12/30/2016	5-25	26.94	12.95	0.00	0.00	13.99	**18,000**	--	**310*****	--	**4,800**	**190**	**790**	**970**	<5.0	--	**530**	--	<5.0	<5.0	<5.0	<5.0	<500	**140**	
MW-15	2/16/2017	5-25	26.94	10.73	0.00	0.00	16.21	**29,000**	--	**130*****	--	**6,700**	**660**	**1,300**	**2,000**	<5.0	--	**940**	--	<5.0	<5.0	<5.0	<5.0	<500	**160**	
MW-15	5/11/2017	5-25	26.94	10.80	0.00	0.00	16.14	**27,000**	--	**330*****	--	**7,500**	**180**	**1,200**	**1,500**	<5.0	--	**640**	--	<5.0	<5.0	<5.0	<5.0	<500	**220**	
MW-15	9/19/2017	5-25	26.94	11.68	0.00	0.00	15.26	**14,000**	--	**93 J*****	--	**3,900**	**74**	**610**	**780**	<3.0	--	**450**	--	<3.0	<3.0	<3.0	<3.0	<250	**130**	
MW-15	11/30/2017	5-25	26.94	11.86	0.00	0.00	15.08	**13,000**	--	**89 J*****	--	**3,800**	**72**	**380**	**540**	<2.0	--	**370**	--	<1.0	<1.0	<1.0	<1.0	<100	**94**	
MW-15	2/8/2018	5-25	26.94	11.52	0.00	0.00	15.42	**11,000**	--	**1,300*****	--	**2,400**	**58**	**320**	**390**	<3.1	--	**380**	--	<2.4	<3.3	<4.4	<2.2	<500	**95 J**	
MW-15	6/1/2018	5-25	26.94	11.41	0.00	0.00	15.53	**7,100**	--	**1,300*****	**2,700**	**2,400**	**57**	**310**	**450 JA**	<6.2	--	**430**	--	<4.8	<6.7	<8.7	<4.4	<1,000	<100	
MW-15	8/24/2018	5-25	26.94	11.77	0.00	0.00	15.17	**10,000**	--	**1,200*****	**1,700**	**3,500**	**60**	**380**	**450 JA**	<6.0	--	**510**	--	<6.4	<5.5	<5.4	<5.1	<1,100	<100	
MW-15	12/20/2018	5-25	26.94	11.46	0.00	0.00	15.48	**5,700**	**260**	**740**	**3,200**	**3,400**	**52**	**300**	**190 JA**	<3.2	--	**540**	<5.3	<3.8	<3.1	<2.4	<2.5	<1,100	<100	
MW-15	2/5/2019	5-25	26.94	9.77	0.00	0.00	17.17	**4,400**	**77**	**130**	**600**	**1,700**	**23**	**130**	**58 JA**	<20	--	**270**	<20	<10	<40	<40	<40	<2,000	<200	
MW-15D	2/21/2006	30-40	27.13	10.15	0.00	0.00	16.98	**740**	--	--	--	**30**	**50**	**3.3**	**150**	**5.7**	--	**7.1 J**	--	--	**0.38 J**	<0.28	<0.33	--	--	
MW-15D	5/16/2006	30-40	27.13	9.55	0.00	0.00	17.58	**200**	--	--	--	**33**	**11**	**8.9**	**14**	**7.2**	--	**3.1 J**	--	--	<0.25	<0.28	**0.33 J**	--	--	
MW-15D	8/15/2006	30-40	27.13	10.03	0.00	0.00	17.10	**940**	--	--	--	**250**	**1.4 J**	**77**	<0.90	**5.6**	--	**17 J**	--	--	<0.25	<0.28	**0.33 J**	--	--	
MW-15D	11/21/2006	30-40	27.13	10.66	0.00	0.00	16.47	**330**	--	--	--	**95**	<0.50	**20**	<0.50	**5.0**	--	**9.0 J**	--	--	<0.50	<0.50	<0.50	--	--	
MW-15D	2/13/2007	30-40	27.13	10.75	0.00	0.00	16.38	<20	--	--	--	**0.60 J**	<0.50	<0.50	<0.50	**6.0**	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-15D	5/22/2007	30-40	27.13	10.63	0.00	0.00	16.50	<20	**420**	--	--	<0.50	<0.50	<0.50	<0.50	**5.0**	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-15D	8/9/2007	30-40	27.13	11.15	0.00	0.00	15.98	**630**	**480**	--	--	**110**	**4.0**	**18**	**3.0**	**4.0**	--	**9.0**	--	--	<0.50	<0.50	<0.50	--	--	
MW-15D	11/9/2007	30-40	27.13	11.50	0.00	0.00	15.63	**46 J**	**220**	--	--	**16**	<0.50	<0.50	<0.50	**4.0**	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-15D	2/8/2008	30-40	27.13	10.28	0.00	0.00	16.85	<20	**560**	--	--	<0.50	<0.50	<0.50	<0.50	**4.0**	--	**2.0 J**	--	--	<0.50	<0.50	<0.50	--	--	
MW-15D	5/5/2008	30-40	27.13	11.80	0.00	0.00	15.33	<20	**280**	--	--	<0.50	<0.50	<0.50	<0.50	**4.0**	--	**2.0 J**	--	--	<0.50	<0.50	<0.50	--	--	
MW-15D	8/14/2008	30-40	27.13	11.80	0.00	0.00	15.33	<20	**250**	--	--	<0.50	<0.50	<0.50	<0.50	**4.0**	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-15D	11/3/2008	30-40	27.13	12.22	0.00	0.00	14.91	<20	**140**	--	--	<0.50	<0.50	<0.50	<0.50	**3.0**	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-15D	2/19/2009	30-40	27.13	10.74	0.00	0.00	16.39	<20	**270**	--	--	<0.50	<0.50	<0.50	<0.50	**3.0**	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-15D	5/8/2009	30-40	27.13	11.42	0.00	0.00	15.71	**38 J**	**420**	--	--	**1.0**	<0.50	<0.50	<0.50	**2.0**	--	**12**	--	--	<0.50	<0.50	<0.50	--	--	
MW-15D	8/18/2009	30-40	27.13	12.34	0.00	0.00	14.79	**33 J**	**250**	--	--	<0.50	<0.50	<0.50	<0.50	**1.0**	--	**8.0**	--	--	<0.50	<0.50	<0.50	--	--	
MW-15D	8/18/2009	30-40	--	--	--	--	--	**24 J**	--	--	--	<0.50	<0.50	<0.50	<0.50	**2.0**	--	**8.0**	--	--	<0.50	<0.50	<0.50	--	--	Duplicate
MW-15D	11/17/2009	30-40	27.13	12.85	0.00	0.00	14.28	**920**	**810**	--	--	**38**	**47**	**22**	**87**	**2.0**	--	**14**	--	--	<0.50	<0.50	<0.50	--	--	
MW-15D	11/16/2009	30-40	--	--	--	--	--	**880**	**720**	--	--	**35**	**45**	**21**	**83**	**2.0**	--	**14**	--	--	<0.50	<0.50	<0.50	--	--	Duplicate
MW-15D	2/16/2010	30-40	27.13	10.50	0.00	0.00	16.63	**62**	**370**	--	--	**2.0 J**	<0.50	<0.50	<0.50	**2.0 J**	--	**11 J**	--	**5.0**	<0.50	<0.50	<0.50	--	<1.0	
MW-15D	5/10/2010	30-40	27.13	11.16	0.00	0.00	15.97	**35 J**	**280**	--	--	<0.50	<0.50	<0.50	<0.50	**1.0 J**	--	**10 J**	--	**5.0**	<0.50	<0.50	<0.50	<50	<1.0	
MW-15D	8/10/2010	30-40	27.13	11.48	0.00	0.00	15.65	**32 J**	**410**	--	--	<0.50	<0.50	<0.50	<0.50	**1.0 J**	--	**6.0 J**	--	**5.0**	<0.50	<0.50	<0.50	<50	<1.0	
MW-15D	11/2/2010	30-40	27.13	11.74	0.00	0.00	15.39	**36 J**	**460**	--	--	**0.70 J**	<0.50	<0.50	<0.50	**1.0 J**	--	**6.0 J**	--	**5.0**	<0.50	<0.50	<0.50	<50	<1.0	
MW-15D	2/15/2011	30-40	27.13	9.76	0.00	0.00	17.37	**59**	**540**	--	--	**1.0 J**	<0.50	<0.50	<0.50	**2.0 J**	--	**12 J**	--	**7.0**	<0.50	<0.50	<0.50	<50	<1.0	
MW-15D	5/17/2011	30-40	27.13	9.60	0.00	0.00	17.53	**42 J**	**250**	--	--	<0.50	<0.50	<0.50	<0.50	**0.90 J**	--	<5.0	--	**4.0**	<0.50	<0.50	<0.50	<50	<1.0	
MW-15D	8/8/2011	30-40	27.13	11.22	0.00	0.00	15.91	**110**	**720**	--	--	**15**	<0.50	**1.0 J**	<0.50	**2.0 J**	--	**10 J**	--	**3.0 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-15D	11/17/2011	30-40	27.13	10.31	0.00	0.00	16.82	<22	--	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	**3.0 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-15D	11/17/2011	30-40	--	--	--	--	--	<22	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	**3.0 J**	<0.50	<0.50	<0.50	<50	<1.0	Duplicate
MW-15D	2/15/2012	30-40	27.13	10.40	0.00	0.00	16.73	**29 J**	**150**	<50	--	<0.50	<0.50	<0.50	<0.50	**0.60 J**	--	<5.0	--	**3.0 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-15D	5/15/2012	30-40	27.13	10.23	0.00	0.00	16.90	**47 J**	**260**	<50	--	<0.50	<0.50	<0.50	<0.50	**1.0 J**	--	<5.0	--	**1.0 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-15D	8/15/2012	30-40	27.13	10.60	0.00	0.00	16.53	**110**	**340**	<50	--	**27**	<0.50	**1.0 J**	<0.50	**1.0 J**	--	**12 J**	--	**2.0 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-15D	11/15/2012	30-40	27.13	11.80	0.00	0.00	15.33	**49 J**	--	**59/59**	--	**0.28 J**	<0.24	<0.14	<0.24	**1.2**	--	**12**	--	**0.86**	<0.33	<0.44	<0.22	<50	<2.5	
MW-15D	2/21/2013	30-40	27.13	10.65	0.00	0.00	16.48	**60**	--	510/<50	--	**1.0 J**	<0.50	<0.50	<0.50	**2.0 J**	--	<5.0	--	**2.0 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-15D	5/3/2013	30-40	27.13	10.80	0.00	0.00	16.33	**56**	--	<50	--	**4.0 J**	<0.50	**1.0 J**	**0.90 J**	**0.90 J**	--	<5.0	--	**3.0 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-15D	8/6/2013	30-40	27.13	10.92	0.00	0.00	16.21	**75**	--	<48	--	**6.0**	**1.0 J**	**3.0 J**	**4.8**	**1.0 J**	--	<5.0	--	**3.0 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-15D	11/8/2013	30-40	27.13	11.94	0.00	0.00	15.19	**98**	--	<48	--	**11**	**1.0 J**	**4.0**	**3.0 J**	**1.0 J**	--	<5.0	--	**2.0 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-15D	2/26/2014	30-40	27.13	11.70	0.00	0.00	15.43	**84**	--	<48	--	**6.0**	**0.60 J**	**3.0 J**	**3.0 J**	**0.60 J**	--	**6.0 J**	--	**7.0**	<0.50	<0.50	<0.50	<50	<1.0	
MW-15D	6/9/2014	30-40	27.13	11.59	0.00	0.00	15.54	**160**	--	<48	--	**38**	**0.60 J**	**10**	**0.80 J**	**1.0**	--	**5.0 J**	--	**4.0**	<0.50	<0.50	<0.50	<50	**2.0 J**	
MW-15D	9/15/2014	30-40	27.13	12.62	0.00	0.00	14.51	**38J**	--	<48	--	**3.0**	<0.50	<0.50	<0.50	**1.0**	--	<5.0	--	**2.0**	<0.50	<0.50	<0.50	<50	<1.0	
MW-15D	12/5/2014	30-40	27.13	11.71	0.00	0.00	15.42	**35 J**	--	<55	--	<0.50	<0.50	<0.50	<0.50	**1.0**	--	<5.0	--	**0.90 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-15D	2/26/2015	30-40	27.13	11.57	0.00	0.00	15.56	**89**	--	<50	--	**14**	**1.0**	**7.0**	**2.0**	**1.0 J**	--	<5.0	--	**4.0**	<0.50	<0.50	<0.50	<50	**1.0 J**	
MW-15D	6/16/2015	30-40	27.13	11.82	0.00	0.00	15.31	**77**	--	<41**	--	**5.0**	**1.0**	**3.0**	**7.0**	<0.50	--	<5.0	--	**7.0**	<0.50	<0.50	<0.50	<50	<1.0	
MW-15D	9/3/2015	30-40	27.13	12.58	0.00	0.00	14.55	**28 J**	--	<42**	--	**0.80 J**	<0.50	<0.50	<0.50	**0.50 J**	--	<5.0	--	**5.0**	<0.50	<0.50	<0.50	<50	<1.0	
MW-15D	12/1/2015	30-40	27.13	12.95	0.00	0.00	14.18	**750**	--	<45**	--	**1.0**	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	**6.0**	<0.50	<0.50	<0.50	<50	<1.0	
MW-15D	3/10/2016	30-40	27.13	12.11	0.00	0.00	15.02	**27 J**	<45**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	**5.0**	<0.50	<0.50	<0.50	<50	<1.0	
MW-15D	6/7/2016	30-40	27.13	11.67	0.00	0.00	15.46	**23 J**	--	<50***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	**7.0**	**0.60 J**	<0.50	<0.50	<50	<1.0	
MW-15D	9/21/2016	30-40	27.13	13.25	0.00	0.00	13.88	**60**	--	<50***	--	**4.0**	<0.50	**4.0**	**9.0**	<0.50	--	<5.0	--	**2.0**	<0.50	<0.50	<0.50	<50	**1.0 J**	
MW-15D	12/30/2016	30-40	27.13	12.91	0.00	0.00	14.22	**58**	--	**1,000*****	--	<0.50	**0.60 J**	<0.50	<0.50	<0.50	--	<5.0	--	**5.0**	<0.50	<0.50	<0.50	**350**	**4.0 J**	
MW-15D	2/16/2017	30-40	27.13	11.00	0.00	0.00	16.13	**45 J**	--	<45***	--	**6.0**	<0.50	**2.0**	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-15D	5/11/2017	30-40	27.13	11.00	0.00	0.00	16.13	<22	--	<45***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	**0.70 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-15D	9/19/2017	30-40	27.13	11.80	0.00	0.00	15.33	<22	--	<45***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	**0.90 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-15D	11/30/2017	30-40	27.13	11.92	0.00	0.00	15.21	<22	--	<47***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	**0.60 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-15D	2/8/2018	30-40	27.13	11.51	0.00	0.00	15.62	<31	--	**53*****	--	<0.14	<0.24	<0.14	<0.23	<0.31	--	<4.6	--	**3.8**	**0.47 J**	<0.44	<0.22	<50	<2.5	
MW-15D	6/1/2018	30-40	27.13	11.43	0.00	0.00	15.70	<48	--	**72*****	**53**	<0.14	<0.24	<0.14	<0.23	<0.31	--	<4.6	--	**0.52**	<0.33	<0.44	<0.22	<50	<5.0	
MW-15D	8/22/2018	30-40	27.13	11.91	0.00	0.00	15.22	<48	--	**69*****	**41 J**	<0.30	<0.29	<0.26	<0.27	<0.30	--	<3.3	--	**0.98 J**	<0.27	<0.27	<0.25	<54	<5.1	
MW-15D	12/20/2018	30-40	27.13	11.90	0.00	0.00	15.23	**77**	**30 J**	**19 J**	<41	<0.14	<0.13	<0.14	<0.15	<0.16	--	<3.1	<0.27	**0.80**	<0.16	<0.12	<0.13	<53	<5.1	

Well ID	Sample Date	Screen Interval (ft bTOC)	TOC (ft)	DTW (ft bTOC)	PSH thickness (ft)	PSH recovered (gal)	GW Elev (ft)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-d w/SGC (µg/L)	TPH-Jet A (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8260B) (µg/L)	MTBE (8021) (µg/L)	TBA (µg/L)	EDB (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Naphthalene	Comments
MW-15D	2/4/2019	30-40	27.13	10.00	0.00	0.00	15.23	<50	**20 J**	<49	<49	<1.0	<1.0	<1.0	<1.0	<1.0		<10	<1.0	**0.65**	<2.0	<2.0	<2.0	<100	<10	
MW-16	2/21/2006	5-25	26.45	9.50	0.00	0.00	16.95	**85,000**	--	--	--	**12,000**	**17,000**	**1,900**	**16,000**	**72**	--	**490**	--	--	<0.25	<0.28	<0.33	--	--	
MW-16	5/16/2006	5-25	26.45	8.70	0.00	0.00	17.75	**29,000**	--	--	--	**3,900**	**1,400**	**960**	**3,200**	**28 J**	--	**150 J**	--	--	<5.0	<5.6	<6.6	--	--	
MW-16	8/15/2006	5-25	26.45	9.26	0.00	0.00	17.19	**35,000**	--	--	--	**5,900**	**5,100**	**1,700**	**4,800**	**48 J**	--	**170 J**	--	--	<2.5	<2.8	<3.3	--	--	
MW-16	11/21/2006	5-25	26.45	10.05	0.00	0.00	16.40	**45,000**	--	--	--	**5,400**	**4,400**	**1,700**	**5,000**	**51**	--	**230**	--	--	<5.0	<5.0	<5.0	--	--	
MW-16	2/13/2007	5-25	26.45	10.13	0.00	0.00	16.32	**42,000**	--	--	--	**7,700**	**3,100**	**1,700**	**5,800**	**52**	--	**270**	--	--	<5.0	<5.0	<5.0	--	--	
MW-16	5/22/2007	5-25	26.45	9.95	0.00	0.00	16.50	**33,000**	**3,300**	--	--	**6,100**	**810**	**1,400**	**4,400**	**45**	--	**280**	--	--	<5.0	<5.0	<5.0	--	--	
MW-16	8/9/2007	5-25	26.45	10.31	0.00	0.00	16.14	**29,000**	**3,500**	--	--	**7,400**	**330**	**1,400**	**4,300**	**45**	--	**300**	--	--	<5.0	<5.0	<5.0	--	--	
MW-16	11/9/2007	5-25	26.45	10.58	0.00	0.00	15.87	**38,000**	**3,500**	--	--	**9,500**	**370**	**1,700**	**4,200**	**63**	--	**280**	--	--	<13	<13	<13	--	--	
MW-16(DUP	11/9/2007	5-25	--	--	--	--	--	**38,000**	**4,400**	--	--	**9,500**	**290**	**1,600**	**4,000**	**59**	--	**300**	--	--	<10	<10	<10	--	--	Duplicate
MW-16	2/8/2008	5-25	26.45	8.77	0.00	0.00	17.68	**21,000**	**3,800**	--	--	**6,700**	**170**	**1,300**	**1,800**	**49**	--	**250**	--	--	<5.0	<5.0	<5.0	--	--	
MW-16	5/5/2008	5-25	26.45	9.85	0.00	0.00	16.60	**17,000**	**4,100**	--	--	**6,000**	**95**	**1,200**	**1,300**	**39**	--	**210**	--	--	<5.0	<5.0	<5.0	--	--	
MW-16	8/14/2008	5-25	26.45	9.85	0.00	0.00	16.60	**17,000**	**2,700**	--	--	**6,100**	**100**	**1,100**	**990**	**40**	--	**230**	--	--	<5.0	<5.0	<5.0	--	--	
MW-16	11/3/2008	5-25	26.45	11.30	0.00	0.00	15.15	**18,000**	**3,400**	--	--	**7,300**	**130**	**1,200**	**960**	**46**	--	**290**	--	--	<10	<10	<10	--	--	
MW-16	2/19/2009	5-25	26.45	7.31	0.00	0.00	19.14	**6,500**	**670**	--	--	**1,100**	**32**	**270**	**170**	**7.0**	--	**26**	--	--	<3.0	<3.0	<3.0	--	--	
MW-16	5/8/2009	5-25	26.45	10.38	0.00	0.00	16.07	**56,000**	**3,200**	--	--	**12,000**	**15,000**	**2,400**	**8,500**	**45**	--	**330**	--	--	<13	<13	<13	--	--	
MW-16	8/18/2009	5-25	26.45	11.29	0.00	0.00	15.16	**65,000**	**3,000**	--	--	**13,000**	**15,000**	**2,600**	**9,600**	**46**	--	**440**	--	--	<10	<10	<10	--	--	
MW-16	11/17/2009	5-25	26.45	11.88	0.00	0.00	14.57	**100,000**	**4,500**	--	--	**14,000**	**19,000**	**3,100**	**14,000**	**59**	--	**380**	--	--	<25	<25	<25	<25	--	
MW-16	2/15/2010	5-25	26.45	8.51	0.00	0.00	17.94	**120,000**	**3,000**	--	--	**13,000**	**23,000**	**3,800**	**18,300**	**72 J**	--	**560 J**	--	<25	<25	<25	<25	--	**400**	
MW-16	5/11/2010	5-25	26.45	10.18	0.00	0.00	16.27	**110,000**	**3,600**	--	--	**16,000**	**21,000**	**3,800**	**18,000**	**59 J**	--	**600 J**	--	<20	<20	<20	<20	<2,000	**300**	
MW-16	8/11/2010	5-25	26.45	10.58	0.00	0.00	15.87	**120,000**	**3,400**	--	--	**15,000**	**19,000**	**3,800**	**18,000**	**63 J**	--	**440 J**	--	<10	<10	<10	<10	<1,000	**290**	
MW-16	11/2/2010	5-25	26.45	11.01	0.00	0.00	15.44	**150,000**	**2,100**	--	--	**16,000**	**18,000**	**4,600**	**20,700**	**63 J**	--	**450 J**	--	<10	<10	<10	<10	<1,000	**440**	
MW-16	2/16/2011	5-25	26.45	8.78	0.00	0.00	17.67	**110,000**	**4,000**	--	--	**12,000**	**15,000**	**5,000**	**17,900**	**60 J**	--	**340 J**	--	<10	<10	<10	<10	<1,000	**580**	
MW-16	5/18/2011	5-25	26.45	8.60	0.00	0.00	17.85	**86,000**	**3,500**	--	--	**12,000**	**13,000**	**3,500**	**15,100**	**54**	--	**380 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**380**	
MW-16	8/9/2011	5-25	26.45	9.06	0.00	0.00	17.39	**110,000**	**3,600**	--	--	**17,000**	**18,000**	**4,100**	**16,600**	**58 J**	--	**390 J**	--	<13	<13	<13	<13	<1,300	**320**	
MW-16	11/17/2011	5-25	26.45	9.57	0.00	0.00	16.88	**120,000**	--	**580**	--	**14,000**	**14,000**	**3,600**	**15,300**	**52 J**	--	**460 J**	--	<10	<10	<10	<10	<1,000	**430**	
MW-16	2/17/2012	5-25	26.45	9.45	0.00	0.00	17.00	**110,000**	**3,800**	**840**	--	**13,000**	**14,000**	**4,000**	**17,600**	**48**	--	**370 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**430**	
MW-16	5/16/2012	5-25	26.45	9.33	0.00	0.00	17.12	**130,000**	**3,700**	**580**	--	**14,000**	**12,000**	**3,800**	**16,400**	**53**	--	**480 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**450**	
MW-16	8/16/2012	5-25	26.45	9.81	0.00	0.00	16.64	**78,000**	**4,500**	**7,000**	--	**11,000**	**9,800**	**3,000**	**12,700**	**48**	--	**360 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**330**	
MW-16	11/16/2012	5-25	26.45	10.32	0.00	0.00	16.13	**86,000**	**51,000**	**22,000**	--	**12,000**	**9,100**	**3,500**	**13,300**	**47 J**	--	<460	--	<24	<33	<44	<22	<5,000	**870 J**	
MW-16	2/22/2013	5-25	26.45	9.65	0.00	0.00	16.80	**96,000**	**7,800**	**1,600**	--	**12,000**	**10,000**	**3,700**	**14,700**	**46**	--	**300 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**420**	
MW-16	5/3/2013	5-25	26.45	9.90	0.00	0.00	16.55	**92,000**	--	**2,500**	--	**11,000**	**8,800**	**3,400**	**12,900**	**39 J**	--	**410 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**440**	
MW-16(DUP	5/3/2013	5-25	--	--	--	--	--	**88,000**	--	**5,100**	--	**11,000**	**8,800**	**3,300**	**12,900**	**40**	--	**420 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**450**	Duplicate
MW-16	8/6/2013	5-25	26.45	9.98	0.00	0.00	16.47	**84,000**	--	**2,200**	--	**11,000**	**9,600**	**3,600**	**14,500**	**44**	--	**390 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**380**	
MW-16(DUP	8/6/2013	5-25	--	--	--	--	--	**94,000**	--	**2,300**	--	**12,000**	**10,000**	**3,800**	**15,800**	**45**	--	**390 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**370**	Duplicate
MW-16	11/7/2013	5-25	26.45	10.70	0.00	0.00	15.75	**88,000**	--	**3,200**	--	**11,000**	**11,000**	**3,000**	**12,400**	**40**	--	**430 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**380**	
MW-16(DUP	11/7/2013	5-25	--	--	--	--	--	**87,000**	--	**1,300**	--	**11,000**	**11,000**	**3,000**	**12,400**	**39 J**	--	**420 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**380**	Duplicate
MW-16	2/25/2014	5-25	26.45	10.98	0.00	0.00	15.47	**110,000**	--	**2,800**	--	**13,000**	**13,000**	**3,800**	**16,200**	**41 J**	--	**410 J**	--	<10	<10	<10	<10	<1,000	**500**	
MW-16(DUP	2/25/2014	5-25	--	--	--	--	--	**97,000**	--	**2,100**	--	**12,000**	**12,000**	**3,400**	**13,800**	**39 J**	--	**420 J**	--	<10	<10	<10	<10	<1,000	**420**	Duplicate
MW-16	6/9/2014	5-25	26.45	10.68	0.00	0.00	15.77	**21,000**	--	**270**	--	**2,700**	**690**	**800**	**2,200**	**9.0**	--	**100**	--	<1.0	<1.0	<1.0	<1.0	<100	**180**	
MW-16(DUP	6/9/2014	5-25	--	--	--	--	--	**20,000**	--	**240**	--	**2,700**	**690**	**770**	**2,210**	**9.0**	--	**100**	--	<3.0	<3.0	<3.0	<3.0	<250	**180**	Duplicate
MW-16	9/16/2014	5-25	26.45	11.17	0.00	0.00	15.28	**71,000**	--	**990**	--	**8,100**	**7,800**	**2,600**	**11,000**	**25**	--	**340**	--	<5.0	<5.0	<5.0	<5.0	<500	**330**	
MW-16(DUP	9/16/2014	5-25	--	--	--	--	--	**64,000**	--	**1,700**	--	**8,000**	**7,600**	**2,500**	**10,000**	**26**	--	**230**	--	<5.0	<5.0	<5.0	<5.0	<500	**350**	Duplicate
MW-16	12/5/2014	5-25	26.45	10.03	0.00	0.00	16.42	**88,000**	--	**2,700**	--	**5,500**	**5,100**	**2,900**	**11,000**	**19**	--	**180**	--	<3.0	<3.0	<3.0	<3.0	<250	**370**	
MW-16(DUP	12/5/2014	5-25	--	--	--	--	--	**70,000**	--	**3,300**	--	**5,900**	**5,700**	**3,800**	**15,000**	**18 J**	--	**190 J**	--	<10	<10	<10	<10	<1,000	**660**	Duplicate
MW-16	2/27/2015	5-25	26.45	10.58	0.00	0.00	15.87	**80,000**	--	**2,400**	--	**7,000**	**9,200**	**3,300**	**13,000**	**20**	--	**120**	--	<3.0	<3.0	<3.0	<3.0	<250	**410**	
MW-16(DUP	2/27/2015	5-25	--	--	--	--	--	**79,000**	--	**1,600**	--	**6,900**	**9,100**	**3,300**	**13,000**	**20**	--	**110**	--	<3.0	<3.0	<3.0	<3.0	<250	**410**	Duplicate
MW-16	6/17/2015	5-25	26.45	10.91	0.00	0.00	15.54	**98,000**	--	**550****	--	**9,100**	**10,000**	**3,000**	**13,000**	**26**	--	**230**	--	<5.0	<5.0	<5.0	<5.0	<500	**390**	
MW-16(DUP	6/17/2015	5-25	--	--	--	--	--	**89,000**	--	**460****	--	**8,500**	**9,300**	**2,800**	**12,000**	**26**	--	**230**	--	<5.0	<5.0	<5.0	<5.0	<500	**370**	Duplicate
MW-16	9/3/2015	5-25	26.45	11.61	0.00	0.00	14.84	**120,000**	--	**400****	--	**11,000**	**12,000**	**3,800**	**16,000**	**32**	--	**620**	--	<5.0	<5.0	<5.0	<5.0	<500	**370**	
MW-16(DUP	9/3/2015	5-25	--	--	--	--	--	**120,000**	--	**460****	--	**11,000**	**12,000**	**3,800**	**15,000**	**32**	--	**270**	--	<5.0	<5.0	<5.0	<5.0	<500	**350**	Duplicate
MW-16	12/1/2015	5-25	26.45	12.09	0.00	0.00	14.36	**120,000**	--	**420****	--	**9,500**	**11,000**	**4,600**	**19,000**	**31**	--	**230 J**	--	<10	<10	<10	<10	<1,000	**560**	
MW-16(DUP	12/1/2015	5-25	--	--	--	--	--	**110,000**	--	**640****	--	**9,000**	**11,000**	**3,500**	**15,000**	**28**	--	**220**	--	<5.0	<5.0	<5.0	<5.0	<500	**430**	Duplicate
MW-16	3/10/2016	5-25	26.45	11.21	0.00	0.00	15.24	**26,000**	**2,100****	--	--	**3,000**	**740**	**990**	**2,700**	**8 J**	--	**130 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**160**	
MW-16(DUP	3/10/2016	5-25	--	--	--	--	--	**23,000**	**2,100****	--	--	**2,900**	**770**	**1,000**	**2,800**	**8 J**	--	**120 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**170**	Duplicate
MW-16	6/6/2016	5-25	26.45	10.49	0.00	0.00	15.96	**29,000**	--	**160*****	--	**3,800**	**800**	**1,100**	**3,100**	**9.0**	--	**140**	--	<3.0	<3.0	<3.0	<3.0	<250	**160**	
MW-16(DUP	6/6/2016	5-25	--	--	--	--	--	**29,000**	--	**210*****	--	**3,700**	**800**	**1,000**	**3,000**	**9.0**	--	**98 J**	--	<3.0	<3.0	<3.0	<3.0	<250	**160**	Duplicate
MW-16	9/21/2016	5-25	26.45	12.12	0.00	0.00	14.33	**20,000**	--	**100*****	--	**4,200**	**320**	**940**	**2,200**	**14**	--	**140**	--	<3.0	<3.0	<3.0	<3.0	<250	**160**	
MW-16(DUP	9/21/2016	5-25	--	--	--	--	--	**21,000**	--	**120*****	--	**3,700**	**310**	**980**	**2,300**	**12**	--	**150 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**160**	Duplicate
MW-16	12/29/2016	5-25	26.45	12.08	0.00	0.00	14.37	**6,900**	--	**48 J*****	--	**360**	**30**	**110**	**450**	**3.0**	--	**21**	--	<0.50	<0.50	<0.50	<0.50	<50	**89**	
MW-16(DUP	12/29/2016	5-25	--	--	--	--	--	**5,200**	--	<45***	--	**310**	**22**	**69**	**340**	**2.0**	--	**17 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**56**	Duplicate
MW-16	2/16/2017	5-25	26.45	9.01	0.00	0.00	17.44	**3,900**	--	<45***	--	**150**	**8.0**	**16**	**100**	**0.90 J**	--	**6.0 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**41**	
MW-16(DUP	2/16/2017	5-25	--	--	--	--	--	**3,400**	--	<46***	--	**160**	**7.0**	**12**	**95**	**1.0 J**	--	**6.0 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**42**	Duplicate
MW-16	5/11/2017	5-25	26.45	9.85	0.00	0.00	16.60	**4,200**	--	**71 J*****	--	**480**	**9.0**	**68**	**64**	**3.0**	--	**22**	--	<0.50	<0.50	<0.50	<0.50	<50	**36**	
MW-16(DUP	5/11/2017	5-25	--	--	--	--	--	**4,000**	--	**72 J*****	--	**470**	**9.0**	**68**	**66**	**3.0**	--	**22**	--	<0.50	<0.50	<0.50	<0.50	<50	**36**	Duplicate
MW-16	9/19/2017	5-25	26.45	10.88	0.00	0.00	15.57	**5,900**	--	**89 J*****	--	**780**	**50**	**160**	**240**	**5.0**	--	**42**	--	<0.50	<0.50	<0.50	<0.50	<50	**56**	
MW-16(DUP	9/19/2017	5-25	--	--	--	--	--	**7,700**	--	**79 J*****	--	**880**	**51**	**160**	**240**	**5.0**	--	**33**	--	<0.50	<0.50	<0.50	<0.50	<50	**56**	Duplicate
MW-16	11/30/2017	5-25	26.45	11.01	0.00	0.00	15.44	**10,000**	--	**68 J*****	--	**1,700**	**150**	**300**	**670**	**7.0**	--	**37**	--	<0.50	<0.50	<0.50	<0.50	<50	**58**	
MW-16(DUP	11/30/2017	5-25	--	--	--	--	--	**10,000**	--	**76 J*****	--	**1,700**	**150**	**310**	**660**	**7.0**	--	**39**	--	<0.50	<0.50	<0.50	<0.50	<50	**57**	Duplicate
MW-16	2/8/2018	5-25	26.45	10.90	0.00	0.00	15.55	**13,000**	--	**970*****	--	**1,800**	**150**	**350**	**760**	**7.3 J**	--	<46	--	<2.4	<2.4	<3.3	<4.4	<2.2	<500	**72 J**
MW-16(DUP	2/8/2018	5-25	--	--	--	--	--	**9,800**	--	**760*****	--	**1,700**	**110**	**260**	**570**	**5.3 J**	--	<46	--	<2.4	<2.4	<3.3	<4.4	<2.2	<500	**51 J**
MW-16	6/1/2018	5-25	26.45	10.54	0.00	0.00	15.91	**6,300**	--	**1,600*****	**2,500**	**1,000**	**97**	**310**	**890**	<3.1	--	<46	--	<2.4	<2.4	<3.3	<4.4	<2.2	<500	**74 J**
MW-16(DUP	6/1/2018	5-25	--	--	--	--	--	**6,200**	--	**1,400*****	**2,000**	**1,000**	**97**	**310**	**900**	<3.1	--	<46	--	<2.4	<2.4	<3.3	<4.4	<2.2	<500	**76 J**
MW-16	8/24/2018	5-25	26.45	10.99	0.00	0.00	15.46	**6,200**	--	**520*****	**720**	**970**	**41**	**150**	**570**	**4.9 J**	--	**86 J**	--	<3.2	<2.7	<2.7	<2.5	<540	<51	
MW-16(DUP	8/24/2018	--	--	--	--	--	--	**6,200**	--	**540*****	**1,000**	**940**	**42**	**160**	**570**	**5.0**	--	**76**	--	<0.32	<0.27	<0.27	<0.25	<54	**80**	Duplicate
MW-16	12/21/2018	5-25	26.45	10.84	0.00	0.00	15.61	**9,100**	**220**	**1,500**	**2,800**	**1,700**	**49**	**400**	**930**	<1.6	--	**220**	<2.7	<1.9	<1.6	<1.2	<1.3	<530	**110**	
MW-16(DUP	12/21/2018	5-25	26.45	--	--	--	--	**8,600**	**240**	**1,900**	**3,000**	**1,700**	**50**	**410**	**910**	<1.6	--	**100**	<2.7	<1.9	<1.6	<1.2	<1.3	<530	**110**	Duplicate
MW-16	2/4/2019	5-25	26.45	5.12	0.00	0.00	21.33	**1,200**	**47**	<46	**280**	**16**	**1.3**	**0.39 J**	**50**	<1.0	--	<10	<1.0	<0.50	<2.0	<2.0	<2.0	<100	**12**	
WW-16 (DUP	2/4/2019	--	--	--	--	--	--	**1,400**	**49 J**	<50	**260**	**15**	**1.4**	**0.36 J**	**46**	<1.0	--	<10	<1.0	<0.50	<2.0	<2.0	<2.0	<100	**10**	
MW-16D	2/21/2006	30-40	26.61	9.71	0.00	0.00	16.90	**28,000**	--	--	--	**3,300**	**8,900**	**1,100**	**7,000**	**8.6 J**	--	**87 J**	--	--	<2.5	<2.8	<0.33	--	--	
MW-16D	5/16/2006	30-40	26.61	8.92	0.00	0.00	17.69	**30,000**	--	--	--	**6,400**	**630**	**940**	**3,900**	**24 J**	--	**160 J**	--	--	<6.2	<7.0	<8.2	--	--	
MW-16D	8/15/2006	30-40	26.61	9.58	0.00	0.00	17.03	**32,000**	--	--	--	**6,200**	**1,700**	**1,300**	**1,100**	**38 J**	--	**150 J**	--	--	<2.5	<2.8	<3.3	--	--	
MW-16D	11/21/2006	30-40	26.61	10.35	0.00	0.00	16.26	**26,000**	--	--	--	**5,200**	**1,500**	**920**	**820**	**40 J**	--	**210**	--	--	<5.0	<5.0	<5.0	--	--	
MW-16D	2/13/2007	30-40	26.61	10.35	0.00	0.00	16.26	**11,000**	--	--	--	**4,500**	**62**	**31**	**23**	**40**	--	**210**	--	--	<5.0	<5.0	<5.0	--	--	
MW-16D	5/22/2007	30-40	26.61	10.22	0.00	0.00	16.39	**3,700**	**2,400**	--	--	**1,200**	**11**	**23**	**13**	**38**	--	**210**	--	--	<1.0	<1.0	<1.0	--	--	
MW-16D	8/9/2007	30-40	26.61	10.71	0.00	0.00	15.90	**11,000**	**2,500**	--	--	**2,300**	**290**	**770**	**350**	**30**	--	**180**	--	--	<0.50	<0.50	<0.50	--	--	
MW-16D	11/9/2007	30-40	26.61	10.64	0.00	0.00	15.97	**18,000**	**2,300**	--	--	**3,200**	**470**	**910**	**540**	**30**	--	**170**	--	--	<3.0	<3.0	<3.0	--	--	
MW-16D	2/8/2008	30-40	26.61	9.64	0.00	0.00	16.97	**17,000**	**2,700**	--	--	**3,200**	**1,400**	**1,000**	**3,200**	**24**	--	**160**	--	--	<3.0	<3.0	<3.0	--	--	
MW-16D	5/5/2008	30-40	26.61	10.32	0.00	0.00	16.29	**18,000**	**3,000**	--	--	**4,800**	**600**	**1,100**	**2,700**	**27**	--	**240**	--	--	<5.0	<5.0	<5.0	--	--	
MW-16D	8/14/2008	30-40	26.61	10.32	0.00	0.00	16.29	**20,000**	**2,100**	--	--	**5,500**	**770**	**1,400**	**4,000**	**29**	--	**240**	--	--	<5.0	<5.0	<5.0	--	--	
MW-16D	11/3/2008	30-40	26.61	11.74	0.00	0.00	14.87	**12,000**	**2,800**	--	--	**2,600**	**310**	**750**	**1,900**	**25**	--	**220**	--	--	<5.0	<5.0	<5.0	--	--	
MW-16D	2/19/2009	30-40	26.61	9.90	0.00	0.00	16.71	**11,000**	**2,600**	--	--	**1,300**	**380**	**410**	**600**	**19**	--	**190**	--	--	<1.0	<1.0	<1.0	--	--	
MW-16D	5/8/2009	30-40	26.61	10.86	0.00	0.00	15.75	**8,200**	**1,400**	--	--	**2,400**	**1,400**	**650**	**1,000**	**11**	--	**120**	--	--	<3.0	<3.0	<3.0	--	--	
MW-16D	8/18/2009	30-40	26.61	11.77	0.00	0.00	14.84	**25,000**	**1,800**	--	--	**5,100**	**5,500**	**1,300**	**4,000**	**19**	--	**230**	--	--	<5.0	<5.0	<5.0	--	--	

Well ID	Sample Date	Screen Interval (ft bTOC)	TOC (ft)	DTW (ft bTOC)	PSH thickness (ft)	PSH recovered (gal)	GW Elev (ft)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-d w/SGC (µg/L)	TPH-Jet A (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8260B) (µg/L)	MTBE (8021) (µg/L)	TBA (µg/L)	EDB (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Naphthalene	Comments
MW-16D	11/17/2009	30-40	26.61	11.66	0.00	0.00	14.95	**2,100**	**270**	**--**	**--**	**260**	**160**	**150**	**350**	**1.0 J**	**--**	**29**	**--**	**--**	<1.0	<1.0	<1.0	**--**	**--**	
MW-16D	2/15/2010	30-40	26.61	9.63	0.00	0.00	16.98	**20,000**	**1,800**	**--**	**--**	**4,200**	**1,300**	**1,200**	**2,900**	**20 J**	**--**	**210 J**	**--**	<5.0	<5.0	<5.0	<5.0	--	**82**	
MW-16D	5/11/2010	30-40	26.61	10.04	0.00	0.00	16.57	**9,100**	**880**	**--**	**--**	**2,600**	**720**	**480**	**990**	**11**	**--**	**140**	**--**	**67**	<0.50	<0.50	<0.50	<50	**37**	
MW-16D	8/11/2010	30-40	26.61	10.92	0.00	0.00	15.69	**8,800**	**830**	**--**	**--**	**2,000**	**770**	**460**	**1,010**	**11**	**--**	**160 J**	**--**	<1.0	<1.0	<1.0	<1.0	<100	**23**	
MW-16D	11/2/2010	30-40	26.61	11.16	0.00	0.00	15.45	**3,600**	**510**	**--**	**--**	**730**	**310**	**190**	**460**	**6.0**	**--**	**94**	**--**	**32**	<0.50	<0.50	<0.50	<50	**9.0**	
MW-16D	2/16/2011	30-40	26.61	9.13	0.00	0.00	17.48	**7,100**	**940**	**--**	**--**	**2,200**	**320**	**350**	**670**	**11**	**--**	**160**	**--**	<1.0	<1.0	<1.0	<1.0	<100	**27**	
MW-16D	5/18/2011	30-40	26.61	8.72	0.00	0.00	17.89	**7,400**	**960**	**--**	**--**	**2,500**	**420**	**520**	**1,260**	**13**	**--**	**150**	**--**	<0.50	<0.50	<0.50	<0.50	<50	**52**	
MW-16D	8/9/2011	30-40	26.61	10.79	0.00	0.00	15.82	**8,100**	**870**	**--**	**--**	**1,600**	**650**	**410**	**1,170**	**8 J**	**--**	**120 J**	**--**	<1.0	<1.0	<1.0	<1.0	<100	**30**	
MW-16D	11/17/2011	30-40	26.61	9.53	0.00	0.00	17.08	**5,100**	**--**	<32	**--**	**1,100**	**170**	**300**	**612**	**7.0 J**	**--**	**120 J**	**--**	**35**	<1.0	<1.0	<1.0	<100	**27**	
MW-16D	2/16/2012	30-40	26.61	9.65	0.00	0.00	16.96	**1,200**	**250**	<50	**--**	**250**	**21**	**84**	**99**	**3.0 J**	**--**	**81**	**--**	**25**	<0.50	<0.50	<0.50	<50	**5.0**	
MW-16D	5/16/2012	30-40	26.61	9.72	0.00	0.00	16.89	**600**	**130**	<50	**--**	**100**	**7.0**	**28**	**28**	**2.0 J**	**--**	**68 J**	**--**	**22**	**0.60 J**	<0.50	<0.50	<50	**2.0 J**	
MW-16D	8/16/2012	30-40	26.61	10.24	0.00	0.00	16.37	**1,200**	**310**	**81 J**	**--**	**290**	**11**	**72**	**49**	**5.0**	**--**	**120**	**--**	**20**	<0.50	<0.50	<0.50	<50	**4.0 J**	
MW-16D	11/15/2012	30-40	26.61	10.63	0.00	0.00	15.98	**1,600**	**780**	**190**	**--**	**410**	**11**	**110**	**79.4**	**4.0**	**--**	**130**	**--**	<1.2	<1.7	<2.2	<1.1	<250	<12	
MW-16D	2/22/2013	30-40	26.61	9.80	0.00	0.00	16.81	**420**	**630**	<50	**--**	**91**	**3.0 J**	**24**	**10**	**2.0 J**	**--**	**69 J**	**--**	**26**	<0.50	<0.50	<0.50	<50	**1.0 J**	
MW-16D	5/3/2013	30-40	26.61	10.29	0.00	0.00	16.32	**1,100**	**--**	<52	**--**	**260**	**4.0**	**83**	**24**	**2.0 J**	**--**	**67 J**	**--**	**29**	**2.0 J**	<0.50	<0.50	<50	**7.0**	
MW-16D	8/6/2013	30-40	26.61	10.81	0.00	0.00	15.80	**3,500**	**--**	<49	**--**	**990**	**15**	**270**	**128**	**5.0**	**--**	**98**	**--**	<0.50	<0.50	<0.50	<0.50	<50	**29**	
MW-16D	11/6/2013	30-40	26.61	10.99	0.00	0.00	15.62	**3,700**	**--**	<47	**--**	**1,000**	**26**	**270**	**119**	**5.0**	**--**	**95**	**--**	<0.50	**0.80 J**	<0.50	<0.50	<50	**26**	
MW-16D	2/26/2014	30-40	26.61	11.26	0.00	0.00	15.35	**2,600**	**--**	<48	**--**	**860**	**9.0**	**230**	**68**	**3.0 J**	**--**	**69 J**	**--**	**29**	**1.0 J**	<0.50	<0.50	<50	**24**	
MW-16D	6/9/2014	30-40	26.61	11.13	0.00	0.00	15.48	**3,200**	**--**	<49	**--**	**950**	**15**	**270**	**68**	**5.0**	**--**	**87**	**--**	<0.50	**0.90 J**	<0.50	<0.50	<50	**25**	
MW-16D	9/15/2014	30-40	26.61	11.76	0.00	0.00	14.85	**2,100**	**--**	<52	**--**	**670**	**9.0**	**120**	**23**	**8.0**	**--**	**150**	**--**	**14**	**0.60 J**	<0.50	<0.50	<50	**12**	
MW-16D	12/5/2014	30-40	26.61	11.40	0.00	0.00	15.21	**3,600**	**--**	<52	**--**	**1,100**	**22**	**310**	**120**	**9.0**	**--**	**160**	**--**	<0.50	<0.50	<0.50	<0.50	<50	**30**	
MW-16D	2/26/2015	30-40	26.61	11.11	0.00	0.00	15.50	**1,800**	**--**	<47	**--**	**430**	**8.0**	**95**	**31**	**8.0**	**--**	**130**	**--**	<0.50	<0.50	<0.50	<0.50	<50	**21**	
MW-16D	6/16/2015	30-40	26.61	11.02	0.00	0.00	15.59	**690**	**--**	<42**	**--**	**130**	**2.0**	**34**	**7.0**	**3.0**	**--**	**74**	**--**	**13**	**0.60 J**	<0.50	<0.50	<50	**4.0 J**	
MW-16D	9/3/2015	30-40	26.61	12.10	0.00	0.00	14.51	**1,200**	**--**	<42**	**--**	**280**	**5.0**	**83**	**15**	**4.0**	**--**	**84**	**--**	**16**	**0.70 J**	<0.50	<0.50	<50	**7.0**	
MW-16D	12/1/2015	30-40	26.61	12.22	0.00	0.00	14.39	**910**	**--**	<45**	**--**	**230**	**4.0**	**54**	**12**	**2.0**	**--**	**69**	**--**	<0.50	**0.70 J**	<0.50	<0.50	<50	**6.0**	
MW-16D	3/10/2016	30-40	26.61	11.41	0.00	0.00	15.20	**86**	<45**	--	**--**	<0.50	<0.50	<0.50	<0.50	**2.0**	**--**	**66**	**--**	**2.0**	**0.80 J**	<0.50	<0.50	<50	<1.0	
MW-16D	6/7/2016	30-40	26.61	10.96	0.00	0.00	15.65	**220**	**--**	<50***	**--**	**11**	<0.50	**0.70 J**	<0.50	**4.0**	**--**	**140**	**--**	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-16D	9/21/2016	30-40	26.61	12.74	0.00	0.00	13.87	**7,100**	**--**	**68 J*** **	**--**	**2,500**	**49**	**160**	**47**	**12**	**--**	**230**	**--**	<3.0	<3.0	<3.0	<3.0	<250	**73**	
MW-16D	12/30/2016	30-40	26.61	12.30	0.00	0.00	14.31	**6,400**	**--**	<45***	**--**	**2,400**	**21**	**46**	**36**	**10**	**--**	**230**	**--**	<3.0	<3.0	<3.0	<3.0	<250	**69**	
MW-16D	2/16/2017	30-40	26.61	10.14	0.00	0.00	16.47	**13,000**	**--**	**89 J*** **	**--**	**5,100**	**78**	**460**	**65**	**15**	**--**	**300**	**--**	<3.0	<3.0	<3.0	<3.0	<250	**130**	
MW-16D	5/11/2017	30-40	26.61	10.62	0.00	0.00	15.99	**7,900**	**--**	**70 J*** **	**--**	**2,600**	**24**	**63**	**52**	**13**	**--**	**300**	**--**	<3.0	<3.0	<3.0	<3.0	<250	**100**	
MW-16D	9/19/2017	30-40	26.61	11.31	0.00	0.00	15.30	**6,200**	**--**	<45***	**--**	**1,700**	**12**	**8.0**	**24**	**13**	**--**	**260**	**--**	<1.0	<1.0	<1.0	<1.0	<100	**88**	
MW-16D	11/30/2017	30-40	26.61	11.40	0.00	0.00	15.21	**3,600**	**--**	<47***	**--**	**690**	**8.0**	**4.0**	**14**	**11**	**--**	**210**	**--**	<0.50	<0.50	<0.50	<0.50	<50	**50**	
MW-16D	2/8/2018	30-40	26.61	11.20	0.00	0.00	15.41	**460**	**--**	**290*** **	**--**	<0.71	<1.2	<0.69	<1.1	**11**	**--**	<23	**--**	<1.2	<1.7	<2.2	<1.1	<250	<12	
MW-16D	6/1/2018	30-40	26.61	10.93	0.00	0.00	15.68	**340**	**--**	**110*** **	**160**	**3.1**	<0.24	**0.21 J**	**0.53 JA**	**2.1**	**--**	**74**	**--**	<0.24	**1.2 J**	<0.44	<0.22	<50	**7.4 J**	
MW-16D	8/23/2018	30-40	26.61	11.46	0.00	0.00	15.15	**770**	**--**	**230*** **	**280**	**18**	**1.0**	**0.51 J**	**0.87 JA**	**5.7**	**--**	**120**	--	<0.32	**0.39 J**	<0.27	<0.25	<54	**12**	
MW-16D	12/20/2018	30-40	26.61	11.63	0.00	0.00	14.98	**920**	**100**	**240**	**480**	**27**	**3.2**	**0.96 J**	**2.4 JA**	**8.7**	**--**	**180**	<0.27	<0.19	**0.23 J**	<0.12	<0.13	<53	**28**	
MW-16D	2/4/2019	30-40	26.61	8.95	0.00	0.00	14.98	**4,100**	**200**	**570**	**1,900**	**1,800**	**23**	**80**	**17 JA**	**14**	**--**	**270**	<10	<5.0	<20	<20	<20	<1,000	**110**	
MW-17	2/21/2006	5-25	26.94	10.98	0.00	0.00	15.96	**32,000**	**--**	**--**	**--**	**11,000**	**2,100**	**310**	**3,100**	**19,000**	**--**	**5,700**	**--**	**--**	<5.0	<5.6	<6.6	**--**	**--**	
MW-17	5/16/2006	5-25	26.94	10.09	0.00	0.00	16.85	**39,000**	**--**	**--**	**--**	**12,000**	**2,500**	**860**	**1,800**	**6,500**	**--**	**3,300**	**--**	**--**	<12	<14	<16	**--**	**--**	
MW-17	8/15/2006	5-25	26.94	10.86	0.00	0.00	16.08	**37,000**	**--**	**--**	**--**	**12,000**	**2,000**	**1,100**	**2,000**	**16,000**	**--**	**4,900**	**--**	**--**	<6.2	<7.0	<8.2	**--**	**--**	
MW-17	11/21/2006	5-25	26.94	11.67	0.00	0.00	15.27	**51,000**	**--**	**--**	**--**	**9,400**	**1,800**	**1,100**	**1,800**	**15,000**	**--**	**6,600**	**--**	**--**	<5.0	<5.0	**5.0 J**	**--**	**--**	
MW-17	2/13/2007	5-25	26.94	11.87	0.00	0.00	15.07	**50,000**	**--**	**--**	**--**	**11,000**	**2,500**	**630**	**2,400**	**9,400**	**--**	**4,300**	**--**	**--**	<10	<10	<10	**--**	**--**	
MW-17	5/22/2007	5-25	26.94	11.45	0.00	0.00	15.49	**35,000**	**3,900**	**--**	**--**	**10,000**	**1,700**	**620**	**1,500**	**4,300**	**--**	**2,700**	**--**	**--**	<10	<10	<10	**--**	**--**	
MW-17	5/22/2007	5-25	--	--	0.00	0.00	--	**42,000**	**--**	**--**	**--**	**10,000**	**1,800**	**710**	**1,600**	**4,400**	**--**	**2,700**	**--**	**--**	<10	<10	<10	**--**	**--**	Duplicate
MW-17	8/9/2007	5-25	26.94	11.70	0.00	0.00	15.24	**39,000**	**4,900**	**--**	**--**	**20,000**	**1,400**	**680**	**1,500**	**4,400**	**--**	**2,700**	**--**	**--**	<10	<10	<10	**--**	**--**	
MW-17	8/9/2007	5-25	--	--	--	--	--	**38,000**	**--**	**--**	**--**	**10,000**	**1,500**	**690**	**1,500**	**4,600**	**--**	**2,700**	**--**	**--**	<10	<10	<10	**--**	**--**	Duplicate
MW-17	11/9/2007	5-25	26.94	11.94	0.00	0.00	15.00	**65,000**	**4,900**	**--**	**--**	**19,000**	**2,000**	**1,100**	**2,400**	**11,000**	**--**	**2,900**	**--**	**--**	<13	<13	<13	**--**	**--**	
MW-17	2/8/2008	5-25	26.94	10.89	0.00	0.00	16.05	**35,000**	**4,200**	**--**	**--**	**12,000**	**1,100**	**870**	**1,600**	**5,700***	**--**	**2,500***	**--**	**--**	<13	<13	<13	**--**	**--**	
MW-17	2/8/2008	5-25	--	--	--	--	--	**31,000**	**4,200**	**--**	**--**	**12,000**	**900**	**760**	**1,400**	**6,000**	**--**	**2,600**	**--**	**--**	<10	<10	<10	**--**	**--**	Duplicate
MW-17	5/5/2008	5-25	26.94	11.39	0.00	0.00	15.55	**33,000**	**4,700**	**--**	**--**	**9,400**	**520**	**820**	**1,200**	**8,700**	**--**	**3,800**	**--**	**--**	<10	<10	<10	**--**	**--**	
MW-17	5/5/2008	5-25	--	--	--	--	--	**35,000**	**4,300**	**--**	**--**	**9,600**	**510**	**800**	**1,200**	**8,400**	**--**	**3,700**	**--**	**--**	<10	<10	<10	**--**	**--**	Duplicate
MW-17	8/14/2008	5-25	26.94	11.39	0.00	0.00	15.55	**32,000**	**4,400**	**--**	**--**	**13,000**	**390**	**910**	**1,000**	**16,000**	**--**	**4,900**	**--**	**--**	<13	<13	<13	**--**	**--**	
MW-17	11/3/2008	5-25	26.94	12.95	0.00	0.00	13.99	**49,000**	**5,600**	**--**	**--**	**15,000**	**350**	**1,100**	**900**	**23,000**	**--**	**7,800**	**--**	**--**	<13	<13	<13	**--**	**--**	
MW-17	2/19/2009	5-25	26.94	11.24	0.00	0.00	15.70	**39,000**	**4,300**	**--**	**--**	**10,000**	**280**	**620**	**560**	**8,100**	**--**	**4,600**	**--**	**--**	<25	<25	<25	**--**	**--**	
MW-17	2/19/2009	5-25	--	--	--	--	--	**35,000**	**4,300**	**--**	**--**	**10,000**	**270**	**650**	**580**	**7,800**	**--**	**4,600**	**--**	**--**	<5.0	<5.0	<5.0	**--**	**--**	Duplicate
MW-17	5/8/2009	5-25	26.94	11.78	0.00	0.00	15.16	**49,000**	**5,700**	**--**	**--**	**15,000**	**2,500**	**1,300**	**3,300**	**5,400**	**--**	**5,800**	**--**	**--**	<13	<13	<13	**--**	**--**	
MW-17	8/18/2009	5-25	26.94	12.64	0.00	0.00	14.30	**50,000**	**5,200**	**--**	**--**	**17,000**	**2,100**	**1,200**	**3,200**	**3,600**	**--**	**8,000**	**--**	**--**	<10	<10	<10	**--**	**--**	
MW-17	11/16/2009	5-25	26.94	13.18	0.00	0.00	13.76	**55,000**	**6,600**	**--**	**--**	**16,000**	**1,400**	**1,300**	**2,700**	**5,300**	**--**	**13,000**	**--**	**--**	<25	<25	<25	**--**	**--**	
MW-17	2/16/2010	5-25	26.94	10.83	0.00	0.00	16.11	**41,000**	**3,400**	**--**	**--**	**12,000**	**520**	**840**	**1,020**	**3,100**	**--**	**9,100**	**--**	<10	<10	<10	<10	**--**	**300**	
MW-17	2/16/2010	5-25	--	--	--	--	--	**42,000**	**4,500**	**--**	**--**	**13,000**	**570**	**870**	**1,050**	**3,200**	**--**	**11,000 J**	**--**	<10	<10	<10	<10	**--**	**370**	Duplicate
MW-17	5/11/2010	5-25	26.94	11.59	0.00	0.00	15.35	**49,000**	**4,500**	**--**	**--**	**15,000**	**920**	**1,100**	**2,210**	**1,900**	**--**	**9,800**	**--**	<10	<10	<10	<10	<1,000	**430**	
MW-17	8/11/2010	5-25	26.94	11.95	0.00	0.00	14.99	**57,000**	**4,600**	**--**	**--**	**16,000**	**1,200**	**1,500**	**2,670**	**2,100**	**--**	**12,000**	**--**	<10	<10	<10	<10	<1,000	**410**	
MW-17	11/2/2010	5-25	26.94	12.26	0.00	0.00	14.68	**57,000**	**3,900**	**--**	**--**	**15,000**	**720**	**1,200**	**1,850**	**2,200**	**--**	**9,300**	**--**	<5.0	<5.0	<5.0	<5.0	<500	**420**	
MW-17	2/16/2011	5-25	26.94	10.41	0.00	0.00	16.53	**53,000**	**4,700**	**--**	**--**	**15,000**	**1,500**	**2,500**	**3,690**	**3,900**	**--**	**13,000**	**--**	<10	<10	<10	<10	<1,000	**860**	
MW-17	5/18/2011	5-25	26.94	10.34	0.00	0.00	16.60	**24,000**	**4,100**	**--**	**--**	**14,000**	**510**	**1,100**	**1,610**	**1,700**	**--**	**6,100**	**--**	<5.0	<5.0	<5.0	<5.0	<500	**400**	
MW-17	8/9/2011	5-25	26.94	10.81	0.00	0.00	16.13	**53,000**	**4,700**	**--**	**--**	**18,000**	**710**	**1,400**	**1,850**	**2,000**	**--**	**6,800**	**--**	<10	<10	<10	<10	<1,000	**420**	
MW-17	11/17/2011	5-25	26.94	11.22	0.00	0.00	15.72	**44,000**	**--**	**580**	**--**	**14,000**	**550**	**1,100**	**1,860**	**2,000**	**--**	**4,000**	**--**	<10	<10	<10	<10	<1,000	**460**	
MW-17	2/16/2012	5-25	26.94	11.17	0.00	0.00	15.77	**54,000**	**3,900**	**640**	**--**	**14,000**	**700**	**1,300**	**2,450**	**1,800**	**--**	**2,800**	**--**	<5.0	<5.0	<5.0	<5.0	<500	**480**	
MW-17	5/16/2012	5-25	26.94	11.24	0.00	0.00	15.70	**51,000**	**3,500**	**630**	**--**	**11,000**	**410**	**1,000**	**1,370**	**1,200**	**--**	**3,200**	**--**	<5.0	<5.0	<5.0	<5.0	<500	**380**	
MW-17	8/16/2012	5-25	26.94	11.68	0.00	0.00	15.26	**42,000**	**5,400**	**1,600**	**--**	**12,000**	**590**	**1,200**	**1,820**	**1,100**	**--**	**2,200**	**--**	<13	<13	<13	<13	<1,300	**380**	
MW-17	11/16/2012	5-25	26.94	12.03	0.00	0.00	14.91	**41,000**	**20,000**	**6,600**	**--**	**10,000**	**500**	**1,200**	**1,570**	**850**	**--**	**1,400**	**--**	<4.8	<6.7	<8.7	<4.4	<1,000	**300**	
MW-17	2/22/2013	5-25	26.94	11.53	0.00	0.00	15.41	**32,000**	**4,500**	**620**	**--**	**8,500**	**590**	**1,000**	**1,290**	**650**	**--**	**1,200**	**--**	<5.0	<5.0	<5.0	<5.0	<500	**330**	
MW-17	5/3/2013	5-25	26.94	11.70	0.00	0.00	15.24	**25,000**	**--**	**3,300**	**--**	**6,500**	**220**	**710**	**523**	**520**	**--**	**2,100**	**--**	<3.0	<3.0	<3.0	<3.0	<250	**190**	
MW-17	8/6/2013	5-25	26.94	12.00	0.00	0.00	14.94	**31,000**	**--**	**950**	**--**	**8,600**	**340**	**1,100**	**1,089**	**770**	**--**	**1,500**	**--**	<5.0	<5.0	<5.0	<5.0	<500	**340**	
MW-17	11/6/2013	5-25	26.94	12.64	0.00	0.00	14.30	**30,000**	**--**	**1,400**	**--**	**6,800**	**330**	**930**	**760**	**490**	**--**	**1,300**	**--**	<5.0	<5.0	<5.0	<5.0	<500	**290**	
MW-17	2/25/2014	5-25	26.94	12.34	0.00	0.00	14.60	**28,000**	**--**	**960**	**--**	**6,800**	**280**	**920**	**665**	**480**	**--**	**1,300**	**--**	<5.0	<5.0	<5.0	<5.0	<500	**230**	
MW-17	6/9/2014	5-25	26.94	11.98	0.00	0.00	14.96	**18,000**	**--**	**450**	**--**	**5,400**	**120**	**740**	**149**	**190**	**--**	**550**	**--**	<5.0	<5.0	<5.0	<5.0	<500	**29 J**	
MW-17	9/16/2014	5-25	26.94	12.58	0.00	0.00	14.36	**22,000**	**--**	**640**	**--**	**6,200**	**230**	**840**	**460**	**410**	**--**	**1,100**	**--**	<5.0	<5.0	<5.0	<5.0	<500	**260**	
MW-17	12/5/2014	5-25	26.94	12.65	0.00	0.00	14.29	**41,000**	**--**	**3,100**	**--**	**9,000**	**350**	**1,200**	**880**	**570**	**--**	**1,800**	**--**	<10	<10	<10	<10	<1,000	**320**	
MW-17	2/27/2015	5-25	26.94	12.10	0.00	0.00	14.84	**26,000**	**--**	**4,000**	**--**	**6,000**	**230**	**1,100**	**580**	**350**	**--**	**700**	**--**	<3.0	<3.0	<3.0	<3.0	<250	**330**	
MW-17	6/17/2015	5-25	26.94	12.14	0.00	0.00	14.80	**27,000**	**--**	**630****	**--**	**5,700**	**190**	**870**	**380**	**320**	**--**	**880**	**--**	<5.0	<5.0	<5.0	<5.0	<500	**260**	
MW-17	9/3/2015	5-25	26.94	12.77	0.00	0.00	14.17	**36,000**	**--**	**720****	**--**	**8,600**	**230**	**1,100**	**430**	**520**	**--**	**1,400**	**--**	<5.0	<5.0	<5.0	<5.0	<500	**310**	
MW-17	12/1/2015	5-25	26.94	13.16	0.00	0.00	13.78	**20,000**	**--**	**750****	**--**	**7,600**	**210**	**1,100**	**440**	**510**	**--**	**1,600**	**--**	<5.0	<5.0	<5.0	<5.0	<500	**430**	
MW-17	3/11/2016	5-25	26.94	12.31	0.00	0.00	14.63	**6,400**	**1,000****	**--**	**--**	**1,400**	**21**	**190**	**22**	**58**	**--**	**500**	**--**	<0.50	<0.50	<0.50	<0.50	<50	**53**	
MW-17	6/7/2016	5-25	26.94	11.81	0.00	0.00	15.13	**4,500**	**--**	**160*****	**--**	**3,300**	**28**	**290**	**20**	**100**	**--**	**1,000**	**--**	<1.0	**1.0 J**	<1.0	<1.0	<100	**71**	
MW-17	9/21/2016	5-25	26.94	13.46	0.00	0.00	13.48	**17,000**	**--**	**240*****	**--**	**6,400**	**71**	**280**	**61**	**220**	**--**	**4,000**	**--**	<5.0	<5.0	<5.0	<5.0	<500	**160**	
MW-17	12/29/2016	5-25	26.94	14.41	0.00	0.00	12.53	**14,000**	**--**	**<46*****	**--**	**4,800**	**36**	**170**	**43**	**180**	**--**	**2,300**	**--**	<3.0	<3.0	<3.0	<3.0	<250	**120**	
MW-17	2/16/2017	5-25	26.94	11.82	0.00	0.00	15.12	**6,700**	**--**	**120*****	**--**	**1,800**	**19**	**69**	**22**	**120**	**--**	**760**	**--**	<1.0	<1.0	<1.0	<1.0	<100	**110**	
MW-17	5/12/2017	5-25	26.94	12.20	0.00	0.00	14.74	**8,600**	**--**	**73 J*** **	**--**	**2,400**	**10**	**88**	**8.0**	**140**	**--**	**2,200**	**--**	<3.0	<3.0	<3.0	<3.0	<250	**20 J**	
MW-17	9/20/2017	5-25	26.94	12.80	0.00	0.00	14.14	**11,000**	**--**	**260*****	**--**	**2,800**	**35**	**230**	**29**	**83**	**--**	**740**	**--**	<1.0	**2.0 J**	<1.0	<1.0	<100	**170**	
MW-17	11/30/2017	5-25	26.94	12.92	0.00	0.00	14.02	**6,400**	**--**	**160*****	**--**	**1,600**	**19**	**110**	**19**	**77**	**--**	**570**	**--**	**6.0**	**2.0**	<0.50	<0.50	<50	**80**	
MW-17	2/8/2018	5-25	26.94	12.70	0.00	0.00	14.24	**4,100**	**--**	**540*****	**--**	**860**	**11**	**39**	**3.2 JA**	**65**	**--**	**470**	**--**	<1.2	**2.4 J**	<2.2	<1.1	<250	**35 J**	
MW-17	6/1/2018	5-25	26.94	12.33	0.00	0.00	14.61	**1,500**	**--**	**470*****	**880**	**200**	**4.7**	**5.8**	**1.5 JA**	**79**	**--**	**560**	**--**	<0.48	**1.1 J**	<0.87	<0.44	<100	<10	
MW-17	8/24/2018	5-25	26.94	12.75	0.00	0.00	14.19	**1,900**	**--**	**250*****	**290**	**160**	**7.8**	**6.3**	**2.3 JA**	**110**	**--**	**550**	**--**	<0.32	**1.2 J**	<0.27	<0.25	<54	**12**	
MW-17	12/20/2018	5-25	26.94	12.78	0.00	0.00	14.16	**1,700**	**110**	**230**	**600**	**130**	**7.6**	**5.3**	**4.0 JA**	**100**	**--**	**510**	<0.27	<0.19	**1.2 J**	<0.12	<0.13	<53	**17**	

Well ID	Sample Date	Screen Interval (ft bTOC)	TOC (ft)	DTW (ft bTOC)	PSH thickness (ft)	PSH recovered (gal)	GW Elev (ft)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-d w/SGC (µg/L)	TPH-Jet A (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8260B) (µg/L)	MTBE (8021) (µg/L)	TBA (µg/L)	EDB (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Naphthalene	Comments
MW-17	2/4/2019	5-25	26.94	10.73	0.00	0.00	16.21	**1,100**	**76**	**110**	**380**	**49**	**2.5**	<1.0	**1.6 JA**	**47**		**270**	<1.0	<0.50	**0.92 J**	<2.0	<2.0	<100	<10	
MW-17D	2/21/2006	30-40	27.05	10.40	0.00	0.00	16.65	**3,700**	--	--	--	**510**	**130**	**1.5 J**	**720**	**22**	--	**99 J**	--	--	**3.3 J**	<0.506	<0.66	--	--	
MW-17D	5/16/2006	30-40	27.05	9.60	0.00	0.00	17.45	**300**	--	--	--	**71**	**30**	**11**	**28**	**17**	--	**110**	--	--	**0.42 J**	<0.28	<0.33	--	--	
MW-17D	8/15/2006	30-40	27.05	10.06	0.00	0.00	16.99	**46 J**	--	--	--	**1.6 J**	<0.36	**0.40 J**	<0.90	**4.1 J**	--	<3.1	--	--	<0.25	<0.28	<0.33	--	--	
MW-17D	11/21/2006	30-40	27.05	11.09	0.00	0.00	15.96	**41 J**	--	--	--	**1.0 J**	**0.80 J**	<0.50	<0.50	**4.0**	--	<5.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-17D	2/13/2007	30-40	27.05	11.30	0.00	0.00	15.75	**25 J**	--	--	--	<0.50	<0.50	<0.50	<0.50	**4.0**	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-17D	5/22/2007	30-40	27.05	11.27	0.00	0.00	15.78	<20	**280**	--	--	<0.50	<0.50	<0.50	<0.50	**3.0**	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-17D	8/9/2007	30-40	27.05	11.22	0.00	0.00	15.83	<20	**260**	--	--	<0.50	<0.50	<0.50	<0.50	**2.0**	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-17D	11/8/2007	30-40	27.05	12.60	0.00	0.00	14.45	**28 J**	**130**	--	--	<0.50	<0.50	<0.50	<0.50	**2.0**	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-17D	2/8/2008	30-40	27.05	10.50	0.00	0.00	16.55	**25 J**	**300**	--	--	<0.50	<0.50	<0.50	<0.50	**1.0**	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
MW-17D	5/5/2008	30-40	27.05	10.98	0.00	0.00	16.07	<20	**140**	--	--	<0.50	<0.50	<0.50	<0.50	**0.90 J**	--	<2.0	--	--	**0.70 J**	<0.50	<0.50	--	--	
MW-17D	8/14/2008	30-40	27.05	12.00	0.00	0.00	15.05	<20	**80 J**	--	--	<0.50	<0.50	<0.50	<0.50	**0.70 J**	--	<2.0	--	--	**0.70 J**	<0.50	<0.50	--	--	
MW-17D	11/3/2008	30-40	27.05	12.37	0.00	0.00	14.68	<20	**76 J**	--	--	<0.50	<0.50	<0.50	<0.50	**0.60 J**	--	<2.0	--	--	**0.60 J**	<0.50	<0.50	--	--	
MW-17D	2/19/2009	30-40	27.05	10.80	0.00	0.00	16.25	<20	**92 J**	--	--	<0.50	<0.50	<0.50	<0.50	**0.70 J**	--	<2.0	--	--	**0.70 J**	<0.50	<0.50	--	--	
MW-17D	5/8/2009	30-40	27.05	11.65	0.00	0.00	15.40	**50 J**	**210**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**42**	--	--	**2.0**	<0.50	<0.50	--	--	
MW-17D	5/8/2009	30-40	--	--	--	--	--	**47 J**	**190**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**43**	--	--	**2.0**	<0.50	<0.50	--	--	Duplicate
MW-17D	8/18/2009	30-40	27.05	12.36	0.00	0.00	14.69	**57**	**100**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**50**	--	--	**2.0**	<0.50	<0.50	--	--	
MW-17D	11/17/2009	30-40	27.05	12.88	0.00	0.00	14.17	**81**	**100**	--	--	<0.50	<0.50	<0.50	<0.50	**1.0**	--	**61**	--	--	**2.0**	<0.50	<0.50	--	--	
MW-17D	2/16/2010	30-40	27.05	10.44	0.00	0.00	16.61	**120**	**120**	--	--	<0.50	<0.50	<0.50	<0.50	**1.0 J**	--	**66 J**	--	**55**	**2.0 J**	<0.50	<0.50	--	<1.0	
MW-17D	5/10/2010	30-40	27.05	11.13	0.00	0.00	15.92	**76**	**83 J**	--	--	<0.50	<0.50	<0.50	<0.50	**1.0 J**	--	**77 J**	--	**53**	**2.0 J**	<0.50	<0.50	<50	<1.0	
MW-17D	5/10/2010	30-40	--	--	--	--	--	**76**	**93 J**	--	--	<0.50	<0.50	<0.50	<0.50	**1.0 J**	--	**78 J**	--	**53**	**2.0 J**	<0.50	<0.50	<50	<1.0	Duplicate
MW-17D	8/10/2010	30-40	27.05	11.44	0.00	0.00	15.61	**91**	**120**	--	--	<0.50	<0.50	<0.50	<0.50	**0.80 J**	--	**62 J**	--	**48**	**2.0 J**	<0.50	<0.50	<50	<1.0	
MW-17D	11/1/2010	30-40	27.05	11.88	0.00	0.00	15.17	**85**	**200**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**57 J**	--	**54**	**2.0 J**	<0.50	<0.50	<50	<1.0	
MW-17D	2/15/2011	30-40	27.05	9.98	0.00	0.00	17.07	**93**	**270**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**49 J**	--	**55**	**2.0 J**	<0.50	<0.50	<50	<1.0	
MW-17D	5/17/2011	30-40	27.05	9.79	0.00	0.00	17.26	**98**	**150**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**36 J**	--	**50**	**1.0 J**	<0.50	<0.50	<50	<1.0	
MW-17D	8/8/2011	30-40	27.05	10.22	0.00	0.00	16.83	**150**	**300**	--	--	**0.80 J**	<0.50	**1.0 J**	**1.0 J**	<0.50	--	**33 J**	--	**43**	**2.0 J**	<0.50	<0.50	<50	<1.0	
MW-17D	11/16/2011	30-40	27.05	10.41	0.00	0.00	16.64	**54**	--	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**26 J**	--	**31**	**2.0 J**	<0.50	<0.50	<50	<1.0	
MW-17D	11/16/2011	30-40	--	--	--	--	--	**45 J**	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**24 J**	--	**30**	**1.0 J**	<0.50	<0.50	<50	<1.0	Duplicate
MW-17D	2/15/2012	30-40	27.05	11.48	0.00	0.00	15.57	**110**	**95 J**	<50	--	<0.50	**0.70 J**	**1.0 J**	**0.70 J**	<0.50	--	**22 J**	--	**30**	**1.0 J**	<0.50	<0.50	<50	<1.0	
MW-17D	5/15/2012	30-40	27.05	10.49	0.00	0.00	16.56	**180**	**120**	<50	--	<0.50	<0.50	**0.80 J**	<0.50	<0.50	--	**12 J**	--	**26**	**1.0 J**	<0.50	<0.50	<50	<1.0	
MW-17D	5/15/2012	30-40	--	--	--	--	--	**190**	--	--	--	<0.50	<0.50	**0.90 J**	<0.50	<0.50	--	**23 J**	--	**27**	**2.0 J**	<0.50	<0.50	<50	<1.0	Duplicate
MW-17D	8/15/2012	30-40	27.05	11.00	0.00	0.00	16.05	**200**	**94 J**	<50	--	**1.0 J**	**0.70 J**	**4.0 J**	**2.0 J**	<0.50	--	**24 J**	--	**21**	**1.0 J**	<0.50	<0.50	<50	<1.0	
MW-17D	11/14/2012	30-40	27.05	11.43	0.00	0.00	15.62	**150**	**220**	**63**	--	**0.29 J**	<0.24	**1.1**	**0.62 J**	**0.37 J**	--	**29**	--	**24**	**1.5 J**	<0.44	<0.22	<50	<2.5	
MW-17D	2/21/2013	30-40	27.05	11.09	0.00	0.00	15.96	**53**	**410**	<50	--	<0.50	<0.50	<0.50	<0.50	**0.60 J**	--	**18 J**	--	**24**	**2.0 J**	<0.50	<0.50	<50	<1.0	
MW-17D	5/3/2013	30-40	27.05	11.02	0.00	0.00	16.03	**85**	--	<47	--	**2.0 J**	<0.50	**0.70 J**	**0.50 J**	**0.60 J**	--	**19 J**	--	**23**	**2.0 J**	<0.50	<0.50	<50	<1.0	
MW-17D	8/6/2013	30-40	27.05	11.59	0.00	0.00	15.46	**100**	--	<48	--	**0.80 J**	<0.50	<0.50	<0.50	<0.50	--	**19 J**	--	**24**	**2.0 J**	<0.50	<0.50	<50	<1.0	
MW-17D	11/7/2013	30-40	27.05	12.11	0.00	0.00	14.94	**76**	--	<47	--	**0.80 J**	<0.50	**0.50 J**	<0.50	<0.50	--	**19 J**	--	**18**	**2.0 J**	<0.50	<0.50	<50	<1.0	
MW-17D	2/25/2014	30-40	27.05	11.82	0.00	0.00	15.23	**510**	--	<47	--	**5.0**	**2.0 J**	**30**	**22.8**	<0.50	--	**21 J**	--	**31**	**2.0 J**	<0.50	<0.50	<50	**6.0**	
MW-17D	6/9/2014	30-40	27.05	11.72	0.00	0.00	15.33	**350**	--	**170**	--	<0.50	<0.50	**9.0**	**3.0**	<0.50	--	**21**	--	**28**	**2.0**	<0.50	<0.50	<50	**3.0 J**	
MW-17D	9/15/2014	30-40	27.05	12.41	0.00	0.00	14.64	**75**	--	<51	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**22**	--	**31**	**3.0**	<0.50	<0.50	<50	<1.0	
MW-17D	12/5/2014	30-40	27.05	12.11	0.00	0.00	14.94	**430**	--	**310**	--	**0.50 J**	<0.50	**9.0**	**1.0**	<0.50	--	**25**	--	**32**	**2.0**	<0.50	<0.50	<50	**2.0 J**	
MW-17D	2/26/2015	30-40	27.05	11.73	0.00	0.00	15.32	**180**	--	**140**	--	**4.0**	<0.50	**3.0**	**0.80 J**	<0.50	--	**32**	--	**40**	**2.0**	<0.50	<0.50	<50	<1.0	
MW-17D	6/17/2015	30-40	27.05	11.92	0.00	0.00	15.13	**110**	--	<42**	--	<0.50	<0.50	**0.60 J**	<0.50	<0.50	--	**43**	--	**35**	**2.0**	<0.50	<0.50	<50	<1.0	
MW-17D	9/3/2015	30-40	27.05	12.64	0.00	0.00	14.41	**120**	--	**67 J****	--	**2.0**	<0.50	**1.0**	<0.50	**0.50 J**	--	**44**	--	**35**	**3.0**	<0.50	<0.50	<50	<1.0	
MW-17D	12/1/2015	30-40	27.05	12.86	0.00	0.00	14.19	**110**	--	<45**	--	**0.80 J**	<0.50	<0.50	<0.50	<0.50	--	**34**	--	**30**	**2.0**	<0.50	<0.50	<50	<1.0	
MW-17D	3/11/2016	30-40	27.05	12.28	0.00	0.00	14.77	**110**	<45**	--	--	**9.0**	**2.0**	**1.0**	**2.0**	**0.80 J**	--	**26**	--	**23**	**3.0**	<0.50	<0.50	<50	<1.0	
MW-17D	6/7/2016	30-40	27.05	11.55	0.00	0.00	15.50	**62**	--	**63 J*****	--	<0.50	<0.50	<0.50	<0.50	**0.70 J**	--	**23**	--	**19**	**4.0**	<0.50	<0.50	<50	<1.0	
MW-17D	9/21/2016	30-40	27.05	13.37	0.00	0.00	13.68	**93**	--	<50***	--	**28**	**5.0**	**2.0**	**4.0**	**2.0**	--	**27**	--	**14**	**4.0**	<0.50	<0.50	<50	<1.0	
MW-17D	12/29/2016	30-40	27.05	13.32	0.00	0.00	13.73	<22	--	<45***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	**1.0 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-17D	2/16/2017	30-40	27.05	11.00	0.00	0.00	16.05	**71**	--	<45***	--	<0.50	<0.50	<0.50	<0.50	**1.0**	--	**38**	--	**22**	**2.0**	<0.50	<0.50	<50	<1.0	
MW-17D	5/12/2017	30-40	27.05	11.30	0.00	0.00	15.75	**49 J**	--	<45***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**23**	--	**18**	**1.0**	<0.50	<0.50	<50	<1.0	
MW-17D	9/20/2017	30-40	27.05	12.01	0.00	0.00	15.04	**66**	--	<46***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**25**	--	**20**	**1.0**	<0.50	<0.50	<50	<1.0	
MW-17D	11/30/2017	30-40	27.05	12.22	0.00	0.00	14.83	**36 J**	--	<45***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**21**	--	**22**	**1.0**	<0.50	<0.50	<50	<1.0	
MW-17D	2/8/2018	30-40	27.05	11.88	0.00	0.00	15.17	**36 J**	--	**40 J*****	--	<0.14	<0.24	<0.14	<0.23	<0.31	--	**20**	--	**22**	**2.2**	<0.44	<0.22	<50	<2.5	
MW-17D	6/1/2018	30-40	27.05	11.59	0.00	0.00	15.46	**56**	--	**190*****	**87**	<0.14	<0.24	<0.14	<0.23	<0.31	--	**26**	--	**22**	**1.8 J**	<0.44	<0.22	<50	<5.0	
MW-17D	8/23/2018	30-40	27.05	12.13	0.00	0.00	14.92	<48	--	**100****	**63**	<0.30	<0.29	<0.26	<0.27	<0.30	--	**24**	--	**22**	**2.0**	<0.27	<0.25	<54	<5.1	
MW-17D	12/20/2018	30-40	27.05	11.96	0.00	0.00	15.09	<48	<16	<16	<43	<0.14	<0.13	<0.14	<0.15	<0.16	--	<3.1	<0.27	<0.19	<0.16	<0.12	<0.13	<53	<5.1	
MW-17D	2/4/2019	30-40	27.05	9.96	0.00	0.00	17.09	<50	<50	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0	--	<10	<1.0	<0.50	<2.0	<2.0	<2.0	<100	<10	
MW-18	2/19/2009	5-25	26.35	7.56	0.00	0.00	18.79	**3,500**	**490**	--	--	**8.0**	**1.0**	**2.0**	**2.0**	**7.0**	--	**3.0 J**	--	--	<0.50	<0.50	<0.50	--	--	
MW-18	5/8/2009	5-25	26.35	10.24	0.00	0.00	16.11	**4,300**	**770**	--	--	**42**	**3.0**	**10**	**8.0**	**67**	--	**57**	--	--	<0.50	<0.50	<0.50	--	--	
MW-18	8/18/2009	5-25	26.35	11.12	0.00	0.00	15.23	**2,400**	**540**	--	--	**17**	**1.0**	**3.0**	**2.0**	**24**	--	**82**	--	--	<0.50	<0.50	<0.50	--	--	
MW-18	11/17/2009	5-25	26.35	11.70	0.00	0.00	14.65	**2,600**	**1,100**	--	--	**28**	**2.0**	**7.0**	**4.0**	**47**	--	**63**	--	--	<0.50	<0.50	<0.50	--	--	
MW-18	2/15/2010	5-25	26.35	8.30	0.00	0.00	18.05	**2,500**	**830**	--	--	**77**	**4.0 J**	**13**	**8.0**	**76**	--	**52 J**	--	<0.50	<0.50	<0.50	<0.50	--	**40**	
MW-18	5/11/2010	5-25	26.35	10.05	0.00	0.00	16.30	**3,700**	**800**	--	--	**37**	**2.0 J**	**6.0**	**3.7 J**	**47**	--	**68 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**13**	
MW-18	8/11/2010	5-25	26.35	10.45	0.00	0.00	15.90	**3,200**	**640**	--	--	**22**	**1.0 J**	**4.0**	**2.0 J**	**48**	--	**60 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**5.0**	
MW-18	11/2/2010	5-25	26.35	10.69	0.00	0.00	15.66	**3,000**	**850**	--	--	**23**	**1.0 J**	**5.0**	**2.0 J**	**42**	--	**59 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**5.0 J**	
MW-18	2/16/2011	5-25	26.35	8.64	0.00	0.00	17.71	**4,100**	**800**	--	--	**76**	**3.0 J**	**14**	**7.0**	**54**	--	**26 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**25**	
MW-18	5/17/2011	5-25	26.35	8.44	0.00	0.00	17.91	**2,800**	**690**	--	--	**28**	**1.0 J**	**4.0**	**2.6 J**	**38**	--	**26 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**11**	
MW-18	8/9/2011	5-25	26.35	8.93	0.00	0.00	17.42	**3,100**	**540**	--	--	**30**	**1.0 J**	**5.0**	**3.7 J**	**39**	--	**30 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**9.0**	
MW-18	11/17/2011	5-25	26.35	9.41	0.00	0.00	16.94	**2,700**	--	**100**	--	**9.0**	**0.80 J**	**2.0 J**	**1.0 J**	**28**	--	**59 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**6.0**	
MW-18	2/16/2012	5-25	26.35	9.35	0.00	0.00	17.00	**3,000**	**700**	**79 J**	--	**20**	**0.90 J**	**5.0**	**2.5 J**	**29**	--	**53 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**7.0**	
MW-18	5/15/2012	5-25	26.35	9.21	0.00	0.00	17.14	**3,400**	**770**	**110**	--	**11**	**0.50 J**	**2.0 J**	**2.0 J**	**28**	--	**26 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**6.0**	
MW-18	8/16/2012	5-25	26.35	9.73	0.00	0.00	16.62	**2,800**	**760**	**410**	--	**17**	**0.90 J**	**4.0**	**2.0 J**	**27**	--	**49 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**4.0 J**	
MW-18	11/15/2012	5-25	26.35	10.30	0.00	0.00	16.05	**2,900**	**1,300**	**500**	--	**19**	**0.82 J**	**4.4**	**2.3**	**23**	--	**46**	--	<0.24	<0.33	<0.44	<0.22	<50	**6.1 J**	
MW-18	2/21/2013	5-25	26.35	9.61	0.00	0.00	16.74	**3,200**	**1,200**	**88 J**	--	**32**	**1.0 J**	**9.0**	**2.5**	**28**	--	**40 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**6.0**	
MW-18	5/3/2013	5-25	26.35	9.80	0.00	0.00	16.55	**3,000**	--	**100**	--	**8.0**	<0.50	**1.0 J**	**1.0 J**	**26**	--	**37 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**3.0 J**	
MW-18	8/6/2013	5-25	26.35	10.46	0.00	0.00	15.89	**2,500**	--	**73 J**	--	**9.0**	<0.50	**2.0 J**	**1.0 J**	**24**	--	**33 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**4.0 J**	
MW-18	11/6/2013	5-25	26.35	11.51	0.00	0.00	14.84	**1,900**	--	**110**	--	**5.0**	**0.70 J**	**2.0 J**	**6.0**	**15**	--	**20 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**8.0**	
MW-18	2/25/2014	5-25	26.35	10.90	0.00	0.00	15.45	**2,000**	--	**62 J**	--	**5.0**	<0.50	**2.0 J**	**4.0 J**	**16**	--	**24 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**6.0**	
MW-18	6/9/2014	5-25	26.35	10.60	0.00	0.00	15.75	**2,000**	--	**64 J**	--	**10**	**0.80 J**	**3.0**	**6.0**	**19**	--	**23**	--	<0.50	<0.50	<0.50	<0.50	<50	**7.0**	
MW-18	9/15/2014	5-25	26.35	11.14	0.00	0.00	15.21	**2,000**	--	**78 J**	--	**31**	**1.0 J**	**4.0**	**3.0**	**19**	--	**25**	--	<0.50	<0.50	<0.50	<0.50	<50	**5.0 J**	
MW-18	12/5/2014	5-25	26.35	10.43	0.00	0.00	15.92	**1,700**	--	**99 J**	--	**5.0**	**1.0**	**4.0**	**12**	**8.0**	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**12**	
MW-18	2/26/2015	5-25	26.35	10.13	0.00	0.00	16.22	**2,100**	--	**120**	--	**47**	**1.0**	**6.0**	**7.0**	**19**	--	**17 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**9.0**	
MW-18	6/16/2015	5-25	26.35	10.72	0.00	0.00	15.63	**2,300**	--	**78 J****	--	**10**	**0.60 J**	**3.0**	**5.0**	**19**	--	**11 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**7.0**	
MW-18	9/3/2015	5-25	26.35	11.58	0.00	0.00	14.77	**2,000**	--	**79 J****	--	**5.0**	**1.0**	**5.0**	**12**	**20**	--	**18 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**12**	
MW-18	11/30/2015	5-25	26.35	11.90	0.00	0.00	14.45	**1,800**	--	**77 J****	--	**17**	**0.60 J**	**4.0**	**3.0**	**14**	--	**17 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**5.0 J**	
MW-18	3/10/2016	5-25	26.35	10.99	0.00	0.00	15.36	**1,000**	**260****	--	--	**2.0 J**	<1.0	**4.0**	**6.0**	**8.0**	--	<10	--	<1.0	<1.0	<1.0	<1.0	<100	**9 J**	
MW-18	6/7/2016	5-25	26.35	9.41	0.00	0.00	16.94	**2,500**	--	**68 J*****	--	**4.0**	<0.50	**2.0**	**2.0**	**10**	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**5.0 J**	
MW-18	9/21/2016	5-25	26.35	12.00	0.00	0.00	14.35	**1,500**	--	**63 J*****	--	**2.0**	**0.90 J**	**5.0**	**9.0**	**8.0**	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**14**	
MW-18	12/30/2016	5-25	26.35	11.11	0.00	0.00	15.24	**1,000**	--	**79 J*****	--	**1.0**	**0.60 J**	**5.0**	**7.0**	**5.0**	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**11**	
MW-18	2/15/2017	5-25	26.35	8.69	0.00	0.00	17.66	**710**	--	<46***	--	<0.50	<0.50	**1.0**	**2.0**	**1.0**	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**6.0**	
MW-18	5/12/2017	5-25	26.35	9.60	0.00	0.00	16.75	**630**	--	**54 J*****	--	<0.50	<0.50	**1.0**	**2.0**	**1.0**	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**6.0**	
MW-18	9/19/2017	5-25	26.35	10.76	0.00	0.00	15.59	**890**	--	<45***	--	**1.0**	<0.50	**1.0**	**2.0**	**2.0**	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**7.0**	
MW-18	11/30/2017	5-25	26.35	11.10	0.00	0.00	15.25	**760**	--	<46***	--	<0.50	**0.50 J**	**0.80 J**	**0.80 J**	**12**	--	**23**	--	<0.50	<0.50	<0.50	<0.50	<50	**4.0 J**	
MW-18	2/8/2018	5-25	26.35	10.80	0.00	0.00	15.55	**460**	--	**230*****	--	<0.28	<0.47	<0.28	<0.46	**9.5**	--	**27**	--	<0.48	<0.67	<0.87	<0.44	<100	<5.0	

Well ID	Sample Date	Screen Interval (ft bTOC)	TOC (ft)	DTW (ft bTOC)	PSH thickness (ft)	PSH recovered (gal)	GW Elev (ft)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-d w/SGC (µg/L)	TPH-Jet A (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8260B) (µg/L)	MTBE (8021) (µg/L)	TBA (µg/L)	EDB (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Naphthalene	Comments
MW-18	6/1/2018	5-25	26.35	10.41	0.00	0.00	15.94	**560**	**--**	**420*** **	**430**	**0.75**	**0.33 J**	**0.51 J**	**0.69 JA**	**8.1**	**--**	**30**	**--**	<0.24	<0.33	<0.44	<0.22	<50	<5.0	
MW-18	8/24/2018	5-25	26.35	11.95	0.00	0.00	14.40	**730**	**--**	**400*** **	**530**	**1.1**	**0.49 J**	**0.80 J**	<0.27	**7.4**	**--**	**22**	**--**	<0.32	<0.27	<0.27	<0.25	<54	<5.1	
MW-18	12/20/2018	5-25	26.35	10.60	0.00	0.00	15.75	**290**	**49 J**	**180**	**300**	**0.77 J**	**0.23 J**	**0.84 J**	**1.1 JA**	<0.16	**--**	<3.1	<0.27	<0.19	<0.16	<0.12	<0.13	<53	**5.7 J**	
MW-18	2/4/2019	5-25	26.35	4.71	0.00	0.00	21.64	**53**	<45	<45	<45	<1.0	<1.0	<1.0	<1.0	<1.0		<10	<1.0	<0.50	<2.0	<2.0	<2.0	<100	<10	
MW-18D	2/19/2009	30-40	26.38	8.50	0.00	0.00	17.88	**4,000**	**810**	**--**	**--**	**200**	**13**	**51**	**63**	**340**	**--**	**220**	**--**	**--**	<0.50	<0.50	<0.50	**--**	**--**	
MW-18D	5/8/2009	30-40	26.38	10.55	0.00	0.00	15.83	**800**	**520**	**--**	**--**	**4.0**	**0.60 J**	**2.0**	**3.0**	**33**	**--**	**180**	**--**	**--**	<0.50	<0.50	<0.50	**--**	**--**	
MW-18D	8/18/2009	30-40	26.38	11.31	0.00	0.00	15.07	**540**	**450**	**--**	**--**	**8.0**	**2.0**	**7.0**	**6.0**	**24**	**--**	**150**	**--**	**--**	<0.50	<0.50	<0.50	**--**	**--**	
MW-18D	11/17/2009	30-40	26.38	11.69	0.00	0.00	14.69	**1,900**	**910**	**--**	**--**	**77**	**18**	**57**	**49**	**39**	**--**	**200**	**--**	**--**	<0.50	<0.50	<0.50	**--**	**--**	
MW-18D	2/15/2010	30-40	26.38	8.88	0.00	0.00	17.50	**2,500**	**670**	**--**	**--**	**190**	**7.0**	**6.0**	**11**	**200**	**--**	**150**	**--**	<0.50	<5.0	<5.0	<5.0	**--**	**10**	
MW-18D	5/11/2010	30-40	26.38	10.17	0.00	0.00	16.21	**560**	**590**	**--**	**--**	**12**	**3.0 J**	**10**	**8.0**	**24**	**--**	**150**	**--**	<0.50	<0.50	<0.50	<0.50	<50	**2.0 J**	
MW-18D	8/11/2010	30-40	26.38	10.58	0.00	0.00	15.80	**650**	**670**	**--**	**--**	**22**	**3.0 J**	**13**	**9.0**	**25**	**--**	**140**	**--**	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-18D	11/2/2010	30-40	26.38	10.89	0.00	0.00	15.49	**630**	**670**	**--**	**--**	**32**	**8.0**	**22**	**19**	**24**	**--**	**130**	**--**	<0.50	<0.50	<0.50	<0.50	<50	**3.0 J**	
MW-18D	2/16/2011	30-40	26.38	8.79	0.00	0.00	17.59	**1,100**	**680**	**--**	**--**	**75**	**11**	**44**	**29**	**46**	**--**	**130**	**--**	<0.50	<0.50	<0.50	<0.50	<50	**5.0 J**	
MW-18D	5/17/2011	30-40	26.38	8.24	0.00	0.00	18.14	**590**	**570**	**--**	**--**	**2.0 J**	**0.70 J**	**0.90 J**	<0.50	**26**	**--**	**84**	**--**	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-18D	8/9/2011	30-40	26.38	9.11	0.00	0.00	17.27	**1,100**	**450**	**--**	**--**	**32**	**14**	**29**	**27**	**24**	**--**	**100**	**--**	<0.50	<0.50	<0.50	<0.50	<50	**4.0 J**	
MW-18D	11/17/2011	30-40	26.38	9.12	0.00	0.00	17.26	**410**	**--**	<33	**--**	<0.50	<0.50	<0.50	<0.50	**14**	**--**	**91**	**--**	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-18D	2/16/2012	30-40	26.38	9.43	0.00	0.00	16.95	**880**	**590**	**51 J**	**--**	**23**	**10**	**31**	**23**	**17**	**--**	**80**	**--**	<0.50	<0.50	<0.50	<0.50	<50	**4.0 J**	
MW-18D	5/15/2012	30-40	26.38	9.35	0.00	0.00	17.03	**480**	**460**	<50	**--**	**1.0 J**	<0.50	**1.0 J**	<0.50	**11**	**--**	**62 J**	**--**	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-18D	8/16/2012	30-40	26.38	9.89	0.00	0.00	16.49	**680**	**540**	<50	**--**	**19**	**8.0**	**23**	**16**	**14**	**--**	**73 J**	**--**	<0.50	<0.50	<0.50	<0.50	<50	**3.0 J**	
MW-18D	11/15/2012	30-40	26.38	10.40	0.00	0.00	15.98	**990**	**760**	**330**	**--**	**37**	**7.9**	**24**	**18**	**17**	**--**	**77**	**--**	<0.24	<0.33	<0.44	<0.22	<50	**4.7 J**	
MW-18D	2/21/2013	30-40	26.38	9.73	0.00	0.00	16.65	**850**	**980**	<50	**--**	**19**	**7.0**	**27**	**16**	**16**	**--**	**63 J**	**--**	<0.50	<0.50	<0.50	<0.50	<50	**3.0 J**	
MW-18D	5/3/2013	30-40	26.38	10.00	0.00	0.00	16.38	**700**	**--**	<47	**--**	**10**	**4.0 J**	**14**	**8.0**	**13**	**--**	**58 J**	**--**	<0.50	<0.50	<0.50	<0.50	<50	**2.0 J**	
MW-18D	8/6/2013	30-40	26.38	10.57	0.00	0.00	15.81	**480**	**--**	<48	**--**	**10**	**3.0 J**	**15**	**7.0**	**13**	**--**	**60 J**	**--**	<0.50	<0.50	<0.50	<0.50	<50	**2.0 J**	
MW-18D	11/6/2013	30-40	26.38	11.20	0.00	0.00	15.18	**600**	**--**	<48	**--**	**14**	**2.0 J**	**18**	**5.0**	**11**	**--**	**53 J**	**--**	<0.50	<0.50	<0.50	<0.50	<50	**3.0 J**	
MW-18D	2/25/2014	30-40	26.38	10.99	0.00	0.00	15.39	**460**	**--**	<49	**--**	**15**	**5.0**	**18**	**12**	**12**	**--**	**50 J**	**--**	<0.50	<0.50	<0.50	<0.50	<50	**3.0 J**	
MW-18D	6/9/2014	30-40	26.38	10.70	0.00	0.00	15.68	**500**	**--**	<49	**--**	**13**	**2.0**	**16**	**5.0**	**10**	**--**	**43**	**--**	<0.50	<0.50	<0.50	<0.50	<50	**3.0 J**	
MW-18D	9/15/2014	30-40	26.38	11.36	0.00	0.00	15.02	**460**	**--**	**73 J**	**--**	**4.0**	<0.50	**5.0**	**1.0**	**10**	**--**	**43**	**--**	<0.50	<0.50	<0.50	<0.50	<50	**2.0 J**	
MW-18D	12/5/2014	30-40	26.38	10.79	0.00	0.00	15.59	**170**	**--**	**61 J**	**--**	**1.0**	<0.50	<0.50	<0.50	**9.0**	**--**	**39**	**--**	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-18D	2/26/2015	30-40	26.38	10.77	0.00	0.00	15.61	**470**	**--**	**51 J**	**--**	**15**	**1.0**	**14**	**4.0**	**12**	**--**	**42**	**--**	<0.50	<0.50	<0.50	<0.50	<50	**3.0 J**	
MW-18D	6/16/2015	30-40	26.38	10.86	0.00	0.00	15.52	**510**	**--**	<42**	**--**	**12**	**2.0**	**13**	**6.0**	**10**	**--**	**34**	**--**	<0.50	<0.50	<0.50	<0.50	<50	**3.0 J**	
MW-18D	9/3/2015	30-40	26.38	11.88	0.00	0.00	14.50	**600**	**--**	<42**	**--**	**17**	**2.0**	**14**	**7.0**	**11**	**--**	**44**	**--**	<0.50	<0.50	<0.50	<0.50	<50	**3.0 J**	
MW-18D	11/30/2015	30-40	26.38	11.91	0.00	0.00	14.47	**82**	**--**	<45**	**--**	<0.50	<0.50	<0.50	<0.50	**7.0**	**--**	**15 J**	**--**	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-18D	3/10/2016	30-40	26.38	11.23	0.00	0.00	15.15	**240**	**200****	--	**--**	<0.50	<0.50	<0.50	<0.50	**4.0**	**--**	**38**	**--**	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-18D	6/7/2016	30-40	26.38	9.97	0.00	0.00	16.41	**200**	**--**	<50***	**--**	<0.50	<0.50	<0.50	<0.50	**3.0**	**--**	**40**	**--**	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-18D	9/21/2016	30-40	26.38	12.18	0.00	0.00	14.20	**280**	**--**	<50***	**--**	<0.50	<0.50	<0.50	<0.50	**4.0**	**--**	**23**	**--**	<0.50	<0.50	<0.50	<0.50	<50	**1.0 J**	
MW-18D	12/30/2016	30-40	26.38	11.67	0.00	0.00	14.71	**250**	**--**	<45***	**--**	<0.50	<0.50	<0.50	<0.50	**4.0**	**--**	**19 J**	**--**	<0.50	<0.50	<0.50	<0.50	<50	**2.0 J**	
MW-18D	2/15/2017	30-40	26.38	9.46	0.00	0.00	16.92	**270**	**--**	<45***	**--**	**7.0**	<0.50	<0.50	<0.50	**11**	**--**	**16 J**	**--**	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-18D	5/12/2017	30-40	26.38	10.11	0.00	0.00	16.27	**220**	**--**	<46***	**--**	<0.50	<0.50	<0.50	<0.50	**7.0**	**--**	**15 J**	**--**	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-18D	9/19/2017	30-40	26.38	10.94	0.00	0.00	15.44	**200**	**--**	<45***	**--**	<0.50	<0.50	<0.50	<0.50	**3.0**	**--**	**23**	**--**	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-18D	11/30/2017	30-40	26.38	11.36	0.00	0.00	15.02	**220**	**--**	<46***	**--**	<0.50	<0.50	<0.50	<0.50	**5.0**	**--**	**25**	**--**	**1.0 J**	**2.0**	<0.50	<0.50	<50	<1.0	
MW-18D	2/8/2018	30-40	26.38	10.91	0.00	0.00	15.47	**130**	**--**	**42 J*** **	**--**	<0.28	<0.47	<0.28	<0.46	**2.5**	**--**	**11 J**	**--**	**3.8**	**23**	<0.87	<0.44	<100	<5.0	
MW-18D	6/1/2018	30-40	26.38	10.52	0.00	0.00	15.86	**160**	**--**	**200*** **	**190**	<0.14	<0.24	<0.14	<0.23	**2.5**	**--**	**32**	**--**	<0.24	**1.0 J**	<0.44	<0.22	<50	<5.0	
MW-18D	8/24/2018	30-40	26.38	11.05	0.00	0.00	15.33	**140**	**--**	**140*** **	**260**	<0.30	<0.29	<0.26	<0.27	**2.5**	**--**	**23**	**--**	**0.38 J**	**2.4**	<0.27	<0.25	<54	<5.1	
MW-18D	12/20/2018	30-40	26.38	10.83	0.00	0.00	15.55	**89**	**89**	**38 J**	**200**	**0.17 J**	<0.13	<0.14	<0.15	**2.1**	**--**	**16**	<0.27	<0.19	<0.16	<0.12	<0.13	<53	<5.1	
MW-18D	2/4/2019	30-40	26.38	7.63	0.00	0.00	18.75	**95**	**83**	<50	**170**	<1.0	<1.0	<1.0	<1.0	**3.6**	**--**	**14**	<1.0	<0.50	<2.0	<2.0	<2.0	<100	<10	
MW-19	2/19/2009	9-25	27.04	11.31	0.00	0.00	15.73	**23,000**	**5,600**	**--**	**--**	**4,400**	**980**	**340**	**1,300**	**1,300**	**--**	**17,000**	**--**	**--**	<3.0	<3.0	<3.0	**--**	**--**	
MW-19	5/8/2009	9-25	27.04	11.96	0.00	0.00	15.08	**45,000**	**8,700**	**--**	**--**	**10,000**	**2,200**	**950**	**3,400**	**4,800**	**--**	**19,000**	**--**	**--**	<10	<10	<10	**--**	**--**	
MW-19	8/18/2009	9-25	27.04	12.77	0.00	0.00	14.27	**43,000**	**6,400**	**--**	**--**	**10,000**	**2,400**	**880**	**3,100**	**2,600**	**--**	**28,000**	**--**	**--**	<5.0	<5.0	<5.0	**--**	**--**	
MW-19	11/16/2009	9-25	27.04	13.22	0.00	0.00	13.82	**36,000**	**7,300**	**--**	**--**	**9,500**	**1,000**	**700**	**1,700**	**2,700**	**--**	**34,000**	**--**	**--**	<10	<10	<10	**--**	**--**	
MW-19	2/16/2010	9-25	27.04	10.95	0.00	0.00	16.09	**38,000**	**7,600**	**--**	**--**	**11,000**	**790**	**670**	**1,260**	**1,200**	**--**	**58,000**	**--**	<5.0	<5.0	<5.0	<5.0	**--**	**450**	
MW-19	5/11/2010	9-25	27.04	11.78	0.00	0.00	15.26	**32,000**	**7,500**	**--**	**--**	**8,300**	**870**	**810**	**1,570**	**1,100**	**--**	**39,000**	**--**	<10	<10	<10	<10	<1,000	**460**	
MW-19	8/11/2010	9-25	27.04	12.18	0.00	0.00	14.86	**35,000**	**5,700**	**--**	**--**	**7,800**	**610**	**880**	**1,060**	**1,100**	**--**	**32,000**	**--**	<5.0	<5.0	<5.0	<5.0	<500	**490**	
MW-19	11/2/2010	9-25	27.04	12.50	0.00	0.00	14.54	**37,000**	**2,500**	**--**	**--**	**8,100**	**390**	**830**	**700**	**1,400**	**--**	**42,000**	**--**	<3.0	<3.0	<3.0	<3.0	<250	**430**	
MW-19	2/16/2011	9-25	27.04	10.56	0.00	0.00	16.48	**25,000**	**5,800**	**--**	**--**	**5,300**	**390**	**620**	**770**	**900**	**--**	**30,000**	**--**	<3.0	<3.0	<3.0	<3.0	<250	**390**	
MW-19	5/18/2011	9-25	27.04	10.56	0.00	0.00	16.48	**19,000**	**5,900**	**--**	**--**	**5,700**	**290**	**520**	**640**	**760**	**--**	**26,000**	**--**	<5.0	<5.0	<5.0	<5.0	<500	**360**	
MW-19	8/9/2011	9-25	27.04	11.05	0.00	0.00	15.99	**35,000**	**5,400**	**--**	**--**	**8,000**	**350**	**770**	**820**	**890**	**--**	**31,000**	**--**	<5.0	<5.0	<5.0	<5.0	<500	**440**	
MW-19	11/17/2011	9-25	27.04	11.45	0.00	0.00	15.59	**26,000**	**--**	**650**	**--**	**5,400**	**87**	**330**	**126**	**820**	**--**	**36,000**	**--**	<5.0	<5.0	<5.0	<5.0	<500	**390**	
MW-19	2/17/2012	9-25	27.04	11.40	0.00	0.00	15.64	**35,000**	**6,000**	**780**	**--**	**8,100**	**320**	**720**	**703**	**890**	**--**	**27,000**	**--**	<5.0	<5.0	<5.0	<5.0	<500	**460**	
MW-19	5/16/2012	9-25	27.04	11.50	0.00	0.00	15.54	**47,000**	**6,800**	**1,100**	**--**	**8,500**	**280**	**770**	**716**	**970**	**--**	**26,000**	**--**	<5.0	<5.0	<5.0	<5.0	<500	**560**	
MW-19	8/16/2012	9-25	27.04	11.88	0.00	0.00	15.16	**27,000**	**7,900**	**1,200**	**--**	**6,900**	**130**	**450**	**238**	**720**	**--**	**35,000**	**--**	<10	<10	<10	<10	<1,000	**340**	
MW-19	11/16/2012	9-25	27.04	12.25	0.00	0.00	14.79	**33,000**	**21,000**	**5,200**	**--**	**6,400**	**140**	**500**	**509**	**680**	**--**	**32,000**	**--**	<12	<17	<22	<11	<2,500	**450 J**	
MW-19	2/22/2013	9-25	27.04	11.83	0.00	0.00	15.21	**33,000**	**11,000**	**970**	**--**	**8,400**	**170**	**530**	**266**	**1,000**	**--**	**33,000**	**--**	<3.0	<3.0	<3.0	<3.0	<250	**480**	
MW-19	5/3/2013	9-25	27.04	11.82	0.00	0.00	15.22	**29,000**	**--**	**1,700**	**--**	**7,800**	**210**	**640**	**341**	**890**	**--**	**21,000**	**--**	<3.0	<3.0	<3.0	<3.0	<250	**500**	
MW-19	8/6/2013	9-25	27.04	12.11	0.00	0.00	14.93	**34,000**	**--**	**1,100**	**--**	**8,200**	**180**	**730**	**300**	**850**	**--**	**30,000**	**--**	<5.0	<5.0	<5.0	<5.0	<500	**490**	
MW-19	11/8/2013	9-25	27.04	12.76	0.00	0.00	14.28	**43,000**	**--**	**2,400**	**--**	**11,000**	**270**	**940**	**460**	**720**	**--**	**18,000**	**--**	<10	<10	<10	<10	<1,000	**560**	
MW-19	2/25/2014	9-25	27.04	12.52	0.00	0.00	14.52	**35,000**	**--**	**1,200**	**--**	**9,900**	**150**	**480**	**223**	**620**	**--**	**25,000**	**--**	<10	<10	<10	<10	<1,000	**460**	
MW-19	6/9/2014	9-25	27.04	12.13	0.00	0.00	14.91	**41,000**	**--**	**1,600**	**--**	**12,000**	**290**	**920**	**449**	**770**	**--**	**12,000**	**--**	<5.0	<5.0	<5.0	<5.0	<500	**540**	
MW-19	9/16/2014	9-25	27.04	12.76	0.00	0.00	14.28	**31,000**	**--**	**1,100**	**--**	**10,000**	**170**	**590**	**230**	**540**	**--**	**25,000**	**--**	<5.0	<5.0	<5.0	<5.0	<500	**460**	
MW-19	12/5/2014	9-25	27.04	12.94	0.00	0.00	14.10	**40,000**	**--**	**1,400**	**--**	**13,000**	**250**	**970**	**330**	**730**	**--**	**20,000**	**--**	<5.0	<5.0	<5.0	<5.0	<500	**500**	
MW-19	2/27/2015	9-25	27.04	12.43	0.00	0.00	14.61	**42,000**	**--**	**2,500**	**--**	**12,000**	**250**	**1,100**	**350**	**780**	**--**	**15,000**	**--**	<3.0	<3.0	<3.0	<3.0	<250	**730**	
MW-19	6/17/2015	9-25	27.04	12.37	0.00	0.00	14.67	**42,000**	**--**	**1,200****	**--**	**11,000**	**210**	**760**	**250**	**630**	**--**	**12,000**	**--**	<5.0	<5.0	<5.0	<5.0	<500	**560**	
MW-19	9/3/2015	9-25	27.04	12.94	0.00	0.00	14.10	**57,000**	**--**	**890****	**--**	**13,000**	**230**	**900**	**270**	**710**	**--**	**15,000**	**--**	<5.0	<5.0	<5.0	<5.0	<500	**520**	
MW-19	12/1/2015	9-25	27.04	13.35	0.00	0.00	13.69	**42,000**	**--**	**780****	**--**	**12,000**	**200**	**810**	**200**	**640**	**--**	**17,000**	**--**	<5.0	<5.0	<5.0	<5.0	<500	**560**	
MW-19	3/11/2016	9-25	27.04	12.53	0.00	0.00	14.51	**28,000**	**2,300****	**--**	**--**	**11,000**	**170**	**530**	**130**	**630**	**--**	**9,900**	**--**	<10	<10	<10	<10	<1,000	**330**	
MW-19	6/6/2016	9-25	27.04	12.05	0.00	0.00	14.99	**24,000**	**--**	**240*** **	**--**	**7,700**	**130**	**450**	**120**	**470**	**--**	**15,000**	**--**	<10	<10	<10	<10	<1,000	**260**	
MW-19	9/21/2016	9-25	27.04	13.64	0.00	0.00	13.40	**18,000**	**--**	**480*** **	**--**	**4,600**	**46**	**110**	**60**	**210**	**--**	**22,000**	**--**	<5.0	<5.0	<5.0	<5.0	<500	**360**	
MW-19	12/29/2016	9-25	27.04	14.18	0.00	0.00	12.86	**24,000**	**--**	**430*** **	**--**	**7,100**	**100**	**410**	**92**	**430**	**--**	**18,000**	**--**	<5.0	<5.0	<5.0	<5.0	<500	**370**	
MW-19	2/15/2017	9-25	27.04	12.14	0.00	0.00	14.90	**11,000**	**--**	**250*** **	**--**	**2,500**	**42**	**180**	**38**	**220**	**--**	**15,000**	**--**	<1.0	<1.0	<1.0	<1.0	<100	**310**	
MW-19	5/12/2017	9-25	27.04	12.19	0.00	0.00	14.85	**19,000**	**--**	**440*** **	**--**	**2,800**	**43**	**230**	**43**	**270**	**--**	**28,000**	**--**	<3.0	<3.0	<3.0	<3.0	<250	**520**	
MW-19	9/20/2017	9-25	27.04	13.05	0.00	0.00	13.99	**21,000**	**--**	**260*** **	**--**	**4,700**	**92**	**500**	**59**	**330**	**--**	**30,000**	**--**	<3.0	<3.0	<3.0	<3.0	<250	**520**	
MW-19	11/30/2017	9-25	27.04	13.22	0.00	0.00	13.82	**28,000**	**--**	**200*** **	**--**	**7,900**	**130**	**630**	**70**	**540**	**--**	**21,000**	**--**	<3.0	<3.0	<3.0	<3.0	<250	**400**	
MW-19	2/8/2018	9-25	27.04	12.91	0.00	0.00	14.13	**20,000**	**--**	**2,000*** **	**--**	**6,400**	**160**	**860**	**66**	**730**	**--**	**10,000**	**--**	<2.4	<3.3	<4.4	<2.2	<500	**550**	
MW-19	6/1/2018	9-25	27.04	12.63	0.00	0.00	14.41	**16,000**	**--**	**1,500*** **	**4,500**	**5,400**	**100**	**470**	**67 JA**	**530**	**--**	**13,000**	**--**	<12	<17	<22	<11	<2,500	**350 J**	
MW-19	8/24/2018	9-25	27.04	13.00	0.00	0.00	14.04	**25,000**	**--**	**3,800*** **	**3,700**	**10,000**	**180**	**930**	**80 JA**	**980**	**--**	**9,100**	**--**	<8.0	<6.8	<6.7	<6.3	<1,300	**460**	
MW-19	12/21/2018	9-25	27.04	12.95	0.00	0.00	14.09	**30,000**	**250**	**3,000**	**8,700**	**14,000**	**210**	**1,100**	**83 JA**	**1,200**	**--**	**6,600**	<6.7	<4.7	<3.9	<3.0	<3.2	<1,300	**550**	
MW-19	2/4/2019	9-25	27.04	11.41	0.00	0.00	15.63	**43,000**	**410**	**220**	**850**	**12,000**	**210**	**960**	**77 JA**	**1,100**		**6,400**	<100	<50	<200	<200	<200	<10,000	**590 J**	
MW-20	2/16/2010	10-25	27.27	11.50	0.00	0.00	15.77	**130,000**	**5,500**	**--**	**--**	**14,000**	**26,000**	**2,500**	**12,800**	<25	**--**	**1,100 J**	**--**	<25	<25	<25	<25	**--**	**500**	
MW-20	5/11/2010	10-25	27.27	11.96	0.00	0.00	15.31	**85,000**	**7,400**	**--**	**--**	**11,000**	**18,000**	**1,900**	**9,600**	<13	**--**	**1,300 J**	**--**	<13	<13	<13	<13	<1,300	**400**	
MW-20	8/11/2010	10-25	27.27	12.48	0.00	0.00	14.79	**74,000**	**6,000**	**--**	**--**	**9,400**	**14,000**	**1,800**	**7,300**	<10	**--**	**820 J**	**--**	<10	<10	<10	<10	<1,000	**290**	
MW-20	11/2/2010	10-25	27.27	12.62	0.00	0.00	14.65	**82,000**	**6,400**	**--**	**--**	**8,900**	**12,000**	**1,600**	**5,900**	<5.0	**--**	**810**	**--**	<5.0	<5.0	<5.0	<5.0	<500	**300**	
MW-20	2/16/2011	10-25	27.27	10.94	0.00	0.00	16.33	**61,000**	**5,600**	**--**	**--**	**7,700**	**11,000**	**1,700**	**5,100**	<10	**--**	**660 J**	**--**	<10	<10	<10	<10	<1,000	**310**	
MW-20	5/18/2011	10-25	27.27	10.59	0.00	0.00	16.68	**48,000**	**5,600**	**--**	**--**	**6,900**	**7,600**	**1,500**	**4,200**	<3.0	**--**	**580**	**--**	<3.0	<3.0	<3.0	<3.0	<250	**310**	
MW-20	8/9/2011	10-25	27.27	10.97	0.00	0.00	16.30	**59,000**	**5,600**	**--**	**--**	**7,800**	**9,300**	**1,700**	**4,400**	<5.0	**--**	**530 J**	**--**	<5.0	<5.0	<5.0	<5.0	<500	**260**	

Well ID	Sample Date	Screen Interval (ft bTOC)	TOC (ft)	DTW (ft bTOC)	PSH thickness (ft)	PSH recovered (gal)	GW Elev (ft)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-d w/SGC (µg/L)	TPH-Jet A (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8260B) (µg/L)	MTBE (8021) (µg/L)	TBA (µg/L)	EDB (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Naphthalene	Comments
MW-20	11/17/2011	10-25	27.27	11.32	0.00	0.00	15.95	**41,000**	--	**310**	--	**5,400**	**5,400**	**1,400**	**3,100**	<5.0	--	**420 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**230**	
MW-20	2/17/2012	10-25	27.27	11.17	0.00	0.00	16.10	**54,000**	**5,700**	**370**	--	**6,200**	**7,400**	**1,500**	**4,100**	<5.0	--	**590 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**280**	
MW-20	5/16/2012	10-25	27.27	11.16	0.00	0.00	16.11	**62,000**	**5,700**	**420**	--	**6,000**	**6,200**	**1,600**	**4,800**	<5.0	--	**660 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**310**	
MW-20	8/16/2012	10-25	27.27	11.58	0.00	0.00	15.69	**37,000**	**6,400**	**340**	--	**5,100**	**4,900**	**1,300**	**3,200**	<5.0	--	**460 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**200**	
MW-20	11/16/2012	10-25	27.27	12.00	0.00	0.00	15.27	**37,000**	**18,000**	**7,900**	--	**4,700**	**4,200**	**1,200**	**3,100**	<1.5	--	**380**	--	<1.2	<1.7	<2.2	<1.1	<250	**250**	
MW-20	2/22/2013	10-25	27.27	11.49	0.00	0.00	15.78	**47,000**	**8,800**	**370**	--	**5,900**	**5,200**	**1,200**	**3,100**	<3.0	--	**400**	--	<3.0	<3.0	<3.0	<3.0	<250	**250**	
MW-20	5/3/2013	10-25	27.27	11.60	0.00	0.00	15.67	**31,000**	--	**470**	--	**4,200**	**2,500**	**1,000**	**2,700**	<3.0	--	**570**	--	<3.0	<3.0	<3.0	<3.0	<250	**230**	
MW-20	8/6/2013	10-25	27.27	12.64	0.00	0.00	14.63	**34,000**	--	**780**	--	**4,800**	**2,400**	**1,300**	**3,100**	<5.0	--	**460 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**260**	
MW-20	11/8/2013	10-25	27.27	12.71	0.00	0.00	14.56	**48,000**	--	**970**	--	**5,500**	**4,000**	**1,400**	**3,600**	<3.0	--	**630**	--	<3.0	<3.0	<3.0	<3.0	<250	**320**	
MW-20	2/26/2014	10-25	27.27	12.50	0.00	0.00	14.77	**43,000**	--	**450**	--	**6,400**	**3,800**	**1,600**	**3,860**	<5.0	--	**620 J**	--	<5.0	<5.0	<5.0	<5.0	<500	**340**	
MW-20	6/9/2014	10-25	27.27	12.39	0.01	0.00	14.89	**43,000**	--	**540**	--	**6,200**	**3,200**	**1,500**	**3,370**	<5.0	--	**560**	--	<5.0	<5.0	<5.0	<5.0	<500	**320**	
MW-20	9/16/2014	10-25	27.27	12.76	0.00	0.00	14.51	**33,000**	--	**620**	--	**4,900**	**2,200**	**1,300**	**2,700**	<5.0	--	**380**	--	<5.0	<5.0	<5.0	<5.0	<500	**300**	
MW-20	12/5/2014	10-25	27.27	13.10	0.00	0.00	14.17	**35,000**	--	**700**	--	**5,300**	**2,200**	**1,500**	**3,100**	<3.0	--	**440**	--	<3.0	<3.0	<3.0	<3.0	<250	**290**	
MW-20	2/27/2015	10-25	27.27	12.66	0.00	0.00	14.61	**47,000**	--	**1,200**	--	**6,600**	**2,400**	**2,000**	**4,700**	<3.0	--	**630**	--	<3.0	<3.0	<3.0	<3.0	<250	**470**	
MW-20	6/16/2015	10-25	27.27	12.63	0.00	0.00	14.64	**56,000**	--	**650****	--	**7,600**	**2,400**	**1,900**	**4,200**	<5.0	--	**570**	--	<5.0	<5.0	<5.0	<5.0	<500	**440**	
MW-20	9/3/2015	10-25	27.27	12.49	0.00	0.00	14.78	**63,000**	--	**690****	--	**8,500**	**2,200**	**1,900**	**4,400**	<5.0	--	**840**	--	<5.0	<5.0	<5.0	<5.0	<500	**410**	
MW-20	12/1/2015	10-25	27.27	13.80	0.00	0.00	13.47	**52,000**	--	**830****	--	**8,000**	**1,500**	**2,000**	**4,500**	<10	--	**820**	--	<10	<10	<10	<10	<1,000	**470**	
MW-20	3/11/2016	10-25	27.27	13.03	0.00	0.00	14.24	**33,000**	**2,800****	--	--	**5,400**	**720**	**1,400**	**3,000**	<3.0	--	**610**	--	<3.0	<3.0	<3.0	<3.0	<250	**310**	
MW-20	6/6/2016	10-25	27.27	12.74	0.00	0.00	14.53	**48,000**	--	**380*****	--	**7,200**	**450**	**1,800**	**3,600**	<5.0	--	**800**	--	<5.0	<5.0	<5.0	<5.0	<500	**380**	
MW-20	9/21/2016	10-25	27.27	14.05	0.00	0.00	13.22	**40,000**	--	**420*****	--	**8,200**	**360**	**1,700**	**3,600**	<5.0	--	**800**	--	<5.0	<5.0	<5.0	<5.0	<500	**380**	
MW-20	12/29/2016	10-25	27.27	14.21	0.00	0.00	13.06	**35,000**	--	**560*****	--	**7,200**	**190**	**1,400**	**2,500**	<5.0	--	**730**	--	<5.0	<5.0	<5.0	<5.0	<500	**390**	
MW-20	2/15/2017	10-25	27.27	12.17	0.00	0.00	15.10	**42,000**	--	**320*****	--	**5,900**	**480**	**1,900**	**3,700**	<5.0	--	**790**	--	<5.0	<5.0	<5.0	<5.0	<500	**430**	
MW-20	5/11/2017	10-25	27.27	12.12	0.00	0.00	15.15	**22,000**	--	**370*****	--	**4,100**	**92**	**1,100**	**1,500**	<3.0	--	**430**	--	<3.0	<3.0	<3.0	<3.0	<250	**330**	
MW-20	9/19/2017	10-25	27.27	12.79	0.00	0.00	14.48	**22,000**	--	**290*****	--	**3,700**	**90**	**900**	**860**	<3.0	--	**170**	--	<3.0	<3.0	<3.0	<3.0	<250	**320**	
MW-20	11/30/2017	10-25	27.27	12.96	0.00	0.00	14.31	**23,000**	--	**340*****	--	**3,800**	**110**	**1,000**	**880**	<1.0	--	**110**	--	<1.0	<1.0	<1.0	<1.0	<100	**300**	
MW-20	2/8/2018	10-25	27.27	12.41	0.00	0.00	14.86	**21,000**	--	**190*****	--	**4,300**	**110**	**1,400**	**830**	<1.2	--	**220**	--	<0.96	<1.3	<1.7	<0.89	<200	**330**	
MW-20	6/1/2018	10-25	27.27	12.27	0.00	0.00	15.00	**7,500**	--	**1,500*****	**2,800**	**1,900**	**57**	**680**	**350 JA**	<3.1	--	**290**	--	<2.4	<3.3	<4.4	<2.2	<500	**220**	
MW-20	8/24/2018	10-25	27.27	12.78	0.00	0.00	14.49	**13,000**	--	**2,100*****	**3,800**	**2,600**	**79**	**1,000**	**410 JA**	<3.0	--	**210**	--	<3.2	<2.7	<2.7	<2.5	<540	**300**	
MW-20	12/21/2018	10-25	27.27	12.77	0.00	0.00	14.50	**16,000**	**440**	**2,600**	**4,500**	**3,500**	**110**	**1,400**	**430 JA**	<1.6	--	**350**	<2.7	<1.9	<1.6	<1.2	<1.3	<530	**380**	
MW-20	2/4/2019	10-25	27.27	11.58	0.00	0.00	15.69	**1,600**	**370**	**2,500**	**5,700**	**3,800**	**130**	**1,200**	**400 JA**	<25	--	**520**	<25	<12	<50	<50	<50	<2,500	**360**	
MW-21S	2/15/2010	10-25	27.18	12.79	0.00	0.00	14.39	**80**	**33 J**	--	--	**0.80 J**	**0.50 J**	<0.50	**0.90 J**	**1.0 J**	--	**210**	--	<0.50	<0.50	<0.50	<0.50	--	<1.0	
MW-21S	5/10/2010	10-25	27.18	13.46	0.00	0.00	13.72	**55**	<33	--	--	<0.50	<0.50	<0.50	<0.50	**0.60 J**	--	**720**	--	<0.50	**0.60 J**	<0.50	<0.50	<50	<1.0	
MW-21S	8/10/2010	10-25	27.18	13.45	0.00	0.00	13.73	**87**	<32	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**680**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21S	11/2/2010	10-25	27.18	13.55	0.00	0.00	13.63	**69**	<50	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**800**	--	<0.50	**0.50 J**	<0.50	<0.50	<50	<1.0	
MW-21S	2/16/2011	10-25	27.18	12.35	0.00	0.00	14.83	**93**	<50	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**1,000**	--	**0.50 J**	**0.80 J**	<0.50	<0.50	<50	<1.0	
MW-21S	5/18/2011	10-25	27.18	12.11	0.00	0.00	15.07	**120**	<50	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**880**	--	<0.50	**0.70 J**	<0.50	<0.50	<50	<1.0	
MW-21S	8/8/2011	10-25	27.18	13.86	0.00	0.00	13.32	**79**	<50	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**630**	--	<0.50	**0.70 J**	<0.50	<0.50	<50	<1.0	
MW-21S	11/16/2011	10-25	27.18	12.86	0.00	0.00	14.32	**62**	--	**65 J**	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**820**	--	<0.50	**0.50 J**	<0.50	<0.50	<50	<1.0	
MW-21S	2/16/2012	10-25	27.18	12.71	0.00	0.00	14.47	**61**	<50	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**540**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21S	2/16/2012	--	--	--	--	--	--	**62**	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**540**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	Duplicate
MW-21S	5/15/2012	10-25	27.18	13.10	0.00	0.00	14.08	**140**	<50	<50	--	<0.50	<0.50	<0.50	<0.50	**0.70 J**	--	**420**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21S	8/15/2012	10-25	27.18	13.29	0.00	0.00	13.89	**32 J**	<50	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**240**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21S	11/14/2012	10-25	27.18	13.39	0.00	0.00	13.79	**56**	**160**	**55**	--	<0.14	<0.24	<0.14	<0.24	<0.31	--	**96**	--	<0.24	<0.33	<0.44	<0.22	<50	<2.5	
MW-21S	11/14/2012	10-25	--	--	--	--	--	**180**	--	--	--	<0.14	<0.24	<0.14	<0.24	<0.31	--	**100**	--	<0.24	<0.33	<0.44	<0.22	<50	<2.5	Duplicate
MW-21S	2/20/2013	10-25	27.18	13.01	0.00	0.00	14.17	<22	<50	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**110**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21S	5/3/2013	10-25	27.18	13.00	0.00	0.00	14.18	**30 J**	--	<48	--	<0.50	<0.50	<0.50	<0.50	**0.60 J**	--	**84**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21S	8/6/2013	10-25	27.18	13.15	0.00	0.00	14.03	**24 J**	--	<54	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**65 J**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21S	11/8/2013	10-25	27.18	13.59	0.00	0.00	13.59	**35 J**	--	<49	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**49 J**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21S	2/25/2014	10-25	27.18	13.51	0.00	0.00	13.67	**24 J**	--	<47	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**43 J**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21S	6/9/2014	10-25	27.18	13.27	0.00	0.00	13.91	<22	--	<48	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**32**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21S	9/16/2014	10-25	27.18	13.66	0.00	0.00	13.52	**34 J**	--	<51	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**120**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21S	12/5/2014	10-25	27.18	13.73	0.00	0.00	13.45	**46 J**	--	<58	--	<0.50	**0.80 J**	<0.50	**1.0**	<0.50	--	**120**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21S	2/26/2015	10-25	27.18	13.50	0.00	0.00	13.68	**26 J**	--	**100 J**	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**210**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21S	6/16/2015	10-25	27.18	13.27	0.00	0.00	13.91	**45 J**	--	<42**	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**300**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21S	9/3/2015	10-25	27.18	13.90	0.00	0.00	13.28	**60**	--	<42**	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**530**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21S	12/1/2015	10-25	27.18	13.90	0.00	0.00	13.28	**74**	--	<45**	--	**0.70 J**	<0.50	<0.50	<0.50	**0.80 J**	--	**700**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21S	3/11/2016	10-25	27.18	13.31	0.00	0.00	13.87	**140**	<45**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**1,200**	--	<0.50	**0.80 J**	<0.50	<0.50	<50	<1.0	
MW-21S	6/6/2016	10-25	27.18	12.08	0.00	0.00	15.10	**99**	--	<50***	--	<0.50	<0.50	<0.50	<0.50	**0.70 J**	--	**1,500**	--	**0.50 J**	**1.0**	<0.50	<0.50	<50	<1.0	
MW-21S	9/21/2016	10-25	27.18	15.31	0.00	0.00	11.87	**320**	--	<50***	--	<0.50	<0.50	<0.50	<0.50	**0.50 J**	--	**2,500**	--	<0.50	**1.0**	<0.50	<0.50	<50	<1.0	
MW-21S	12/30/2016	10-25	27.18	15.55	0.00	0.00	11.63	**210**	--	<45***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**1,400**	--	<0.50	**0.60 J**	<0.50	<0.50	<50	<1.0	
MW-21S	2/16/2017	10-25	27.18	14.51	0.00	0.00	12.67	**250**	--	<45***	--	<0.50	<0.50	<0.50	<0.50	**0.60 J**	--	**690**	--	<0.50	**0.70 J**	<0.50	<0.50	<50	<1.0	
MW-21S	5/11/2017	10-25	27.18	14.70	0.00	0.00	12.48	**45 J**	--	<46***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**190**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21S	9/20/2017	10-25	27.18	14.65	0.00	0.00	12.53	**390**	--	<46***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**15 J**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21S	11/30/2017	10-25	27.18	14.47	0.00	0.00	12.71	**270**	--	<45***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**7.0 J**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21S	2/8/2018	10-25	27.18	14.14	0.00	0.00	13.04	**320**	--	**98*****	--	<0.14	<0.24	<0.14	<0.23	**0.58 J**	--	**5.5 J**	--	<0.24	<0.33	<0.44	<0.22	<50	<2.5	
MW-21S	6/1/2018	10-25	27.18	13.75	0.00	0.00	13.43	**78**	--	**110*****	<41	<0.14	<0.24	<0.14	<0.23	**0.57 J**	--	<4.6	--	<0.24	**0.52 J**	<0.44	<0.22	<50	<5.0	
MW-21S	8/23/2018	10-25	27.18	14.18	0.00	0.00	13.00	**180**	--	**76*****	**46**	<0.30	<0.29	<0.26	<0.27	<0.30	--	<3.3	--	<0.32	<0.27	<0.27	<0.25	<54	<5.1	
MW-21S	12/21/2018	10-25	27.18	13.95	0.00	0.00	13.23	**230**	<16	**35 J**	**60**	**0.14 J**	<0.13	<0.14	<0.15	<0.16	--	<3.1	<0.27	<0.19	**0.18 J**	<0.12	<0.13	<53	<5.1	
MW-21S	2/4/2019	10-25	27.18	13.05	0.00	0.00	14.13	**170**	<50	**36 J**	**71**	<1.0	<1.0	<1.0	<1.0	**0.79 J**	--	**12**	<1.0	<0.50	**0.36 J**	<2.0	<2.0	<100	<10	
MW-21D	2/15/2010	35-40	27.12	11.18	0.00	0.00	15.94	**82**	**36 J**	--	--	**2.0 J**	**0.90 J**	**3.0 J**	**3.6 J**	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	--	**5.0**	
MW-21D	5/10/2010	35-40	27.12	12.10	0.00	0.00	15.02	<22	<33	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21D	8/10/2010	35-40	27.12	12.12	0.00	0.00	15.00	<22	<32	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21D	11/2/2010	35-40	27.12	12.18	0.00	0.00	14.94	<22	<50	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21D	2/16/2011	35-40	27.12	11.15	0.00	0.00	15.97	<22	<50	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**6.0 J**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21D	5/18/2011	35-40	27.12	11.19	0.00	0.00	15.93	<22	**74 J**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21D	8/8/2011	35-40	27.12	12.30	0.00	0.00	14.82	<22	<50	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21D	11/16/2011	35-40	27.12	11.19	0.00	0.00	15.93	<22	--	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21D	2/16/2012	35-40	27.12	11.46	0.00	0.00	15.66	<22	<50	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21D	5/15/2012	35-40	27.12	11.59	0.00	0.00	15.53	<22	<50	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21D	8/15/2012	35-40	27.12	11.66	0.00	0.00	15.46	<22	<50	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21D	11/14/2012	35-40	27.12	11.75	0.00	0.00	15.37	**40 J**	**48 J**	<47	--	<0.14	<0.24	<0.14	<0.24	<0.31	--	<4.6	--	<0.24	<0.33	<0.44	<0.22	<50	<2.5	
MW-21D	2/20/2013	35-40	27.12	11.87	0.00	0.00	15.25	<22	<50	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21D	5/3/2013	35-40	27.12	11.62	0.00	0.00	15.50	<22	--	<47	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21D	8/6/2013	35-40	27.12	12.32	0.00	0.00	14.80	<22	--	<50	--	**0.50 J**	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21D	11/8/2013	35-40	27.12	12.52	0.00	0.00	14.60	<22	--	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21D	2/25/2014	35-40	27.12	12.46	0.00	0.00	14.66	<22	--	<49	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21D	6/9/2014	35-40	27.12	12.31	0.00	0.00	14.81	<22	--	<48	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21D	9/16/2014	35-40	27.12	13.02	0.00	0.00	14.10	<22	--	<52	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21D	12/5/2014	35-40	27.12	13.27	0.00	0.00	13.85	<22	--	<64	--	<0.50	**0.60 J**	<0.50	**1.0 J**	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21D	2/26/2015	35-40	27.12	12.88	0.00	0.00	14.24	<22	--	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21D	6/16/2015	35-40	27.12	12.59	0.00	0.00	14.53	<22	--	<42**	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21D	9/3/2015	35-40	27.12	13.05	0.00	0.00	14.07	<22	--	<42**	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**19 J**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21D	12/1/2015	35-40	27.12	13.40	0.00	0.00	13.72	<22	--	<45**	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21D	3/11/2016	35-40	27.12	12.74	0.00	0.00	14.38	**64**	<45**	--	--	**10**	**2.0**	**3.0**	**5.0**	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	

Well ID	Sample Date	Screen Interval (ft bTOC)	TOC (ft)	DTW (ft bTOC)	PSH thickness (ft)	PSH recovered (gal)	GW Elev (ft)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-d w/SGC (µg/L)	TPH-Jet A (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8260B) (µg/L)	MTBE (8021) (µg/L)	TBA (µg/L)	EDB (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Naphthalene	Comments
MW-21D	6/6/2016	35-40	27.12	11.72	0.00	0.00	15.40	<22	--	<50***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21D	9/21/2016	35-40	27.12	13.96	0.00	0.00	13.16	**96**	--	<50***	--	**6.0**	**0.80 J**	**7.0**	**15**	**4.0**	--	**10 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**2.0 J**	
MW-21D	12/30/2016	35-40	27.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	No Access
MW-21D	2/16/2017	35-40	27.12	12.89	0.00	0.00	14.23	<22	--	<45***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21D	5/11/2017	35-40	27.12	12.22	0.00	0.00	14.90	<22	--	<46***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21D	9/20/2017	35-40	27.12	12.50	0.00	0.00	14.62	<22	--	<46***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-21D	11/30/2017	35-40	27.12	12.62	0.00	0.00	14.50	<22	--	<46***	--	**0.60 J**	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**3.0 J**	
MW-21D	2/8/2018	35-40	27.12	12.54	0.00	0.00	14.58	<31	--	**70*** **	--	<0.14	<0.24	<0.14	<0.23	<0.31	--	<4.6	--	<0.24	<0.33	<0.44	<0.22	<50	<2.5	
MW-21D	6/1/2018	35-40	27.12	12.17	0.00	0.00	14.95	<48	--	**21 J*** **	<42	<0.14	<0.24	<0.14	<0.23	<0.31	--	<4.6	--	<0.24	<0.33	<0.44	<0.22	<50	<5.0	
MW-21D	8/23/2018	35-40	27.12	12.70	0.00	0.00	14.42	<48	--	**21 J*** **	<39	<0.30	<0.29	<0.26	<0.27	<0.30	--	<3.3	--	<0.32	<0.27	<0.27	<0.25	<54	<5.1	
MW-21D	12/21/2018	35-40	27.12	12.73	0.00	0.00	14.39	<48	<16	<16	<43	<0.14	<0.13	<0.14	<0.15	<0.16	--	<3.1	<0.27	<0.19	<0.16	<0.12	<0.13	<53	<5.1	
MW-21D	2/4/2019	35-40	27.12	11.73	0.00	0.00	15.39	<50	<48	<48	<48	<1.0	<1.0	<1.0	<1.0	<1.0	--	**220**	<1.0	<0.50	<2.0	<2.0	<2.0	**78 J**	<10	
MW-22	9/3/2011	10-25	26.83	11.03	0.00	0.00	15.80	<48	**75**	--	--	**0.16 J**	<0.24	<0.14	<0.24	<0.31	--	**4.7 J**	--	<0.24	<0.33	<0.44	<0.22	<50	<2.5	
MW-22	11/17/2011	10-25	26.83	11.20	0.00	0.00	15.63	<22	--	<33	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**5.0 J**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-22	2/16/2012	10-25	26.83	11.00	0.00	0.00	15.83	<22	<50	<50/<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**7.0 J**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-22	2/16/2012	10-25	--	--	--	--	--	**26 J**	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**7.0 J**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	Duplicate
MW-22	5/16/2012	10-25	26.83	11.01	0.00	0.00	15.82	<22	**57 J**	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-22	8/15/2012	10-25	26.83	11.41	0.00	0.00	15.42	<22	**67 J**	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-22	11/15/2012	10-25	26.83	11.85	0.00	0.00	14.98	**32 J**	**51**	<47	--	<0.14	<0.24	<0.14	<0.24	<0.31	--	<4.6	--	**0.44 J**	<0.33	<0.44	<0.22	<50	<2.5	
MW-22	2/21/2013	10-25	26.83	11.52	0.00	0.00	15.31	<22	**230**	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-22	5/3/2013	10-25	26.83	11.40	0.00	0.00	15.43	**26 J**	--	<48	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-22	8/6/2013	10-25	26.83	11.72	0.00	0.00	15.11	<22	--	<48	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-22	11/8/2013	10-25	26.83	12.68	0.00	0.00	14.15	<22	--	<48	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-22	2/26/2014	10-25	26.83	12.10	0.00	0.00	14.73	**23 J**	--	<48	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	**0.80 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-22	6/9/2014	10-25	26.83	12.13	0.00	0.00	14.70	**28 J**	--	<48	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	**2.0**	<0.50	<0.50	<0.50	<50	<1.0	
MW-22	9/16/2014	10-25	26.83	12.52	0.00	0.00	14.31	<22	--	<51	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**8 J**	--	**1.0**	<0.50	<0.50	<0.50	<50	<1.0	
MW-22	12/5/2014	10-25	26.83	12.94	0.00	0.00	13.89	<22	--	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	**0.60 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-22	2/27/2015	10-25	26.83	12.42	0.00	0.00	14.41	<22	--	<48	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-22	6/17/2015	10-25	26.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Car Parked Over Well
MW-22	9/3/2015	10-25	26.83	13.24	0.00	0.00	13.59	**43 J**	--	**63 J****	--	**2.0**	<0.50	<0.50	<0.50	<0.50	--	**21**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-22	12/1/2015	10-25	26.83	13.34	0.00	0.00	13.49	<22	--	<45**	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**11 J**	--	**0.90 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-22	3/11/2016	10-25	26.83	12.61	0.00	0.00	14.22	**29 J**	<45**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**19 J**	--	**2.0**	<0.50	<0.50	<0.50	<50	<1.0	
MW-22	6/7/2016	10-25	26.83	12.34	0.00	0.00	14.49	**36 J**	--	<50***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**23**	--	**2.0**	<0.50	<0.50	<0.50	<50	<1.0	
MW-22	9/21/2016	10-25	26.83	13.64	0.00	0.00	13.19	**25 J**	--	<50***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**27**	--	**1.0**	<0.50	<0.50	<0.50	<50	<1.0	
MW-22	12/29/2016	10-25	26.83	13.95	0.00	0.00	12.88	<22	--	<47***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	**0.90 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-22	2/15/2017	10-25	26.83	12.12	0.00	0.00	14.71	<22	--	<46***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	**0.90 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-22	5/12/2017	10-25	26.83	12.00	0.00	0.00	14.83	<22	--	<45***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	**0.50 J**	<0.50	<0.50	<0.50	<50	<1.0	
MW-22	9/20/2017	10-25	26.83	12.56	0.00	0.00	14.27	<22	--	<46***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-22	11/30/2017	10-25	26.83	12.65	0.00	0.00	14.18	<22	--	<45***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
MW-22	2/8/2018	10-25	26.83	12.36	0.00	0.00	14.47	<31	--	**69*** **	--	<0.14	<0.24	<0.14	<0.23	<0.31	--	<4.6	--	<0.24	<0.33	<0.44	<0.22	<50	<2.5	
MW-22	6/1/2018	10-25	26.83	12.12	0.00	0.00	14.71	<48	--	**16 J*** **	<41	<0.14	<0.24	<0.14	<0.23	<0.31	--	<4.6	--	<0.24	<0.33	<0.44	<0.22	<50	<5.0	
MW-22	8/22/2018	10-25	26.83	12.66	0.00	0.00	14.17	<48	--	<15***	<41	<0.30	<0.29	<0.26	<0.27	<0.30	--	<3.3	--	<0.32	<0.27	<0.27	<0.25	<54	<5.1	
MW-22	12/21/2018	10-25	26.83	12.55	0.00	0.00	14.28	<48	<16	<16	<43	<0.14	<0.13	<0.14	<0.15	<0.16	--	<3.1	<0.27	<0.19	<0.16	<0.12	<0.13	<53	<5.1	
MW-22	2/5/2019	10-25	26.83	11.48	0.00	0.00	15.35	<50	<50	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0	--	**3.5 J**	<1.0	**0.19 J**	<2.0	<2.0	<2.0	<100	<10	
RMC-1	9/15/1992	10-35	--	--	--	--	--	**1,300**	--	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	
RMC-1	1/29/1993	10-35	--	--	--	--	--	**3,000**	--	--	--	**9.5**	**2.0**	**7.6**	**8.6**	--	--	--	--	--	--	--	--	--	--	
RMC-1	4/14/1993	10-35	25.94	12.95	0.00	0.00	12.99	**2,900**	--	--	--	**9.1**	ND	ND	**11**	--	--	--	--	--	--	--	--	--	--	
RMC-1	6/14/1994	10-35	25.94	12.89	0.00	0.00	13.05	**2,100**	--	--	--	**29**	**1.3**	ND	**2.4**	--	--	--	--	--	--	--	--	--	--	
RMC-1	8/11/1994	10-35	25.94	13.30	0.00	0.00	12.64	**2,400**	--	--	--	**19**	**1.1**	**6.6**	**11**	--	--	--	--	--	--	--	--	--	--	
RMC-1	11/1/1994	10-35	25.94	14.16	0.00	0.00	11.78	**2,400**	--	--	--	**11**	**1.8**	**1.5**	**5.7**	--	--	--	--	--	--	--	--	--	--	
RMC-1	5/29/1996	10-35	25.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RMC-1	8/6/1996	10-35	25.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to Locate
RMC-1	11/26/1996	10-35	25.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to Locate
RMC-1	2/6/1997	10-35	25.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RMC-1	5/19/1997	10-35	25.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Abandoned
RMC-2	9/15/1992	10-35	--	--	--	--	--	ND	--	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	
RMC-2	1/29/1993	10-35	--	--	--	--	--	ND	--	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	
RMC-2	4/14/1993	10-35	24.74	10.81	0.00	0.00	13.93	ND	--	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	
RMC-2	6/14/1994	10-35	24.74	10.44	0.00	0.00	14.3	**140**	--	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	
RMC-2	8/11/1994	10-35	24.74	11.17	0.00	0.00	13.57	**160**	--	--	--	ND	ND	**0.30**	**0.90**	--	--	--	--	--	--	--	--	--	--	
RMC-2	11/1/1994	10-35	24.74	12.11	0.00	0.00	12.63	ND	--	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	
RMC-2	3/31/1995	10-35	24.74	8.38	0.00	0.00	16.36	**140**	--	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	
RMC-2	6/27/1995	10-35	24.74	9.25	0.00	0.00	15.49	**150**	--	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	
RMC-2	9/22/1995	10-35	23.37	9.76	0.00	0.00	13.61	**110**	--	--	--	**0.60**	**1.0**	ND	ND	--	--	--	--	--	--	--	--	--	--	Resurveyed
RMC-2	12/7/1995	10-35	--	--	--	--	--	ND	--	--	--	ND	ND	**0.70**	ND	--	--	--	--	--	--	--	--	--	--	Pre-Purge
RMC-2	12/7/1995	10-35	23.37	11.94	0.00	0.00	11.43	ND	--	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	
RMC-2	3/19/1996	10-35	23.37	9.34	0.00	0.00	14.03	**150**	--	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	
RMC-2	5/29/1996	10-35	23.37	9.94	0.00	0.00	13.43	**130**	--	--	--	ND	ND	ND	ND	--	ND	--	--	--	--	--	--	--	--	
RMC-2	8/6/1996	10-35	23.37	10.45	0.00	0.00	12.92	**360**	--	--	--	ND	ND	**1.2**	**5.0**	--	ND	--	--	--	--	--	--	--	--	
RMC-2	11/26/1996	10-35	23.37	9.67	0.00	0.00	13.70	**310**	--	--	--	ND	ND	ND	ND	--	**6.0**	--	--	--	--	--	--	--	--	
RMC-2	2/6/1997	10-35	23.37	8.10	0.00	0.00	15.27	ND	--	--	--	ND	ND	ND	ND	--	**14**	--	--	--	--	--	--	--	--	
RMC-2	5/19/1997	10-35	23.37	9.51	0.00	0.00	13.86	**130**	--	--	--	ND	ND	ND	**1.7**	--	ND	--	--	--	--	--	--	--	--	
RMC-2	8/7/1997	10-35	23.37	10.20	0.00	0.00	13.17	ND	--	--	--	ND	ND	ND	ND	--	ND	--	--	--	--	--	--	--	--	
RMC-2	1/12/1998	10-35	23.37	9.35	0.00	0.00	14.02	**120**	--	--	--	**0.42**	**0.30**	ND	**0.64**	--	ND	--	--	--	--	--	--	--	--	
RMC-2	4/7/1998	10-35	23.37	6.75	0.00	0.00	16.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Monitored Only
RMC-2	7/6/1998	10-35	23.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Abandoned
RMC-3	9/15/1992	10-35	--	--	--	--	--	ND	--	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	
RMC-3	1/29/1993	10-35	--	--	--	--	--	ND	--	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	
RMC-3	4/14/1993	10-35	26.02	12.45	0.00	0.00	13.57	ND	--	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	
RMC-3	6/14/1994	10-35	26.02	12.35	0.00	0.00	13.67	ND	--	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	
RMC-3	8/11/1994	10-35	26.02	12.81	0.00	0.00	13.21	ND	--	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	
RMC-3	11/1/1994	10-35	26.02	13.65	0.00	0.00	12.37	ND	--	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	
RMC-3	3/31/1995	10-35	26.02	10.32	0.00	0.00	15.70	ND	--	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	
RMC-3	6/27/1995	10-35	26.02	11.14	0.00	0.00	14.88	ND	--	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	
RMC-3	9/22/1995	10-35	24.69	12.06	0.00	0.00	12.63	ND	--	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	Resurveyed
RMC-3	12/7/1995	10-35	24.69	12.75	0.00	0.00	11.94	ND	--	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	
RMC-3	3/19/1996	10-35	24.69	11.80	0.00	0.00	12.89	ND	--	--	--	ND	ND	ND	**1.0**	--	--	--	--	--	--	--	--	--	--	
RMC-3	5/29/1996	10-35	24.69	11.90	0.00	0.00	12.79	ND	--	--	--	ND	ND	ND	ND	--	ND	--	--	--	--	--	--	--	--	
RMC-3	8/6/1996	10-35	24.69	12.18	0.00	0.00	12.51	ND	--	--	--	ND	ND	ND	ND	--	ND	--	--	--	--	--	--	--	--	
RMC-3	11/26/1996	10-35	24.69	12.17	0.00	0.00	12.52	ND	--	--	--	ND	ND	ND	ND	--	**15**	--	--	--	--	--	--	--	--	
RMC-3	2/6/1997	10-35	24.69	10.34	0.00	0.00	14.35	ND	--	--	--	ND	ND	ND	ND	--	**22**	--	--	--	--	--	--	--	--	
RMC-3	5/19/1997	10-35	24.69	11.58	0.00	0.00	13.11	ND	--	--	--	ND	ND	ND	ND	--	ND	--	--	--	--	--	--	--	--	

Well ID	Sample Date	Screen Interval (ft bTOC)	TOC (ft)	DTW (ft bTOC)	PSH thickness (ft)	PSH recovered (gal)	GW Elev (ft)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-d w/SGC (µg/L)	TPH-Jet A (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8260B) (µg/L)	MTBE (8021) (µg/L)	TBA (µg/L)	EDB (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Naphthalene	Comments
RMC-3	8/7/1997	10-35	24.69	12.02	0.00	0.00	12.67	**66**	--	--	--	ND	ND	ND	ND	--	ND	--	--	--	--	--	--	--	--	
RMC-3	1/12/1998	10-35	24.69	11.88	0.00	0.00	12.81	ND	--	--	--	**1.2**	**1.1**	**0.44**	**1.0**	--	ND	--	--	--	--	--	--	--	--	
RMC-3	4/7/1998	10-35	24.69	9.89	0.00	0.00	14.80	ND	--	--	--	ND	ND	ND	ND	--	ND	--	--	--	--	--	--	--	--	
RMC-3	7/6/1998	10-35	24.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Abandoned
RMC-4	4/14/1993	5-25	26.08	12.07	0.00	0.00	14.01	**127,000**	--	--	--	**10,700**	**10,100**	**3,090**	**12,800**	--	--	--	--	--	--	--	--	--	--	
RMC-4	6/27/1995	5-25	26.08	11.14	0.00	0.00	14.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RMC-4	5/29/1996	5-25	26.08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RMC-4	8/6/1996	5-25	26.08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Abandoned
RMC-5	4/14/1993	5-25	25.24	11.24	0.00	0.00	14.00	**5,700**	--	--	--	**27**	**1.4**	**23**	**60**	--	--	--	--	--	--	--	--	--	--	
RMC-5	6/14/1994	5-25	25.24	11.38	0.00	0.00	13.86	**3,500**	--	--	--	**200**	**2.2**	**9.7**	**28**	--	--	--	--	--	--	--	--	--	--	
RMC-5	8/11/1994	5-25	25.24	11.93	0.00	0.00	13.31	**4,900**	--	--	--	**200**	**3.3**	**12**	**24**	--	--	--	--	--	--	--	--	--	--	
RMC-5	11/1/1994	5-25	25.24	12.88	0.00	0.00	12.36	**4,800**	--	--	--	**200**	ND	**10**	**19**	--	--	--	--	--	--	--	--	--	--	
RMC-5	3/31/1995	5-25	25.24	9.21	0.00	0.00	16.03	**4,000**	--	--	--	**230**	**3.2**	**12**	**33**	--	--	--	--	--	--	--	--	--	--	
RMC-5	6/27/1995	5-25	25.24	9.92	0.00	0.00	15.32	**3,900**	--	--	--	**190**	**3.1**	**10**	**12**	--	--	--	--	--	--	--	--	--	--	
RMC-5	9/22/1995	5-25	23.89	10.82	0.00	0.00	13.07	**3,400**	--	--	--	**110**	**2.3**	**7.7**	**11**	--	--	--	--	--	--	--	--	--	--	Resurveyed
RMC-5	12/7/1995	5-25	--	--	--	--	--	**5,600**	--	--	--	**220**	**0.80**	**8.4**	**8.8**	--	--	--	--	--	--	--	--	--	--	Pre-Purge
RMC-5	12/7/1995	5-25	23.89	11.71	0.00	0.00	12.18	**4,100**	--	--	--	**90**	**0.80**	**6.8**	**17**	--	--	--	--	--	--	--	--	--	--	
RMC-5	3/19/1996	5-25	23.89	10.01	0.00	0.00	13.88	**3,800**	--	--	--	**170**	**1.8**	**6.6**	**24**	--	--	--	--	--	--	--	--	--	--	
RMC-5	5/29/1996	5-25	23.89	10.64	0.00	0.00	13.25	**4,200**	--	--	--	**220**	**2.3**	**9.4**	**17**	--	**6.7**	--	--	--	--	--	--	--	--	
RMC-5	8/6/1996	5-25	23.89	11.25	0.00	0.00	12.64	**2,800**	--	--	--	**84**	**1.1**	**6.5**	**15**	--	ND	--	--	--	--	--	--	--	--	
RMC-5	11/26/1996	5-25	23.89	10.80	0.00	0.00	13.09	**5,100**	--	--	--	**190**	**1.6**	**10**	**30**	--	**25**	--	--	--	--	--	--	--	--	
RMC-5	2/6/1997	5-25	23.89	8.95	0.00	0.00	14.94	**4,300**	--	--	--	**190**	**5.4**	**11**	**13**	--	**20**	--	--	--	--	--	--	--	--	
RMC-5	5/19/1997	5-25	23.89	10.62	0.00	0.00	13.27	**4,300**	--	--	--	**210**	ND	**15**	**45**	--	ND	--	--	--	--	--	--	--	--	
RMC-5	8/7/1997	5-25	23.89	11.13	0.00	0.00	12.76	**3,200**	--	--	--	**170**	ND	**10**	**4.7**	--	**6.4**	--	--	--	--	--	--	--	--	
RMC-5	11/17/1997	5-25	23.89	11.82	0.00	0.00	12.07	**3,500**	--	--	--	**63**	ND	**14**	**5.8**	--	ND	--	--	--	--	--	--	--	--	
RMC-5	1/12/1998	5-25	23.89	10.50	0.00	0.00	13.39	**2,700**	--	--	--	**6.2**	**1.6**	**8.6**	**29**	--	ND	--	--	--	--	--	--	--	--	
RMC-5	4/7/1998	5-25	23.89	7.74	0.00	0.00	16.15	**4,100**	--	--	--	**210**	**3.2**	**12**	**21**	--	**19**	--	--	--	--	--	--	--	--	
RMC-5	7/6/1998	5-25	23.89	9.04	0.00	0.00	14.85	**2,200**	--	--	--	**190**	**0.70**	**16**	**27**	--	**7.5**	--	--	--	--	--	--	--	--	
RMC-5	11/13/1998	5-25	23.89	10.50	0.00	0.00	13.39	**170**	--	--	--	**67**	ND	**0.36**	**0.80**	--	ND	--	--	--	--	--	--	--	--	
RMC-5	1/11/1999	5-25	23.89	10.64	0.00	0.00	13.25	**3,400**	--	--	--	**78**	**0.81**	**16**	**25**	--	ND	--	--	--	--	--	--	--	--	
RMC-5	6/7/1999	5-25	23.89	10.00	0.00	0.00	13.89	**3,100**	--	--	--	**110**	**0.56**	**14**	**22**	--	ND	--	--	--	--	--	--	--	--	
RMC-5	7/14/1999	5-25	23.89	10.37	0.00	0.00	13.52	**2,900**	--	--	--	**77**	**1.4**	**15**	**25**	--	**9.6**	--	--	--	--	--	--	--	--	
RMC-5	10/20/1999	5-25	23.89	11.54	0.00	0.00	12.35	**3,500**	--	--	--	**38**	**4.9**	**15**	**25**	--	ND	--	--	--	--	--	--	--	--	
RMC-5	1/5/2000	5-25	23.89	11.65	0.00	0.00	12.24	**2,500**	--	--	--	**41**	**1.2**	**12**	**21**	--	<5.0	--	--	--	--	--	--	--	--	
RMC-5	5/12/2000	5-25	23.89	11.15	0.00	0.00	12.74	**2,800**	--	--	--	**41**	**3.8**	**18**	**51**	--	<5.0	--	--	--	--	--	--	--	--	
RMC-5	8/3/2000	5-25	23.89	12.12	0.00	0.00	11.77	**3,000**	--	--	--	**17**	**6.1**	**16**	**34**	--	<5.0	--	--	--	--	--	--	--	--	
RMC-5	11/2/2000	5-25	23.89	10.99	0.00	0.00	12.90	**2,300**	--	--	--	**21**	<0.30	**12**	**40**	--	<5.0	--	--	--	--	--	--	--	--	
RMC-5	3/2/2001	5-25	23.89	7.49	0.00	0.00	16.40	**3,900**	--	--	--	**160**	<0.50	**7.4**	**10**	<0.50	--	<50	--	--	**1.4**	<1.0	<1.0	--	--	
RMC-5	5/29/2001	5-25	23.89	10.25	0.00	0.00	13.64	**3,300**	--	--	--	**41**	**0.87**	**5.8**	**5.5**	**0.55**	--	<50	--	--	<1.0	<1.0	<1.0	--	--	
RMC-5	8/2/2001	5-25	23.89	10.67	0.00	0.00	13.22	**1,800**	--	--	--	**17**	**0.61**	<0.50	**2.3**	**0.79**	--	<50	--	--	**1.1**	<1.0	<1.0	--	--	
RMC-5	11/9/2001	5-25	23.89	12.63	0.00	0.00	11.26	**1,600**	--	--	--	**3.0**	**0.97**	**2.7**	**2.4**	**0.53**	--	<50	--	--	**1.2**	<1.0	<1.0	--	--	
RMC-5	2/9/2002	5-25	23.88	12.90	0.00	0.00	10.98	**2,000**	--	--	--	**4.4**	**1.5**	**2.9**	**3.2**	<0.50	--	<50	--	--	**2.8**	<1.0	<1.0	--	--	
RMC-5	5/10/2002	5-25	23.88	12.53	0.00	0.00	11.35	**1,100**	--	--	--	**3.5**	**0.91**	**2.1**	**2.1**	<0.50	--	<50	--	--	**2.6**	<1.0	<1.0	--	--	
RMC-5	8/1/2002	5-25	23.88	12.84	0.00	0.00	11.04	**550**	--	--	--	**3.5**	**0.71**	**0.91**	**1.4**	<0.50	--	<50	--	--	**2.9**	<1.0	<1.0	--	--	
RMC-5	11/7/2002	5-25	23.88	12.76	0.00	0.00	11.12	**1,500**	--	--	--	**3.9**	**1.6**	**2.2**	**3.1**	<0.50	--	<50	--	--	**4.5**	<2.0	<2.0	--	--	
RMC-5	1/17/2003	5-25	23.88	10.95	0.00	0.00	12.93	**1,200**	--	--	--	**9.2**	**1.2**	**3.9**	**4.6**	<0.50	--	<50	--	--	**2.1**	<1.0	<1.0	--	--	
RMC-5	5/9/2003	5-25	23.88	9.60	0.00	0.00	14.28	**2,500**	--	--	--	**16**	<2.0	**3.8**	<4.0	<5.0	--	<50	--	--	<5.0	<5.0	<5.0	--	--	
RMC-5	7/16/2003	5-25	23.88	11.32	0.00	0.00	12.56	**1,800**	--	--	--	**5.2**	<2.0	**2.4**	<4.0	<5.0	--	<50	--	--	<5.0	<5.0	<5.0	--	--	
RMC-5	11/24/2003	5-25	23.88	11.15	0.00	0.00	12.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RMC-5	3/11/2004	5-25	23.88	11.20	0.00	0.00	12.68	**1,600**	--	--	--	**9.8**	<2.0	**4.0**	**4.0**	<5.0	--	<50	--	--	<5.0	<5.0	<5.0	--	--	
RMC-5	6/2/2004	5-25	23.88	11.20	0.00	0.00	12.68	**1,400**	--	--	--	**4.0**	<2.0	<2.0	<4.0	<5.0	--	<50	--	--	<5.0	<5.0	<5.0	--	--	
RMC-5	9/14/2004	5-25	23.88	11.69	0.00	0.00	12.19	**2,700**	--	--	--	**36**	**33**	**14**	**43**	**0.65 J**	--	**36 J**	--	--	**2.0**	<5.0	<5.0	--	--	
RMC-5	12/1/2004	5-25	23.88	12.88	0.00	0.00	11.00	**1,700**	--	--	--	**6.0**	<2.0	**2.5**	**2.3 J**	<5.0	--	**14 J**	--	--	**0.41 J**	<5.0	<5.0	--	--	
RMC-5	2/16/2005	5-25	23.88	7.94	0.00	0.00	15.94	**1,200**	--	--	--	**51**	**16**	**26**	**32**	**1.6 J**	--	**25 J**	--	--	**32**	<0.28	<0.33	--	--	
RMC-5	8/25/2005	5-25	23.88	8.91	0.00	0.00	14.97	**2,200**	--	--	--	**11**	**0.84 J**	**5.1**	**4.4**	**0.55 J**	--	**44 J**	--	--	**0.62 J**	<0.28	<0.33	--	--	
RMC-5	11/15/2005	5-25	23.88	9.41	0.00	0.00	14.47	**3,000**	--	--	--	**12**	**0.73J**	**4.5**	**4.5**	**0.55 J**	--	**29 J**	--	--	**0.69 J**	<0.28	<0.33	--	--	
RMC-5	2/21/2006	5-25	26.27	9.71	0.00	0.00	16.56	**1,800**	--	--	--	**15**	**5.3**	**3.9**	**8.8**	**0.61 J**	--	**0.61 J**	--	--	**0.35 J**	<0.28	<0.33	--	--	
RMC-5	5/16/2006	5-25	26.27	8.75	0.00	0.00	17.52	**1,600**	--	--	--	**44**	**18**	**11**	**24**	**2.1 J**	--	**19 J**	--	--	<0.25	<0.28	<0.33	--	--	
RMC-5	8/15/2006	5-25	26.27	9.39	0.00	0.00	16.88	**1,900**	--	--	--	**6.3**	<0.36	**2.3**	**1.4J**	<0.32	--	**9.9 J**	--	--	<0.25	<0.28	<0.33	--	--	
RMC-5	11/21/2006	5-25	26.27	11.29	0.00	0.00	14.98	**2,800**	--	--	--	**5.0**	<0.50	**3.0 J**	**2.0 J**	<0.50	--	**19 J**	--	--	<0.50	<0.50	<0.50	--	--	
RMC-5	2/13/2007	5-25	26.27	10.30	0.00	0.00	15.97	**1,600**	--	--	--	**6.0**	<0.50	**2.0**	**3.0**	<0.50	--	**17**	--	--	<0.50	<0.50	<0.50	--	--	
RMC-5	5/22/2007	5-25	26.27	10.16	0.00	0.00	16.11	**2,700**	**1,600**	--	--	**7.0**	<0.50	**3.0**	**3.0**	<0.50	--	**18**	--	--	<0.50	<0.50	<0.50	--	--	
RMC-5	8/9/2007	5-25	26.27	10.49	0.00	0.00	15.78	**2,000**	**1,700**	--	--	**4.0**	<0.50	**2.0**	**1.0**	<0.50	--	**15**	--	--	<0.50	<0.50	<0.50	--	--	
RMC-5	11/9/2007	5-25	26.27	10.68	0.00	0.00	15.59	**5,100**	**2,300**	--	--	**13**	**0.70 J**	**5.0**	**5.0**	<0.50	--	**17**	--	--	<0.50	<0.50	<0.50	--	--	
RMC-5	2/8/2008	5-25	26.27	8.81	0.00	0.00	17.46	**330**	**790**	--	--	**1.0**	<0.50	<0.50	**0.90 J**	<0.50	--	**6.0**	--	--	<0.50	<0.50	<0.50	--	--	
RMC-5	5/5/2008	5-25	26.27	9.98	0.00	0.00	16.29	**2,200**	**1,600**	--	--	**7.0**	<0.50	**3.0**	**2.0**	<0.50	--	**13**	--	--	<0.50	<0.50	<0.50	--	--	
RMC-5	8/14/2008	5-25	26.27	10.79	0.00	0.00	15.48	**2,700**	**1,700**	--	--	**10**	<0.50	**4.0**	**4.0**	<0.50	--	**12**	--	--	<0.50	<0.50	<0.50	--	--	
RMC-5	11/3/2008	5-25	26.27	11.16	0.00	0.00	15.11	**3,400**	**1,800**	--	--	**12**	**0.60 J**	**4.0**	**4.0**	<0.50	--	**13**	--	--	<0.50	<0.50	<0.50	--	--	
RMC-5	11/3/2008	5-25	--	--	--	--	--	**2,600**	**1,900**	--	--	**12**	**0.60 J**	**4.0**	**5.0**	<0.50	--	**14**	--	--	<0.50	<0.50	<0.50	--	--	Duplicate
RMC-5	2/19/2009	5-25	26.27	8.35	0.00	0.00	17.92	**4,000**	**1,800**	--	--	**11**	**0.50 J**	**4.0**	**5.0**	<0.50	--	**12**	--	--	<0.50	<0.50	<0.50	--	--	
RMC-5	5/8/2009	5-25	26.27	10.74	0.00	0.00	15.53	**3,200**	**2,200**	--	--	**10**	**0.50 J**	**4.0**	**4.0**	<0.50	--	**10**	--	--	<0.50	<0.50	<0.50	--	--	
RMC-5	8/18/2009	5-25	26.27	11.35	0.00	0.00	14.92	**3,600**	**1,200**	--	--	**6.0**	**0.50 J**	**2.0**	**3.0**	<0.50	--	**12**	--	--	<0.50	<0.50	<0.50	--	--	
RMC-5	11/17/2009	5-25	26.27	11.82	0.00	0.00	14.45	**3,400**	**1,600**	--	--	**5.0**	<0.50	**2.0**	**3.0**	<0.50	--	**11**	--	--	<0.50	<0.50	<0.50	--	--	
RMC-5	2/16/2010	5-25	26.27	8.69	0.00	0.00	17.58	**3,900**	**2,000**	--	--	**13**	**0.80 J**	**5.0**	**5.0**	<0.50	--	**9 J**	--	<0.50	<0.50	<0.50	<0.50	--	**180**	
RMC-5	5/11/2010	5-25	26.27	10.29	0.00	0.00	15.98	**3,200**	**1,500**	--	--	**11**	<0.50	**4.0**	**4.0**	<0.50	--	**9 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**150**	
RMC-5	8/10/2010	5-25	26.27	10.72	0.00	0.00	15.55	**3,300**	**1,500**	--	--	**9.0**	<0.50	**3.0 J**	**3.0 J**	<0.50	--	**10 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**97**	
RMC-5	11/2/2010	5-25	26.27	10.96	0.00	0.00	15.31	**3,100**	**1,200**	--	--	**8.0**	<0.50	**3.0 J**	**2.0 J**	<0.50	--	**10 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**46**	
RMC-5	2/16/2011	5-25	26.27	9.08	0.00	0.00	17.19	**3,300**	**1,700**	--	--	**9.0**	<0.50	**3.0 J**	**3.0 J**	<0.50	--	**7.0 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**120**	
RMC-5	2/16/2011	5-25	--	--	--	--	--	**2,800**	**1,500**	--	--	**9.0**	**0.50 J**	**3.0 J**	**4.0 J**	<0.50	--	**6.0 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**120**	Duplicate
RMC-5	5/17/2011	5-25	26.27	8.86	0.00	0.00	17.41	**3,400**	**1,600**	--	--	**9.0**	<0.50	**3.0 J**	**3.0 J**	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**110**	
RMC-5	8/8/2011	5-25	26.27	9.30	0.00	0.00	16.97	**4,100**	**1,400**	--	--	**13**	**0.60 J**	**5.0**	**4.0**	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**170**	
RMC-5	11/17/2011	5-25	26.27	9.86	0.00	0.00	16.41	**2,700**	--	**88 J**	--	**9.0**	**0.80 J**	**3.0 J**	**2.0 J**	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**67**	
RMC-5	2/15/2012	5-25	26.27	9.84	0.00	0.00	16.43	**4,000**	**1,100**	**170**	--	**9.0**	<0.50	**4.0 J**	**3.0 J**	<0.50	--	**6.0 J**	--	<0.50	<0.50	<0.50	<0.50	<50	**92**	
RMC-5	5/15/2012	5-25	26.27	9.81	0.00	0.00	16.46	**3,900**	**1,100**	**240**	--	**9.0**	<0.50	**3.0 J**	**2.0 J**	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**93**	
RMC-5	8/16/2012	5-25	26.27	10.35	0.00	0.00	15.92	**3,200**	**1,100**	**930**	--	**10**	<0.50	**3.0 J**	**3.0 J**	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**84**	
RMC-5	11/15/2012	5-25	26.27	10.28	0.00	0.00	15.99	**3,400**	**2,300**	**850**	--	**6.3**	<0.47	**2.5**	**2.1 J**	<0.62	--	<9.1	--	<0.48	<0.67	<0.87	<0.44	<100	**59**	
RMC-5	2/21/2013	5-25	26.27	10.20	0.00	0.00	16.07	**3,300**	**1,800**	**150**	--	**8.0**	<0.50	**3.0 J**	**3.0 J**	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**79**	
RMC-5	5/3/2013	5-25	26.27	10.30	0.00	0.00	15.97	**3,200**	--	**570**	--	**6.0**	<0.50	**2.0 J**	**2.0 J**	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**43**	
RMC-5	8/6/2013	5-25	26.27	10.86	0.00	0.00	15.41	**3,300**	--	**190**	--	**7.0**	<0.50	**3.0 J**	**3.0 J**	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**53**	
RMC-5	11/6/2013	5-25	26.27	11.49	0.00	0.00	14.78	**3,600**	--	**140**	--	**7.0**	<0.50	**2.0 J**	**2.0 J**	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**57**	
RMC-5	2/25/2014	5-25	26.27	11.21	0.00	0.00	15.06	**3,400**	--	**110**	--	**6.0**	**0.60 J**	**2.0 J**	**2.0 J**	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**31**	
RMC-5	6/9/2014	5-25	26.27	10.74	0.00	0.00	15.53	**2,800**	--	**110**	--	**6.0**	<0.50	**2.0**	**2.0**	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**37**	
RMC-5	9/15/2014	5-25	26.27	11.42	0.00	0.00	14.85	**2,500**	--	**170**	--	**5.0**	<0.50	**2.0**	**1.0**	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**28**	
RMC-5	12/5/2014	5-25	26.27	11.00	0.00	0.00	15.27	**2,600**	--	**160**	--	**7.0**	<0.50	**2.0**	**2.0**	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**57**	
RMC-5	2/26/2015	5-25	26.27	10.74	0.00	0.00	15.53	**2,400**	--	**200**	--	**6.0**	<0.50	**3.0**	**2.0**	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**71**	

Well ID	Sample Date	Screen Interval (ft bTOC)	TOC (ft)	DTW (ft bTOC)	PSH thickness (ft)	PSH recovered (gal)	GW Elev (ft)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-d w/SGC (µg/L)	TPH-Jet A (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8260B) (µg/L)	MTBE (8021) (µg/L)	TBA (µg/L)	EDB (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Naphthalene	Comments
RMC-5	6/16/2015	5-25	26.27	10.90	0.00	0.00	15.37	**3,400**	--	**71 J****	--	**6.0**	<0.50	**2.0**	**2.0**	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**50**	
RMC-5	9/3/2015	5-25	26.27	11.64	0.00	0.00	14.63	**3,400**	--	**72 J****	--	**6.0**	<0.50	**2.0**	**2.0**	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**37**	
RMC-5	11/30/2015	5-25	26.27	12.05	0.00	0.00	14.22	**3,100**	--	**110****	--	**6.0**	<0.50	**3.0**	**2.0**	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**65**	
RMC-5	3/10/2016	5-25	26.27	11.01	0.00	0.00	15.26	**1,500**	**450****	--	--	**2.0**	<0.50	**1.0**	**0.90 J**	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**4.0 J**	
RMC-5	6/7/2016	5-25	26.27	9.73	0.00	0.00	16.54	**1,900**	--	**63 J*****	--	**3.0**	<0.50	**1.0**	**0.80 J**	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**21**	
RMC-5	9/21/2016	5-25	26.27	12.29	0.00	0.00	13.98	**3,400**	--	**59 J*****	--	**8.0**	<0.50	**4.0**	**3.0**	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**170**	
RMC-5	12/30/2016	5-25	26.27	11.87	0.00	0.00	14.40	**1,300**	--	<46***	--	**5.0**	<0.50	**0.60 J**	**2.0**	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**98**	
RMC-5	2/15/2017	5-25	26.27	9.62	0.00	0.00	16.65	**2,800**	--	<45***	--	**9.0**	<0.50	**2.0**	**2.0**	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**160**	
RMC-5	5/12/2017	5-25	26.27	10.40	0.00	0.00	15.87	**2,000**	--	<46***	--	**4.0**	<0.50	**0.70 J**	**1.0**	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**49**	
RMC-5	9/19/2017	5-25	26.27	11.32	0.00	0.00	14.95	**3,000**	--	**48 J*****	--	**4.0**	<0.50	**2.0**	**2.0**	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**44**	
RMC-5	11/30/2017	5-25	26.27	11.83	0.00	0.00	14.44	**2,900**	--	**69 J*****	--	**4.0**	<0.50	**1.0**	**2.0**	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	**30**	
RMC-5	2/8/2018	5-25	26.27	11.30	0.00	0.00	14.97	**2,100**	--	**610*****	--	**3.0**	<1.2	**1.4 J**	<1.1	<1.5	--	<23	--	<1.2	<1.7	<2.2	<1.1	<250	**23 J**	
RMC-5	6/1/2018	5-25	26.27	10.81	0.00	0.00	15.46	**960**	--	**460*****	**820**	**1.5**	<0.24	**0.58 J**	**1.1**	<0.31	--	<4.6	--	<0.24	<0.33	<0.44	<0.22	<50	**20**	
RMC-5	8/24/2018	5-25	26.27	11.34	0.00	0.00	14.93	**1,700**	--	**540*****	**740**	**3.0**	<0.29	**0.92 J**	**1.3 JA**	<0.30	--	<3.3	--	<0.32	<0.27	<0.27	<0.25	<54	**23**	
RMC-5	12/20/2018	5-25	26.27	11.21	0.00	0.00	15.06	**600**	**410**	**390**	**1,200**	**3.9**	**0.24 J**	**0.44 J**	**1.5 JA**	<0.16	--	<3.1	<0.27	<0.19	<0.16	<0.12	<0.13	<53	**18**	
RMC-5	2/4/2019	5-25	26.27	7.78	0.00	0.00	18.49	**970**	**160**	**280**	**840**	**3.5**	**0.14 J**	**0.73 J**	**1.2 JA**	<1.0	--	**13**	<1.0	<0.50	<2.0	<2.0	<2.0	<100	**23**	
RMC-6	4/14/1993	5-25	25.24	12.25	0.00	0.00	12.99	**1,300**	--	--	--	**1.1**	**2.0**	ND	ND	--	--	--	--	--	--	--	--	--	--	
RMC-6	6/14/1994	5-25	25.24	12.95	0.00	0.00	12.29	**1,100**	--	--	--	**3.4**	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	
RMC-6	8/11/1994	5-25	25.24	12.56	0.00	0.00	12.68	**1,200**	--	--	--	**2.2**	**2.5**	**4.0**	**5.2**	--	--	--	--	--	--	--	--	--	--	
RMC-6	11/1/1994	5-25	25.24	13.36	0.00	0.00	11.88	**640**	--	--	--	**1.2**	**0.90**	**1.7**	**2.5**	--	--	--	--	--	--	--	--	--	--	
RMC-6	3/31/1995	5-25	25.24	11.74	0.00	0.00	13.50	**880**	--	--	--	**2.8**	**0.90**	**1.1**	**1.2**	--	--	--	--	--	--	--	--	--	--	
RMC-6	6/27/1995	5-25	25.24	10.87	0.00	0.00	14.37	**ND**	--	--	--	**1.1**	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	
RMC-6	9/22/1995	5-25	23.90	11.84	0.00	0.00	12.06	**850**	--	--	--	**1.9**	ND	**1.8**	**1.3**	--	--	--	--	--	--	--	--	--	--	Resurveyed
RMC-6	12/7/1995	5-25	23.90	12.34	0.00	0.00	11.56	**730**	--	--	--	**0.50**	ND	**1.2**	**3.8**	--	--	--	--	--	--	--	--	--	--	
RMC-6	3/19/1996	5-25	23.90	11.33	0.00	0.00	12.57	**1,000**	--	--	--	**4.0**	**1.4**	**1.3**	**2.7**	--	--	--	--	--	--	--	--	--	--	
RMC-6	5/29/1996	5-25	23.90	11.54	0.00	0.00	12.36	**1,600**	--	--	--	**7.2**	**1.5**	**1.1**	**4.5**	--	**16**	--	--	--	--	--	--	--	--	
RMC-6	8/6/1996	5-25	23.90	11.82	0.00	0.00	12.08	**2,000**	--	--	--	**6.7**	**6.5**	**4.4**	**16**	--	ND	--	--	--	--	--	--	--	--	
RMC-6	11/26/1996	5-25	23.90	11.70	0.00	0.00	12.20	**1,900**	--	--	--	**7.2**	ND	**1.2**	**6.9**	--	**14**	--	--	--	--	--	--	--	--	
RMC-6	2/6/1997	5-25	23.90	11.15	0.00	0.00	12.75	**1,700**	--	--	--	**3.6**	ND	**1.0**	**1.7**	--	ND	--	--	--	--	--	--	--	--	
RMC-6	5/19/1997	5-25	23.90	11.34	0.00	0.00	12.56	**1,400**	--	--	--	**2.4**	**1.2**	**4.2**	**4.6**	--	ND	--	--	--	--	--	--	--	--	
RMC-6	8/7/1997	5-25	23.90	11.60	0.00	0.00	12.30	**1,700**	--	--	--	**1.8**	ND	**0.63**	ND	--	ND	--	--	--	--	--	--	--	--	
RMC-6	11/17/1997	5-25	23.90	12.05	0.00	0.00	11.85	**1,600**	--	--	--	**1.1**	ND	**1.6**	**5.6**	--	ND	--	--	--	--	--	--	--	--	
RMC-6	1/12/1998	5-25	23.90	11.37	0.00	0.00	12.53	**410**	--	--	--		ND	**0.50**	**1.5**	--	ND	--	--	--	--	--	--	--	--	
RMC-6	4/7/1998	5-25	23.90	9.20	0.00	0.00	14.70	**2,300**	--	--	--	**93**	**220**	**55**	**250**	--	**6.5**	--	--	--	--	--	--	--	--	
RMC-6	7/6/1998	5-25	23.90	10.88	0.00	0.00	13.02	**350**	--	--	--	**0.57**	ND	**0.80**	**1.7**	--	ND	--	--	--	--	--	--	--	--	
RMC-6	11/13/1998	5-25	23.90	11.85	0.00	0.00	12.05	**200**	--	--	--	**6.0**	ND	**0.62**	**1.9**	--	**6.0**	--	--	--	--	--	--	--	--	
RMC-6	1/11/1999	5-25	23.90	12.13	0.00	0.00	11.77	**300**	--	--	--	**130**	ND	**0.64**	**1.8**	--	**15**	--	--	--	--	--	--	--	--	
RMC-6	6/7/1999	5-25	23.90	11.77	0.00	0.00	12.13	**1,200**	--	--	--	**150**	ND	**3.2**	**3.1**	--	ND	--	--	--	--	--	--	--	--	
RMC-6	7/14/1999	5-25	23.90	11.83	0.00	0.00	12.07	**1,900**	--	--	--	**1,200**	**35**	**8.6**	**21**	--	**46**	--	--	--	--	--	--	--	--	
RMC-6	10/20/1999	5-25	23.90	12.58	0.00	0.00	11.32	**2,700**	--	--	--	**1,600**	**1.2**	**23**	**4.6**	--	ND	--	--	--	--	--	--	--	--	
RMC-6	1/5/2000	5-25	23.90	12.53	0.00	0.00	11.37	**2,200**	--	--	--	**1,700**	**1.4**	**12**	<2.0	--	<5.0	--	--	--	--	--	--	--	--	
RMC-6	5/12/2000	5-25	23.90	11.92	0.00	0.00	11.98	**1,000**	--	--	--	**510**	**2.3**	**3.8**	**5.3**	--	**13**	--	--	--	--	--	--	--	--	
RMC-6	8/3/2000	5-25	23.90	12.41	0.00	0.00	11.49	**550**	--	--	--	**140**	**22**	**9.0**	**25**	--	<5.0	--	--	--	--	--	--	--	--	
RMC-6	11/2/2000	5-25	23.90	12.32	0.00	0.00	11.58	**330**	--	--	--	**33**	<0.30	**1.7**	**4.0**	--	**12**	--	--	--	--	--	--	--	--	
RMC-6	3/2/2001	5-25	23.90	10.81	0.00	0.00	13.09	**580**	--	--	--	**1.2**	<0.50	**0.68**	<1.0	<0.50	--	**550**	--	--	<1.0	<1.0	<1.0	--	--	
RMC-6	5/29/2001	5-25	23.90	11.05	0.00	0.00	12.85	**1,200**	--	--	--	**0.57**	<0.50	**0.69**	<1.0	<0.50	--	<50	--	--	<1.0	<1.0	<1.0	--	--	
RMC-6	8/2/2001	5-25	23.90	11.67	0.00	0.00	12.23	**350**	--	--	--	**1.0**	**0.71**	<0.50	**1.2**	<0.50	--	**540**	--	--	<1.0	<1.0	<1.0	--	--	
RMC-6	11/9/2001	5-25	23.90	13.00	0.00	0.00	10.90	**210**	--	--	--	**14**	<0.50	<0.50	<1.0	<0.50	--	**680**	--	--	<1.0	<1.0	<1.0	--	--	
RMC-6	2/9/2002	5-25	23.86	13.40	0.00	0.00	10.46	**440**	--	--	--	**2.6**	<0.50	<0.50	**1.2**	<0.50	--	**500**	--	--	<1.0	<1.0	<1.0	--	--	
RMC-6	5/10/2002	5-25	23.86	13.87	0.00	0.00	9.99	**290**	--	--	--	<0.50	<0.50	<0.50	<1.0	<0.50	--	**480**	--	--	<1.0	<1.0	<1.0	--	--	
RMC-6	8/1/2002	5-25	23.86	13.05	0.00	0.00	10.81	**360**	--	--	--	**1.0**	**0.67**	**0.57**	**1.0**	<0.50	--	**280**	--	--	<1.0	<1.0	<1.0	--	--	
RMC-6	11/7/2002	5-25	23.86	13.02	0.00	0.00	10.84	**200**	--	--	--	<0.50	<0.50	<0.50	<1.0	<0.50	--	**620**	--	--	<1.0	<1.0	<1.0	--	--	
RMC-6	1/17/2003	5-25	23.86	11.86	0.00	0.00	12.00	**150**	--	--	--	<0.50	<0.50	<0.50	<1.0	<0.50	--	**410**	--	--	<1.0	<1.0	<1.0	--	--	
RMC-6	5/9/2003	5-25	23.86	11.24	0.00	0.00	12.62	**450**	--	--	--	<2.0	<2.0	<2.0	<4.0	<5.0	--	**320**	--	--	<5.0	<5.0	<5.0	--	--	
RMC-6	7/16/2003	5-25	23.86	12.53	0.00	0.00	11.33	**310**	--	--	--	<2.0	<2.0	<2.0	<4.0	<5.0	--	**400**	--	--	<5.0	<5.0	<5.0	--	--	
RMC-6	11/24/2003	5-25	23.86	12.22	0.00	0.00	11.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RMC-6	3/11/2004	5-25	23.86	12.58	0.00	0.00	11.28	**780**	--	--	--	<2.0	<2.0	<2.0	<4.0	<5.0	--	<50	--	--	<5.0	<5.0	<5.0	--	--	
RMC-6	6/2/2004	5-25	23.86	12.21	0.00	0.00	11.65	**500**	--	--	--	<2.0	<2.0	<2.0	<4.0	<5.0	--	**110**	--	--	<5.0	<5.0	<5.0	--	--	
RMC-6	9/14/2004	5-25	23.86	12.62	0.00	0.00	11.24	**140**	--	--	--	<2.0	<2.0	**7.6**	<4.0	<5.0	--	**350**	--	--	<5.0	<5.0	<5.0	--	--	
RMC-6	11/30/2004	5-25	23.86	12.35	0.00	0.00	11.51	**460**	--	--	--	<2.0	<2.0	<2.0	<4.0	<5.0	--	<50	--	--	<5.0	<5.0	<5.0	--	--	
RMC-6	2/16/2005	5-25	23.86	9.85	0.00	0.00	14.01	**580**	--	--	--	**0.51 J**	<0.36	**20**	<0.502	<0.32	--	**56**	--	--	<0.25	<0.28	<0.33	--	--	
RMC-6	8/25/2005	5-25	23.86	10.39	0.00	0.00	13.47	**330**	--	--	--	<0.28	<0.36	<0.25	<0.502	**2.6 J**	--	**260**	--	--	<0.25	<0.28	<0.33	--	--	
RMC-6	11/15/2005	5-25	23.86	11.07	0.00	0.00	12.79	**170**	--	--	--	<0.28	<0.36	<0.25	<0.502	**18**	--	**460**	--	--	**0.51 J**	<0.28	<0.33	--	--	
RMC-6	2/21/2006	5-25	26.20	11.41	0.00	0.00	14.79	**450**	--	--	--	**100**	**34**	**6.4**	**42**	**27**	--	**960**	--	--	**0.47 J**	<0.28	<0.33	--	--	
RMC-6	5/16/2006	5-25	26.20	10.41	0.00	0.00	15.79	**570**	--	--	--	**62**	**42**	**13**	**56**	**22**	--	**800**	--	--	**0.37 J**	<0.28	<0.33	--	--	
RMC-6	8/15/2006	5-25	26.20	11.41	0.00	0.00	14.79	**1,100**	--	--	--	<0.28	<0.36	<0.25	<0.90	<0.32	--	<3.1	--	--	<0.25	<0.28	<0.33	--	--	
RMC-6	11/21/2006	5-25	26.20	11.95	0.00	0.00	14.25	**1,300**	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**6.0 J**	--	--	<0.50	<0.50	<0.50	--	--	
RMC-6	2/13/2007	5-25	26.20	11.96	0.00	0.00	14.24	**410**	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
RMC-6	5/22/2007	5-25	26.20	11.57	0.00	0.00	14.63	**310**	**810**	--	--	**0.90 J**	<0.50	<0.50	<0.50	<0.50	--	**27**	--	--	<0.50	<0.50	<0.50	--	--	
RMC-6	8/9/2007	5-25	26.20	11.77	0.00	0.00	14.43	**140**	**540**	--	--	<0.50	<0.50	<0.50	<0.50	**0.60 J**	--	**320**	--	--	<0.50	<0.50	<0.50	--	--	
RMC-6	11/8/2007	5-25	26.20	11.95	0.00	0.00	14.25	**210**	**1,000**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**17**	--	--	<0.50	<0.50	<0.50	--	--	
RMC-6	2/8/2008	5-25	26.20	10.97	0.00	0.00	15.23	**160**	**770**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**31**	--	--	<0.50	<0.50	<0.50	--	--	
RMC-6	5/5/2008	5-25	26.20	11.70	0.00	0.00	14.50	**110**	**310**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**260**	--	--	<0.50	<0.50	<0.50	--	--	
RMC-6	8/14/2008	5-25	26.20	12.23	0.00	0.00	13.97	**340**	**510**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**32**	--	--	<0.50	<0.50	<0.50	--	--	
RMC-6	11/3/2008	5-25	26.20	12.45	0.00	0.00	13.75	**940**	**900**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
RMC-6	2/19/2009	5-25	26.20	11.16	0.00	0.00	15.04	**250**	**440**	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<2.0	--	--	<0.50	<0.50	<0.50	--	--	
RMC-6	5/8/2009	5-25	26.20	11.94	0.00	0.00	14.26	**180**	**350**	--	--	<0.50	<0.50	<0.50	<0.50	**1.0**	--	**250**	--	--	<0.50	<0.50	<0.50	--	--	
RMC-6	8/18/2009	5-25	26.20	12.63	0.00	0.00	13.57	**120**	**200**	--	--	<0.50	<0.50	<0.50	<0.50	**1.0**	--	**260**	--	--	<0.50	<0.50	<0.50	--	--	
RMC-6	11/16/2009	5-25	26.20	12.95	0.00	0.00	13.25	**740**	**800**	--	--	**1.0**	<0.50	<0.50	<0.50	**1.0**	--	**210**	--	--	<0.50	<0.50	<0.50	--	--	
RMC-6	2/15/2010	5-25	26.20	10.96	0.00	0.00	15.24	**1,300**	**820**	--	--	**1.0 J**	**0.50 J**	**0.70 J**	<0.50	**0.70 J**	--	**42 J**	--	<0.50	<0.50	<0.50	<0.50	--	**19**	
RMC-6	5/11/2010	5-25	26.20	11.79	0.00	0.00	14.41	**1,000**	**780**	--	--	**1.0 J**	<0.50	**0.60 J**	<0.50	**1.0 J**	--	**75 J**	--	**4.0 J**	<0.50	<0.50	<0.50	<50	**15**	
RMC-6	8/11/2010	5-25	26.20	12.27	0.00	0.00	13.93	**380**	**500**	--	--	**0.60 J**	<0.50	<0.50	<0.50	**2.0 J**	--	**160**	--	**24**	<0.50	<0.50	<0.50	<50	**7.0**	
RMC-6	11/2/2010	5-25	26.20	12.52	0.00	0.00	13.68	**170**	**320**	--	--	<0.50	<0.50	<0.50	<0.50	**2.0 J**	--	**130**	--	**33**	**0.60 J**	<0.50	<0.50	<50	**1.0 J**	
RMC-6	2/16/2011	5-25	26.20	11.24	0.00	0.00	14.96	**630**	**630**	--	--	**0.60 J**	<0.50	**0.50 J**	<0.50	**6.0**	--	**380**	--	**25**	<0.50	<0.50	<0.50	<50	**12**	
RMC-6	5/18/2011	5-25	26.20	10.84	0.00	0.00	15.36	**330**	**270**	--	--	<0.50	<0.50	<0.50	<0.50	**10**	--	**240**	--	**31**	**0.50 J**	<0.50	<0.50	<50	**7.0**	
RMC-6	8/8/2011	5-25	26.20	12.72	0.00	0.00	13.48	**510**	**650**	--	--	**0.90 J**	<0.50	<0.50	<0.50	**18**	--	**480**	--	**25**	**0.70 J**	<0.50	<0.50	<50	**10**	
RMC-6	11/16/2011	5-25	26.20	11.44	0.00	0.00	14.76	**490**	--	<50	--	**0.90 J**	<0.50	<0.50	<0.50	**25**	--	**550**	--	**25**	**0.60 J**	<0.50	<0.50	<50	**8.0**	
RMC-6	2/16/2012	5-25	26.20	11.57	0.00	0.00	14.63	**480**	**440**	<50	--	**1.0 J**	<0.50	<0.50	<0.50	**25**	--	**520**	--	**23**	<0.50	<0.50	<0.50	<50	**9.0**	
RMC-6	5/16/2012	5-25	26.20	11.67	0.00	0.00	14.53	**950**	**630**	**69 J**	--	**3.0 J**	<0.50	<0.50	<0.50	**18**	--	**210**	--	**8.0**	<0.50	<0.50	<0.50	<50	**6.0**	
RMC-6	8/15/2012	5-25	26.20	12.19	0.00	0.00	14.01	**280**	**160**	<50	--	**5.0**	<0.50	<0.50	<0.50	**10**	--	**120**	--	**25**	**0.70 J**	<0.50	<0.50	<50	**3.0 J**	
RMC-6	11/14/2012	5-25	26.20	12.32	0.00	0.00	13.88	**110**	**210**	**89**	--	**0.75**	<0.24	<0.14	<0.24	**4.2**	--	**70**	--	**30**	**0.61 J**	<0.44	<0.22	<50	**1.6**	
RMC-6	2/20/2013	5-25	26.20	11.83	0.00	0.00	14.37	**350**	**260**	<50	--	**3.0 J**	<0.50	<0.50	<0.50	**4.0**	--	**120**	--	**26**	**0.60 J**	<0.50	<0.50	<50	**4.0 J**	
RMC-6	2/20/2013	5-25	--	--	--	--	--	**290**	**460**	<50	--	**3.0 J**	<0.50	<0.50	<0.50	**4.0**	--	**100**	--	**24**	**0.50 J**	<0.50	<0.50	<50	**4.0 J**	Duplicate
RMC-6	5/3/2013	5-25	26.20	11.73	0.00	0.00	14.47	**150**	--	**54 J**	--	**0.70 J**	<0.50	<0.50	<0.50	**2.0 J**	--	**100**	--	**25**	**0.60 J**	<0.50	<0.50	<50	<1.0	
RMC-6	8/6/2013	5-25	26.20	12.12	0.00	0.00	14.08	**91**	--	**52 J**	--	<0.50	<0.50	<0.50	<0.50	**1.0 J**	--	**93**	--	**28**	<0.50	<0.50	<0.50	<50	**1.0 J**	
RMC-6	11/8/2013	5-25	26.20	12.45	0.00	0.00	13.75	**150**	--	<48	--	**0.60 J**	<0.50	<0.50	<0.50	**0.80 J**	--	**110**	--	**18**	<0.50	<0.50	<0.50	<50	<1.0	

Well ID	Sample Date	Screen Interval (ft bTOC)	TOC (ft)	DTW (ft bTOC)	PSH thickness (ft)	PSH recovered (gal)	GW Elev (ft)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-d w/SGC (µg/L)	TPH-Jet A (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8260B) (µg/L)	MTBE (8021) (µg/L)	TBA (µg/L)	EDB (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Naphthalene	Comments
RMC-6	2/25/2014	5-25	26.20	12.10	0.00	0.00	14.10	**130**	--	<49	--	<0.50	<0.50	<0.50	<0.50	**0.70 J**	--	**110**	--	**29**	<0.50	<0.50	<0.50	<50	**1.0 J**	
RMC-6	6/9/2014	5-25	26.20	12.17	0.00	0.00	14.03	**97**	--	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	**96**	--	**24**	<0.50	<0.50	<0.50	<50	**2.0 J**	
RMC-6	9/16/2014	5-25	26.20	12.80	0.00	0.00	13.40	**100**	--	<53	--	**0.60 J**	<0.50	<0.50	<0.50	**0.70 J**	--	**100**	--	**24**	<0.50	<0.50	<0.50	<50	<1.0	
RMC-6	12/5/2014	5-25	26.20	12.81	0.00	0.00	13.39	**180**	--	<53	--	**1.0**	<0.50	<0.50	**0.50 J**	**0.80 J**	--	**110**	--	**15**	<0.50	<0.50	<0.50	<50	**2.0 J**	
RMC-6	2/26/2015	5-25	26.20	12.37	0.00	0.00	13.83	**80**	--	<51	--	<0.50	<0.50	<0.50	<0.50	**1.0 J**	--	**85**	--	**18**	**0.50 J**	<0.50	<0.50	<50	<1.0	
RMC-6	6/17/2015	5-25	26.20	12.27	0.00	0.00	13.93	**100**	--	<42**	--	<0.50	<0.50	<0.50	<0.50	**1.0**	--	**85**	--	**15**	**0.60 J**	<0.50	<0.50	<50	<1.0	
RMC-6	9/3/2015	5-25	26.20	12.99	0.00	0.00	13.21	**74**	--	<42**	--	<0.50	<0.50	<0.50	<0.50	**1.0 J**	--	**71**	--	**16**	**0.70 J**	<0.50	<0.50	<50	<1.0	
RMC-6	12/1/2015	5-25	26.20	13.17	0.00	0.00	13.03	**69**	--	<45**	--	<0.50	<0.50	<0.50	<0.50	**0.70 J**	--	**55**	--	**13**	<0.50	<0.50	<0.50	<50	<1.0	
RMC-6	3/11/2016	5-25	26.20	12.25	0.00	0.00	13.95	**43 J**	<45**	--	--	<0.50	<0.50	<0.50	<0.50	**0.80 J**	--	**64**	--	**16**	**0.60 J**	<0.50	<0.50	<50	<1.0	
RMC-6	6/6/2016	5-25	26.20	11.36	0.00	0.00	14.84	**36 J**	--	<50***	--	<0.50	<0.50	<0.50	<0.50	**0.70 J**	--	**58**	--	**13**	**0.60 J**	<0.50	<0.50	<50	<1.0	
RMC-6	9/21/2016	5-25	26.20	13.98	0.00	0.00	12.22	**250**	--	<50***	--	**23**	**2.0**	**14**	**30**	**2.0**	--	**95**	--	**22**	**0.80 J**	<0.50	<0.50	<50	**10**	
RMC-6	12/30/2016	5-25	26.20	14.05	0.00	0.00	12.15	**72**	--	<45***	--	**0.50 J**	<0.50	<0.50	<0.50	**2.0**	--	**130**	--	**16**	**0.60 J**	<0.50	<0.50	<50	<1.0	
RMC-6	2/16/2017	5-25	26.20	12.69	0.00	0.00	13.51	**92**	--	<45***	--	<0.50	<0.50	<0.50	<0.50	**2.0**	--	**250**	--	**19**	**1.0 J**	<0.50	<0.50	<50	<1.0	
RMC-6	5/11/2017	5-25	26.20	12.73	0.00	0.00	13.47	<22	--	<45***	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
RMC-6	9/20/2017	5-25	26.20	13.10	0.00	0.00	13.10	**100**	--	<46***	--	<0.50	<0.50	<0.50	<0.50	**4.0**	--	**340**	--	**15**	**0.90 J**	<0.50	<0.50	<50	<1.0	
RMC-6	11/30/2017	5-25	26.20	13.09	0.00	0.00	13.11	**94**	--	<46***	--	<0.50	<0.50	<0.50	<0.50	**4.0**	--	**280**	--	**14**	**0.70 J**	<0.50	<0.50	<50	<1.0	
RMC-6	2/8/2018	5-25	26.20	12.99	0.00	0.00	13.21	**61**	--	**66*** **	--	<0.14	<0.24	<0.14	<0.23	**3.6**	--	**180**	--	**12**	**0.74 J**	<0.44	<0.22	<50	<2.5	
RMC-6	6/1/2018	5-25	26.20	12.45	0.00	0.00	13.75	<48	--	**44 J*** **	<41	<0.14	<0.24	<0.14	<0.23	**1.2**	--	**63**	--	**5.5**	<0.33	<0.44	<0.22	<50	<5.0	
RMC-6	8/23/2018	5-25	26.20	12.90	0.00	0.00	13.30	<48	--	**80*** **	**45 J**	<0.30	<0.29	<0.26	<0.27	**1.4**	--	**48**	--	**11**	**0.50 J**	<0.27	<0.25	<54	<5.1	
RMC-6	12/21/2018	5-25	26.20	12.66	0.00	0.00	13.54	<48	**30 J**	<15	<40	<0.14	<0.13	<0.14	<0.15	**0.82 J**	--	**40**	<0.27	**11**	**0.45 J**	<0.12	<0.13	<53	<5.1	
RMC-6	2/4/2019	5-25	26.20	11.44	0.00	0.00	14.76	**160**	**24 J**	<50	<50	<1.0	<1.0	<1.0	<1.0	**0.75 J**	--	**43**	<1.0	**11**	**0.46 J**	<2.0	<2.0	<100	<10	
RMC-7	4/14/1993	5-25	25.48	13.06	0.00	0.00	12.42	**3,400**	--	--	--	**1.0**	**1.6**	ND	**5.7**	--	--	--	--	--	--	--	--	--	--	
RMC-7	6/14/1994	5-25	25.48	12.95	0.00	0.00	12.53	**6,900**	--	--	--	**1,100**	**10**	**8.3**	**14**	--	--	--	--	--	--	--	--	--	--	
RMC-7	8/11/1994	5-25	25.48	13.34	0.00	0.00	12.14	**6,900**	--	--	--	**1,300**	**17**	**13**	**18**	--	--	--	--	--	--	--	--	--	--	
RMC-7	11/1/1994	5-25	25.48	14.08	0.00	0.00	11.40	**9,600**	--	--	--	**1,600**	**17**	**16**	**16**	--	--	--	--	--	--	--	--	--	--	
RMC-7	3/31/1995	5-25	25.48	11.58	0.00	0.00	13.90	**15,000**	--	--	--	**3,300**	**400**	**74**	**250**	--	--	--	--	--	--	--	--	--	--	
RMC-7	6/27/1995	5-25	25.48	11.98	0.00	0.00	13.50	**11,000**	--	--	--	**2,800**	**48**	**44**	**52**	--	--	--	--	--	--	--	--	--	--	
RMC-7	9/22/1995	5-25	24.14	12.53	0.00	0.00	11.61	**16,000**	--	--	--	**2,100**	**32**	**9.4**	**24**	--	--	--	--	--	--	--	--	--	--	Resurveyed
RMC-7	12/7/1995	5-25	--	--	--	--	--	**1,100**	--	--	--	**37**	**0.50**	**0.80**	**2.6**	--	--	--	--	--	--	--	--	--	--	Pre-Purge
RMC-7	12/7/1995	5-25	24.14	12.84	0.00	0.00	11.30	**14,000**	--	--	--	**2,600**	**35**	**37**	**31**	--	--	--	--	--	--	--	--	--	--	
RMC-7	3/19/1996	5-25	24.14	12.07	0.00	0.00	12.07	**29,000**	--	--	--	**3,100**	**40**	**34**	**25**	--	--	--	--	--	--	--	--	--	--	
RMC-7	5/29/1996	5-25	24.14	12.28	0.00	0.00	11.86	**1,500**	--	--	--	**110**	**1.6**	**1.2**	**13**	--	**160**	--	--	--	--	--	--	--	--	
RMC-7	8/6/1996	5-25	24.14	12.57	0.00	0.00	11.57	**1,400**	--	--	--	**67**	**3.0**	**2.5**	**8.9**	--	**12**	--	--	--	--	--	--	--	--	
RMC-7	11/26/1996	5-25	24.14	12.45	0.00	0.00	11.69	**1,300**	--	--	--	**49**	**1.4**	**1.4**	**1.9**	--	**120**	--	--	--	--	--	--	--	--	
RMC-7	2/6/1997	5-25	24.14	11.28	0.00	0.00	12.86	**1,400**	--	--	--	**100**	**2.6**	**1.5**	**1.3**	--	**39**	--	--	--	--	--	--	--	--	
RMC-7	5/19/1997	5-25	24.14	12.13	0.00	0.00	12.01	ND	--	--	--	**60**	ND	ND	ND	--	**1,000**	--	--	--	--	--	--	--	--	
RMC-7	8/7/1997	5-25	24.14	12.30	0.00	0.00	11.84	**1,100**	--	--	--	**54**	**0.45**	ND	**1.4**	--	**40**	--	--	--	--	--	--	--	--	
RMC-7	11/17/1997	5-25	24.14	12.79	0.00	0.00	11.35	**14,000**	--	--	--	**1,800**	**25**	**25**	**18**	--	**12,000**	--	--	--	--	--	--	--	--	
RMC-7	1/12/1998	5-25	24.14	11.90	0.00	0.00	12.24	**11,000**	--	--	--	**4,200**	**24**	**78**	**48**	--	**9,500**	--	--	--	--	--	--	--	--	
RMC-7	4/7/1998	5-25	24.14	10.24	0.00	0.00	13.90	**16,000**	--	--	--	**4,300**	**110**	**71**	**170**	--	**1,000**	--	--	--	--	--	--	--	--	
RMC-7	7/6/1998	5-25	24.14	11.20	0.00	0.00	12.94	**35,000**	--	--	--	**3,900**	**110**	**81**	**77**	--	**20,000**	--	--	--	--	--	--	--	--	
RMC-7	11/13/1998	5-25	24.14	11.94	0.00	0.00	12.20	**34,000**	--	--	--	**4,100**	**50**	**41**	**35**	--	**38,000**	--	--	--	--	--	--	--	--	
RMC-7	1/11/1999	5-25	24.14	12.26	0.00	0.00	11.88	**42,000**	--	--	--	**3,700**	**36**	**28**	**30**	--	**55,000**	--	--	--	--	--	--	--	--	
RMC-7	6/7/1999	5-25	24.14	11.79	0.00	0.00	12.35	**36,000**	--	--	--	**950**	**9.2**	**11**	**25**	--	**58,000**	--	--	--	--	--	--	--	--	
RMC-7	7/14/1999	5-25	24.14	11.98	0.00	0.00	12.16	**54,000**	--	--	--	**660**	**8.0**	**12**	**21**	--	**80,000**	--	--	--	--	--	--	--	--	
RMC-7	10/20/1999	5-25	24.14	12.89	0.00	0.00	11.25	**63,000**	--	--	--	**770**	**3.2**	**11**	**27**	--	**66,000**	--	--	--	--	--	--	--	--	
RMC-7	1/5/2000	5-25	24.14	12.98	0.00	0.00	11.16	**70,000**	--	--	--	**910**	**7.8**	**5.8**	**16**	--	**63,000**	--	--	--	--	--	--	--	--	
RMC-7	5/12/2000	5-25	24.14	12.52	0.00	0.00	11.62	**47,000**	--	--	--	**750**	<20	<20	<30	--	**44,000**	--	--	--	--	--	--	--	--	
RMC-7	8/3/2000	5-25	24.14	12.18	0.00	0.00	11.96	**20,000**	--	--	--	**690**	**16**	**18**	**42**	--	**37,000**	--	--	--	--	--	--	--	--	
RMC-7	11/2/2000	5-25	24.14	12.71	0.00	0.00	11.43	**20,000**	--	--	--	**640**	<20	<20	**31**	--	**29,000**	--	--	--	--	--	--	--	--	
RMC-7	3/2/2001	5-25	24.14	10.56	0.00	0.00	13.58	**16,000**	--	--	--	**610**	<50	<50	<100	**21,000**	--	**58,000**	--	--	<100	<100	<100	--	--	
RMC-7	5/29/2001	5-25	24.14	11.68	0.00	0.00	12.46	**9,100**	--	--	--	**450**	<20	<20	<30	**9,100**	--	**41,000**	--	--	<30	<30	<30	--	--	
RMC-7	8/2/2001	5-25	24.14	12.10	0.00	0.00	12.04	**10,000**	--	--	--	**340**	<50	<50	<100	**8,500**	--	**51,000**	--	--	<100	<100	<100	--	--	
RMC-7	11/9/2001	5-25	24.14	13.42	0.00	0.00	10.72	**4,000**	--	--	--	**340**	**1.2**	**0.70**	**5.1**	**3,800**	--	**46,000**	--	--	**2.4**	<1.0	**1.9**	--	--	
RMC-7	2/9/2002	5-25	24.12	14.10	0.00	0.00	10.02	**2,700**	--	--	--	**190**	**0.56**	**0.54**	**4.4**	**91**	--	**45,000**	--	--	**3.2**	<1.0	<1.0	--	--	
RMC-7	5/10/2002	5-25	24.12	14.40	0.00	0.00	9.72	**1,100**	--	--	--	**16**	<0.50	<0.50	**1.0**	**2.1**	--	**32,000**	--	--	**4.3**	<1.0	<1.0	--	--	
RMC-7	8/1/2002	5-25	24.12	13.40	0.00	0.00	10.72	**1,700**	--	--	--	**5.4**	<1.0	<1.0	<2.0	**1.2**	--	**31,000**	--	--	**4.1**	<2.0	<2.0	--	--	
RMC-7	11/7/2002	5-25	24.12	13.18	0.00	0.00	10.94	**1,300**	--	--	--	<3.0	<3.0	<3.0	<5.0	<3.0	--	**29,000**	--	--	<5.0	<10	<10	--	--	
RMC-7	1/17/2003	5-25	24.12	12.14	0.00	0.00	11.98	**1,900**	--	--	--	**5.5**	<0.50	<0.50	**1.9**	**2.4**	--	**64,000**	--	--	**4.4**	<1.0	<1.0	--	--	
RMC-7	5/9/2003	5-25	24.12	11.37	0.00	0.00	12.75	**1,400**	--	--	--	<40	<40	<40	<80	<100	--	**11,000**	--	--	<100	<100	<100	--	--	
RMC-7	7/16/2003	5-25	24.12	12.86	0.00	0.00	11.26	**1,800**	--	--	--	<40	<40	<40	<80	<100	--	**9,700**	--	--	<100	<100	<100	--	--	
RMC-7	11/24/2003	5-25	24.12	12.47	0.00	0.00	11.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RMC-7	3/11/2004	5-25	24.12	12.73	0.00	0.00	11.39	**940**	--	--	--	<10	<10	<10	<20	<25	--	**3,200**	--	--	<25	<25	<25	--	--	
RMC-7	6/2/2004	5-25	24.12	12.38	0.00	0.00	11.74	**270**	--	--	--	<2.0	<2.0	<2.0	<4.0	<5.0	--	**610**	--	--	<5.0	<5.0	<5.0	--	--	
RMC-7	9/14/2004	5-25	24.12	12.65	0.00	0.00	11.47	**330**	--	--	--	<10	<10	**6.5 J**	<20	**1.7 J**	--	**2,600**	--	--	**3.2**	<25	<25	--	--	
RMC-7	11/30/2004	5-25	24.12	12.45	0.00	0.00	11.67	**600**	--	--	--	**0.46 J**	<2.0	<2.0	<4.0	**8.9**	--	<50	--	--	<5.0	<5.0	<5.0	--	--	
RMC-7	2/16/2005	5-25	24.12	9.96	0.00	0.00	14.16	**340**	--	--	--	**2.7**	<0.36	**31**	<0.502	**6.1**	--	**180**	--	--	**0.61 J**	<0.28	<0.33	--	--	
RMC-7	8/25/2005	5-25	24.12	10.50	0.00	0.00	13.62	**440**	--	--	--	<0.28	<0.36	<0.25	<0.502	**8.4**	--	**2,000**	--	--	**3.4 J**	<0.28	<0.33	--	--	
RMC-7	11/15/2005	5-25	24.12	11.22	0.00	0.00	12.90	**640**	--	--	--	<0.28	<0.36	<0.25	<0.502	**6.7 J**	--	**6,300**	--	--	**5.2 J**	<0.28	<0.33	--	--	
RMC-7	2/21/2006	5-25	26.47	11.47	0.00	0.00	15.00	**1,300**	--	--	--	**65**	**21**	**4.6**	**28**	**19**	--	**420**	--	--	**0.54 J**	<0.28	<0.33	--	--	
RMC-7	5/16/2006	5-25	26.47	10.60	0.00	0.00	15.87	**640**	--	--	--	**23**	**18**	**6.4**	**26**	**6.1**	--	**1,300**	--	--	**0.72 J**	<0.28	<0.33	--	--	
RMC-7	8/15/2006	5-25	26.47	11.67	0.00	0.00	14.80	**870**	--	--	--	<0.28	<0.36	**0.29 J**	<0.90	**6.1**	--	**280**	--	--	**0.46 J**	<0.28	<0.33	--	--	
RMC-7	11/21/2006	5-25	26.47	12.30	0.00	0.00	14.17	**950**	--	--	--	<0.50	<0.50	<0.50	<0.50	**6.0**	--	**200**	--	--	<0.50	<0.50	<0.50	--	--	
RMC-7	2/13/2007	5-25	26.47	12.23	0.00	0.00	14.24	**790**	--	--	--	<0.50	<0.50	<0.50	<0.50	**4.0**	--	**410**	--	--	<0.50	<0.50	<0.50	--	--	
RMC-7	5/22/2007	5-25	26.47	11.95	0.00	0.00	14.52	**500**	**3,600**	--	--	<0.50	<0.50	<0.50	<0.50	**4.0**	--	**850**	--	--	<0.50	<0.50	<0.50	--	--	
RMC-7	8/9/2007	5-25	26.47	12.05	0.00	0.00	14.42	**1,000**	**3,400**	--	--	<0.50	<0.50	<0.50	<0.50	**5.0**	--	**14,000**	--	--	**1.0**	<0.50	<0.50	--	--	
RMC-7	11/8/2007	5-25	26.47	12.30	0.00	0.00	14.17	**1,300**	**2,600**	--	--	<5.0	<5.0	<5.0	<5.0	**6.0 J**	--	**15,000**	--	--	<5.0	<0.50	<0.50	--	--	
RMC-7	2/8/2008	5-25	26.47	11.36	0.00	0.00	15.11	**1,000**	**2,500**	--	--	**4.0**	<0.50	<0.50	<0.50	**6.0**	--	**8,900**	--	--	**2.0**	<0.50	<0.50	--	--	
RMC-7	5/5/2008	5-25	26.47	12.00	0.00	0.00	14.47	**1,100**	**2,700**	--	--	**7.0**	<0.50	**0.60 J**	<0.50	**8.0**	--	**14,000**	--	--	**5.0**	<0.50	<0.50	--	--	
RMC-7	8/14/2008	5-25	26.47	12.49	0.00	0.00	13.98	**210**	**2,100**	--	--	<0.50	<0.50	<0.50	<0.50	**3.0**	--	**280**	--	--	<0.50	<0.50	<0.50	--	--	
RMC-7	11/3/2008	5-25	26.47	12.70	0.00	0.00	13.77	**1,300**	**3,000**	--	--	**0.80 J**	<0.50	**0.70 J**	<0.50	**5.0**	--	**5,900**	--	--	**1.0**	<0.50	<0.50	--	--	
RMC-7	2/19/2009	5-25	26.47	11.47	0.00	0.00	15.00	**380**	**1,400**	--	--	<0.50	<0.50	<0.50	<0.50	**2.0**	--	**110**	--	--	<0.50	<0.50	<0.50	--	--	
RMC-7	5/8/2009	5-25	26.47	12.42	0.00	0.00	14.05	**1,500**	**2,800**	--	--	**1.0**	<0.50	**0.80 J**	<0.50	**6.0**	--	**7,000**	--	--	**5.0**	<0.50	<0.50	--	--	
RMC-7	8/18/2009	5-25	26.47	12.88	0.00	0.00	13.59	**860**	**1,500**	--	--	<0.50	<0.50	<0.50	<0.50	**4.0**	--	**4,700**	--	--	**7.0**	<0.50	<0.50	--	--	
RMC-7	11/16/2009	5-25	26.47	13.11	0.00	0.00	13.36	**1,300**	**2,000**	--	--	<0.50	<0.50	<0.50	<0.50	**6.0**	--	**5,200**	--	--	**7.0**	<0.50	<0.50	--	--	
RMC-7	2/15/2010	5-25	26.47	11.15	0.00	0.00	15.32	**1,500**	**1,800**	--	--	**0.60 J**	<0.50	**0.60 J**	<0.50	**6.0**	--	**4,900**	--	**9.0**	**6.0**	<0.50	<0.50	--	**5.0 J**	
RMC-7	2/15/2010	5-25	--	--	--	--	--	**1,800**	**1,800**	--	--	**0.70 J**	<0.50	**0.70 J**	**0.50 J**	**6.0**	--	**5,600**	--	**10**	**7.0**	<0.50	<0.50	--	<1.0	Duplicate
RMC-7	5/11/2010	5-25	26.47	11.91	0.00	0.00	14.56	**860**	**1,800**	--	--	<0.50	<0.50	**0.60 J**	<0.50	**5.0**	--	**4,300**	--	**9.0**	**7.0**	<0.50	<0.50	<50	<1.0	
RMC-7	8/11/2010	5-25	26.47	12.45	0.00	0.00	14.02	**1,200**	**1,500**	--	--	**0.50 J**	<0.50	<0.50	<0.50	**5.0**	--	**3,500**	--	**8.0**	**6.0**	<0.50	<0.50	<50	<1.0	
RMC-7	11/2/2010	5-25	26.47	12.80	0.00	0.00	13.67	**1,000**	**1,300**	--	--	<0.50	<0.50	<0.50	<0.50	**5.0**	--	**2,600**	--	**9.0**	**6.0**	<0.50	<0.50	<50	<1.0	
RMC-7	2/16/2011	5-25	26.47	11.24	0.00	0.00	15.23	**1,200**	**1,700**	--	--	<0.50	<0.50	**0.60 J**	<0.50	**6.0**	--	**2,500**	--	**9.0**	**5.0**	<0.50	<0.50	<50	<1.0	
RMC-7	5/18/2011	5-25	26.47	11.04	0.00	0.00	15.43	**1,200**	**1,200**	--	--	**0.80 J**	<0.50	**0.50 J**	<0.50	**6.0**	--	**2,100**	--	**9.0**	**5.0**	<0.50	<0.50	<50	<1.0	
RMC-7	8/8/2011	5-25	26.47	12.84	0.00	0.00	13.63	**1,300**	**1,600**	--	--	**1.0 J**	<0.50	**0.60 J**	<0.50	**7.0**	--	**2,200**	--	**7.0**	**7.0**	<0.50	<0.50	<50	**2.0 J**	
RMC-7	11/16/2011	5-25	26.47	11.66	0.00	0.00	14.81	**980**	--	<50	--	**0.90 J**	<0.50	<0.50	<0.50	**7.0**	--	**2,300**	--	**5.0**	**5.0**	<0.50	<0.50	<50	<1.0	
RMC-7	2/16/2012	5-25	26.47	11.83	0.00	0.00	14.64	**1,000**	**1,100**	<50	--	**0.90 J**	<0.50	<0.50	<0.50	**8.0**	--	**2,400**	--	**9.0**	**4.0**	<0.50	<0.50	<50	<1.0	
RMC-7	5/16/2012	5-25	26.47	12.20	0.00	0.00	14.27	**1,200**	**1,100**	<50	--	**1.0 J**	<0.50	<0.50	<0.50	**9.0**	--	**2,800**	--	**8.0**	**5.0**	<0.50	<0.50	<50	<1.0	

Well ID	Sample Date	Screen Interval (ft bTOC)	TOC (ft)	DTW (ft bTOC)	PSH thickness (ft)	PSH recovered (gal)	GW Elev (ft)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-d w/SGC (µg/L)	TPH-Jet A (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8260B) (µg/L)	MTBE (8021) (µg/L)	TBA (µg/L)	EDB (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Naphthalene	Comments
RMC-7	8/15/2012	5-25	26.47	12.66	0.00	0.00	13.81	**1,200**	**1,500**	<50	--	**3.0 J**	<0.50	<0.50	<0.50	**10**	--	**3,500**	--	**9.0**	**5.0**	<0.50	<0.50	<50	<1.0	
RMC-7	11/14/2012	5-25	26.47	12.77	0.00	0.00	13.70	**980**	**1,200**	**220**	--	**3.6**	<0.24	**0.37 J**	**0.52 J**	**10**	--	**3,800**	--	**11**	**5.7**	<0.44	<0.22	<50	<2.5	
RMC-7	2/20/2013	5-25	26.47	12.30	0.00	0.00	14.17	**770**	**1,200**	<50	--	**2.0 J**	<0.50	<0.50	<0.50	**4.0**	--	**2,100**	--	<0.50	**2.0 J**	<0.50	<0.50	<50	<1.0	
RMC-7	5/3/2013	5-25	26.47	12.37	0.00	0.00	14.10	**710**	--	<47	--	**0.80 J**	<0.50	<0.50	<0.50	**7.0**	--	**3,100**	--	**18**	**7.0**	<0.50	<0.50	<50	<1.0	
RMC-7	8/6/2013	5-25	26.47	12.70			13.77	**360**	--	**54 J**	--	<0.50	<0.50	<0.50	<0.50	**0.80 J**	--	**260**	--	<0.50	<0.50	<0.50	<0.50	<50	**1.0 J**	
RMC-7	11/8/2013	5-25	26.47	12.81	0.00	0.00	13.66	**700**	--	<48	--	<0.50	<0.50	<0.50	<0.50	**6.0**	--	**2,700**	--	**12**	**6.0**	<0.50	<0.50	<50	<1.0	
RMC-7	2/25/2014	5-25	26.47	12.94	0.00	0.00	13.53	**690**	--	<48	--	**0.60 J**	<0.50	<0.50	<0.50	**7.0**	--	**3,200**	--	**19**	**6.0**	<0.50	<0.50	<50	<1.0	
RMC-7	6/9/2014	5-25	26.47	12.74	0.00	0.00	13.73	**830**	--	<47	--	<0.50	<0.50	<0.50	<0.50	**6.0**	--	**2,500**	--	**15**	**6.0**	<0.50	<0.50	<50	<1.0	
RMC-7	9/16/2014	5-25	26.47	13.32	0.00	0.00	13.15	**640**	--	<55	--	<0.50	<0.50	<0.50	<0.50	**6.0**	--	**2,600**	--	**13**	**7.0**	<0.50	<0.50	<50	<1.0	
RMC-7	12/5/2014	5-25	26.47	12.81	0.00	0.00	13.66	**550**	--	<51	--	<0.50	<0.50	<0.50	<0.50	**6.0**	--	**2,300**	--	**9.0**	**6.0**	<0.50	<0.50	<50	<1.0	
RMC-7	2/26/2015	5-25	26.47	12.34	0.00	0.00	14.13	**390**	--	<50	--	<0.50	<0.50	<0.50	<0.50	**6.0**	--	**1,500**	--	**10**	**6.0**	<0.50	<0.50	<50	<1.0	
RMC-7	6/16/2015	5-25	26.47	12.25	0.00	0.00	14.22	**650**	--	**50 J****	--	<0.50	<0.50	<0.50	<0.50	**5.0**	--	**990**	--	**6.0**	**5.0**	<0.50	<0.50	<50	<1.0	
RMC-7	9/3/2015	5-25	26.47	13.01	0.00	0.00	13.46	**450**	--	<42**	--	<0.50	<0.50	<0.50	<0.50	**5.0**	--	**970**	--	**6.0**	**5.0**	<0.50	<0.50	<50	<1.0	
RMC-7	12/1/2015	5-25	26.47	13.22	0.00	0.00	13.25	**780**	--	<45**	--	<0.50	<0.50	<0.50	**0.50 J**	**4.0**	--	**740**	--	**5.0**	**4.0**	<0.50	<0.50	<50	<1.0	
RMC-7	3/11/2016	5-25	26.47	12.24	0.00	0.00	14.23	**390**	**290****	--	--	**12**	**2.0**	**1.0**	**2.0**	**4.0**	--	**530**	--	**2.0**	**3.0**	<0.50	<0.50	<50	<1.0	
RMC-7	6/6/2016	5-25	26.47	11.20	0.00	0.00	15.27	**300**	--	<50***	--	<0.50	<0.50	<0.50	<0.50	**3.0**	--	**380**	--	**2.0**	**4.0**	<0.50	<0.50	<50	<1.0	
RMC-7	9/21/2016	5-25	26.47	14.36	0.00	0.00	12.11	**400**	--	<50***	--	<0.50	<0.50	<0.50	<0.50	**3.0**	--	**210**	--	**3.0**	**4.0**	<0.50	<0.50	<50	**2.0 J**	
RMC-7	12/30/2016	5-25	26.47	14.51	0.00	0.00	11.96	**470**	--	<45***	--	<0.50	<0.50	<0.50	<0.50	**3.0**	--	**200**	--	**2.0**	**2.0**	<0.50	<0.50	<50	<1.0	
RMC-7	2/16/2017	5-25	26.47	13.40	0.00	0.00	13.07	**430**	--	<45***	--	<0.50	<0.50	<0.50	<0.50	**4.0**	--	**250**	--	**5.0**	**3.0**	<0.50	<0.50	<50	<1.0	
RMC-7	5/11/2017	5-25	26.47	13.50	0.00	0.00	12.97	**380**	--	<46***	--	<0.50	<0.50	<0.50	<0.50	**5.0**	--	**450**	--	**7.0**	**3.0**	<0.50	<0.50	<50	<1.0	
RMC-7	9/20/2017	5-25	26.47	13.71	0.00	0.00	12.76	**320**	--	<45***	--	<0.50	<0.50	<0.50	<0.50	**5.0**	--	**800**	--	**8.0**	**4.0**	<0.50	<0.50	<50	<1.0	
RMC-7	11/30/2017	5-25	26.47	13.77	0.00	0.00	12.70	**290**	--	<46***	--	<0.50	<0.50	<0.50	<0.50	**6.0**	--	**890**	--	**9.0**	**4.0**	<0.50	<0.50	<50	<1.0	
RMC-7	2/8/2018	5-25	26.47	13.49	0.00	0.00	12.98	**220**	--	**110*** **	--	<0.28	<0.47	<0.28	<0.46	**4.6**	--	**850**	--	**11**	**4.7**	<0.87	<0.44	<100	<5.0	
RMC-7	6/1/2018	5-25	26.47	12.80	0.00	0.00	13.67	**220**	--	**110*** **	**210**	<0.14	<0.24	<0.14	<0.23	**3.5**	--	**650**	--	**6.4**	**2.6**	<0.44	<0.22	<50	<5.0	
RMC-7	8/23/2018	5-25	26.47	13.34	0.00	0.00	13.13	**230**	--	**240*** **	**460**	<0.30	<0.29	<0.26	<0.27	**5.8**	--	**790**	--	**8.6**	**4.6**	<0.27	<0.25	<54	<5.1	
RMC-7	12/21/2018	5-25	26.47	13.13	0.00	0.00	13.34	**130**	**220**	**42 J**	**390**	<0.14	<0.13	<0.14	<0.15	**4.5**	--	**880**	<0.27	**7.2**	**4.2**	<0.12	<0.13	<53	<5.1	
RMC-7	2/4/2019	5-25	26.47	11.72	0.00	0.00	14.75	**140**	**210**	**27 J**	**480**	<1.0	<1.0	<1.0	<1.0	**5.6**	--	**630**	<1.0	**8.7**	**5.0**	<2.0	<2.0	**59 J**	**6.3 J**	
VEW-1	6/14/1994	5-15	--	12.06	0.00	0.00	--	**6,300**	--	--	--	**950**	ND	**23**	**19**	--	--	--	--	--	--	--	--	--	--	
VEW-1	8/11/1994	5-15	--	12.51	0.00	0.00	--	**6,000**	--	--	--	**970**	**10**	**23**	**24**	--	--	--	--	--	--	--	--	--	--	
VEW-1	11/1/1994	5-15	--	13.38	0.00	0.00	--	**6,800**	--	--	--	**1,000**	**14**	**24**	**36**	--	--	--	--	--	--	--	--	--	--	
VEW-1	3/31/1995	5-15	--	9.60	0.00	0.00	--	**6,300**	--	--	--	**1,500**	**20**	**18**	**23**	--	--	--	--	--	--	--	--	--	--	
VEW-1	6/27/1995	5-15	--	10.54	0.00	0.00	--	**5,000**	--	--	--	**1,500**	**7.8**	**12**	**13**	--	--	--	--	--	--	--	--	--	--	
VEW-1	9/22/1995	5-15	24.52	11.36	0.00	0.00	13.16	**9,100**	--	--	--	**1,200**	**11**	**12**	**18**	--	--	--	--	--	--	--	--	--	--	
VEW-1	12/7/1995	5-15	24.52	12.20	0.00	0.00	12.32	**7,500**	--	--	--	**1,200**	**6.0**	**7.9**	**15**	--	--	--	--	--	--	--	--	--	--	
VEW-1	3/19/1996	5-15	24.52	10.68	0.00	0.00	13.84	**6,300**	--	--	--	**1,200**	**8.7**	**8.0**	**23**	--	--	--	--	--	--	--	--	--	--	
VEW-1	5/29/1996	5-15	24.52	11.34	0.00	0.00	13.18	**4,100**	--	--	--	**910**	**6.6**	**5.2**	**9.0**	--	**580**	--	--	--	--	--	--	--	--	
VEW-1	8/6/1996	5-15	24.52	11.78	0.00	0.00	12.74	**4,500**	--	--	--	**1,100**	**2.7**	**5.8**	**6.3**	--	**720**	--	--	--	--	--	--	--	--	
VEW-1	11/26/1996	5-15	24.52	11.98	0.00	0.00	12.54	**5,800**	--	--	--	**1,300**	**5.7**	**4.2**	**5.4**	--	**700**	--	--	--	--	--	--	--	--	
VEW-1	2/6/1997	5-15	24.52	9.35	0.00	0.00	15.17	**4,300**	--	--	--	**820**	**6.7**	**4.0**	**7.4**	--	**970**	--	--	--	--	--	--	--	--	
VEW-1	5/19/1997	5-15	24.52	11.10	0.00	0.00	13.42	ND	--	--	--	**1,100**	ND	ND	ND	--	**2,400**	--	--	--	--	--	--	--	--	
VEW-1	8/7/1997	5-15	24.52	11.67	0.00	0.00	12.85	**6,400**	--	--	--	**1,200**	**11**	**13**	**7.3**	--	**2,200**	--	--	--	--	--	--	--	--	
VEW-1	11/17/1997	5-15	24.52	12.42	0.00	0.00	12.10	**4,900**	--	--	--	**590**	**4.1**	**14**	**4.6**	--	**1,000**	--	--	--	--	--	--	--	--	
VEW-1	1/12/1998	5-15	24.52	11.60	0.00	0.00	12.92	**4,100**	--	--	--	**490**	**3.7**	**9.0**	**9.8**	--	**1,000**	--	--	--	--	--	--	--	--	
VEW-1	4/7/1998	5-15	24.52	8.28	0.00	0.00	16.24	**4,600**	--	--	--	**640**	**3.7**	**8.7**	**12**	--	**1,600**	--	--	--	--	--	--	--	--	
VEW-1	7/6/1998	5-15	24.52	9.52	0.00	0.00	15.00	**5,700**	--	--	--	**180**	**100**	**30**	**130**	--	**3,400**	--	--	--	--	--	--	--	--	
VEW-1	11/13/1998	5-15	24.52	11.15	0.00	0.00	13.37	**4,400**	--	--	--	**310**	**3.7**	**10**	**12**	--	**770**	--	--	--	--	--	--	--	--	
VEW-1	1/11/1999	5-15	24.52	11.35	0.00	0.00	13.17	**4,600**	--	--	--	**420**	**22**	**17**	**45**	--	**1,700**	--	--	--	--	--	--	--	--	
VEW-1	6/7/1999	5-15	24.52	10.92	0.00	0.00	13.60	**4,800**	--	--	--	**440**	**5.0**	**14**	**16**	--	**870**	--	--	--	--	--	--	--	--	
VEW-1	7/14/1999	5-15	24.52	11.10	0.00	0.00	13.42	**3,900**	--	--	--	**250**	**5.5**	**8.3**	**12**	--	**1,300**	--	--	--	--	--	--	--	--	
VEW-1	10/20/1999	5-15	24.52	12.10	0.00	0.00	12.42	**6,600**	--	--	--	**440**	**10**	**18**	**20**	--	**1,200**	--	--	--	--	--	--	--	--	
VEW-1	1/5/2000	5-15	24.52	12.39	0.00	0.00	12.13	**5,900**	--	--	--	**330**	**5.0**	**12**	**14**	--	**890**	--	--	--	--	--	--	--	--	
VEW-1	5/12/2000	5-15	24.52	14.05	0.00	0.00	10.47	**4,300**	--	--	--	**200**	**6.8**	**33**	**41**	--	**990**	--	--	--	--	--	--	--	--	
VEW-1	8/3/2000	5-15	24.52	14.21	0.00	0.00	10.31	**3,300**	--	--	--	**160**	<0.30	**17**	**21**	--	**430**	--	--	--	--	--	--	--	--	
VEW-1	8/28/2000	5-15	24.52	10.45	0.00	0.00	14.07	**1,700**	--	--	--	**170**	**26**	**7.0**	**21**	--	**380**	--	--	--	--	--	--	--	--	
VEW-1	11/2/2000	5-15	24.52	12.13	0.00	0.00	12.39	**3,600**	--	--	--	**230**	**17**	**27**	**47**	--	**490**	--	--	--	--	--	--	--	--	
VEW-1	3/2/2001	5-15	24.52	8.97	0.00	0.00	15.55	**1,300**	--	--	--	**91**	**1.3**	**2.1**	**1.3**	**200**	--	**230**	--	--	<1.0	<1.0	<1.0	--	--	
VEW-1	5/29/2001	5-15	24.52	11.67	0.00	0.00	12.85	**3,200**	--	--	--	**220**	**3.6**	**4.1**	<5.0	**210**	--	<300	--	--	<5.0	<5.0	<5.0	--	--	
VEW-1	8/2/2001	5-15	24.52	11.50	0.00	0.00	13.02	**2,200**	--	--	--	**150**	**4.3**	**2.6**	**1.6**	**240**	--	**260**	--	--	**1.4**	<1.0	<1.0	--	--	
VEW-1	11/9/2001	5-15	24.52	--	0.00	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Enough Water to Sample
VEW-1	2/9/2002	5-15	24.53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry Well
VEW-1	5/10/2002	5-15	24.53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry Well
VEW-1	8/1/2002	5-15	24.53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry Well
VEW-1	11/7/2002	5-15	24.53	13.94	0.00	0.00	10.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Enough Water to Sample
VEW-1	1/17/2003	5-15	24.53	11.80	0.00	0.00	12.73	**690**	--	--	--	**4.6**	**0.60**	**1.4**	<1.0	**180**	--	**120**	--	--	<1.0	<1.0	<1.0	--	--	
VEW-1	5/9/2003	5-15	24.53	11.34	0.00	0.00	13.19	**1,500**	--	--	--	**9.0**	<2.0	**2.2**	<4.0	**89**	--	**88**	--	--	<5.0	<5.0	<5.0	--	--	
VEW-1	7/16/2003	5-15	24.53	12.19	0.00	0.00	12.34	**3,600**	--	--	--	**5.0**	<2.0	<2.0	<4.0	**150**	--	**92**	--	--	<5.0	<5.0	<5.0	--	--	
VEW-1	11/24/2003	5-15	24.53	12.95	0.00	0.00	11.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VEW-1	3/11/2004	5-15	24.53	12.70	0.00	0.00	11.83	**980**	--	--	--	<2.0	<2.0	<2.0	<4.0	**110**	--	**66**	--	--	<5.0	<5.0	<5.0	--	--	
VEW-1	6/2/2004	5-15	24.53	12.06	0.00	0.00	12.47	**1,000**	--	--	--	**4.8**	<2.0	<2.0	<4.0	**150**	--	**82**	--	--	<5.0	<5.0	<5.0	--	--	
VEW-1	9/14/2004	5-15	24.53	12.45	0.00	0.00	12.08	**760**	--	--	--	**18**	**22**	**9.5**	**34**	**130**	--	**110**	--	--	**1.3 J**	<5.0	<5.0	--	--	
VEW-1	11/30/2004	5-15	24.53	12.06	0.00	0.00	12.47	**840**	--	--	--	**4.0**	<2.0	<2.0	**1.0 J**	**180**	--	**200**	--	--	**1.8 J**	<5.0	<5.0	--	--	
VEW-1	2/18/2005	5-15	24.53	8.75	0.00	0.00	15.78	**160**	--	--	--	**12**	**6.0**	**11**	**8.6**	**16**	--	**12 J**	--	--	<0.25	<0.28	<0.33	--	--	Abandoned
VEW-1	11/30/2017	5-15	24.53	12.40	0.00	0.00	12.13	**130**	--	<45	--	<0.50	<0.50	<0.50	<0.50	**3.0**	--	**53**	--	<0.50	<0.50	<0.50	<0.50	<50	<1.0	
VEW-1	2/8/2018	5-15	24.53	12.19	0.00	0.00	12.34	**49 J**	--	**88*** **	--	<0.14	<0.24	<0.14	<0.23	**2.1**	--	**22**	--	<0.24	<0.33	<0.44	<0.22	<50	<2.5	
VEW-1	6/1/2018	5-15	24.53	11.76	0.00	0.00	12.77	<48	--	**89*** **	**180**	<0.14	<0.24	<0.14	<0.23	**0.91 J**	--	<4.6	--	<0.24	<0.33	<0.44	<0.22	<50	<5.0	
VEW-1	8/22/2018	5-15	24.53	12.19	0.00	0.00	12.34	**97**	--	**130*** **	**11,000**	<3.0	<2.9	<2.6	<2.7	**4.6 J**	--	<33	--	<3.2	<2.7	<2.7	<2.5	<540	<51	
VEW-1	12/20/2018	5-15	24.53	12.16	0.00	0.00	12.37	**120**	--	**50**	**2,500**	**0.16 J**	<0.13	<0.14	<0.15	**6.2**	--	**95**	<0.27	<0.19	**0.22 J**	<0.12	<0.13	<53	<5.1	
VEW-1	2/4/2019	5-15	24.53	9.25	0.00	0.00	15.28	**47 J**	**3300**	**19 J**	**3,600**	<1.0	<1.0	<1.0	<1.0	**2.8**	--	**35**	<1.0	<0.50	<2.0	<2.0	<2.0	<100	<10	
MW-23S	12/21/2018	12-15	27.35	11.90	0.00	0.00	15.45	<48	<16	<16	<43	<0.14	<0.13	<0.14	<0.15	<0.16	--	<3.1	<0.27	<0.19	<0.16	<0.12	<0.13	<53	<5.1	
MW-23S	2/5/2019	12-15	27.35	10.01	0.00	0.00	17.34	<50	<50	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0	--	<10	<1.0	<0.50	<2.0	<2.0	<2.0	<100	<10	
MW-23M	12/21/2018	19-22	27.41	11.93	0.00	0.00	15.48	<48	<16	<16	<43	<0.14	<0.13	<0.14	<0.15	<0.16	--	<3.1	<0.27	<0.19	<0.16	<0.12	<0.13	<53	<5.1	
MW-23M	2/5/2019	19-22	27.41	10.22	0.00	0.00	17.19	<50	<50	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0	--	<10	<1.0	<0.50	<2.0	<2.0	<2.0	<100	<10	
MW-23D	12/21/2018	26-29	27.39	11.90	0.00	0.00	15.49	<48	**16 J**	<16	<42	<0.14	<0.13	<0.14	<0.15	<0.16	--	<3.1	<0.27	<0.19	<0.16	<0.12	<0.13	<53	<5.1	
MW-23D	2/5/2019	26-29	27.39	9.94	0.00	0.00	17.45	<50	<48	<48	<48	<1.0	<1.0	<1.0	<1.0	<1.0	--	<10	<1.0	<0.50	<2.0	<2.0	<2.0	<100	<10	
MW-24S	12/21/2018	12-15	27.99	13.04	0.00	0.00	14.95	**130**	**35 J**	**52**	**100**	**2.2**	**2.1**	**0.80 J**	**12**	**<0.16**	--	**6.0 J**	<0.27	<0.19	<0.16	<0.12	<0.13	<53	<5.1	
MW-24S	2/5/2019	12-15	27.99	11.91	0.00	0.00	16.08	**390**	**30 J**	**110**	**270**	**2.8**	**0.35 J**	**9.6**	**1.6 JA**	<1.0	--	<10	<1.0	<0.50	<2.0	<2.0	<2.0	<100	<10	
MW-24M	12/21/2018	19-22	28.01	13.02	0.00	0.00	14.99	**1,000**	**51**	**510**	**780**	**18**	**24**	**34**	**190**	<0.16	--	**68**	<0.27	<0.19	<0.16	<0.12	<0.13	<53	**24**	
MW-24M	2/5/2019	19-22	28.01	11.92	0.00	0.00	16.09	**1,000**	**56**	**47 J**	**150**	**12**	**0.35 J**	**30**	**4.5**	<1.0	--	**84**	<1.0	<0.50	<2.0	<2.0	<2.0	<100	**16**	

Well ID	Sample Date	Screen Interval (ft bTOC)	TOC (ft)	DTW (ft bTOC)	PSH thickness (ft)	PSH recovered (gal)	GW Elev (ft)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-d w/SGC (µg/L)	TPH-Jet A (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8260B) (µg/L)	MTBE (8021) (µg/L)	TBA (µg/L)	EDB (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Naphthalene	Comments
MW-24D	12/21/2018	26-29	28.02	13.38	0.00	0.00	14.64	**400**	**24 J**	**150**	**240**	**17**	**9.6**	**16**	**38**	<0.16	**--**	**41**	<0.27	<0.19	<0.16	<0.12	<0.13	<53	**5.5 J**	
MW-24D	2/5/2019	26-29	28.02	12.25	0.00	0.00	14.64	**400**	**28 J**	**34 J**	**160**	**13**	**2.5**	**6.1**	**11**	<1.0	**--**	**49**	<1.0	**2.4**	<2.0	<2.0	<2.0	<100	<10	

Notes:

MW = Groundwater monitoring well
TOC = Top of casing
DTW = Depth to groundwater
ft bTOC = Feet below top of casing
ft = Feet
PSH = Phase separate hydrocarbons
GW Elev = Groundwater elevation
µg/L = Micrograms per liter
<50 = Not detected at or above the Practical Quantitation Limit (PQL)
DRY = Dry well
-- = Not sampled/not measured
Bold = Value exceeds Practical Quantitation Limit (PQL)

TPH-g = Total petroleum hydrocarbons as gasoline was analyzed by USEPA Method 8015B(M)
TPH-g,TPH-Jet A and TPH-d were analyzed by USEPA Method 8015B(M)
Benzene, toluene, ethylbenzene and total xylenes (collectively BTEX) was analyzed by USEPA Method 8260B
MTBE = Methyl tert-butyl ether
TBA = Tert-butanol or tertiary butyl alcohol
EDB = 1,2-Dibromoethane
EDC = 1,2-Dichloroethane
DIPE = Di-isopropyl ether
ETBE = Ethyl tert-butyl ether
TAME = Tert-amyl methyl ether
Ethanol
Naphthalene
J = Estimated value (between PQL and Method Detection Limit)
JA = Analyte positively identified but quantitation is an estimate
** Sample extraction is performed using the Micro-Extraction Environmental Protection Agency (EPA) Method 3511 protocols
*** Sample extraction is performed using Reduced Volume EPA Method 3510 protocols.
Data QA/QC by:AK 03/11/2019

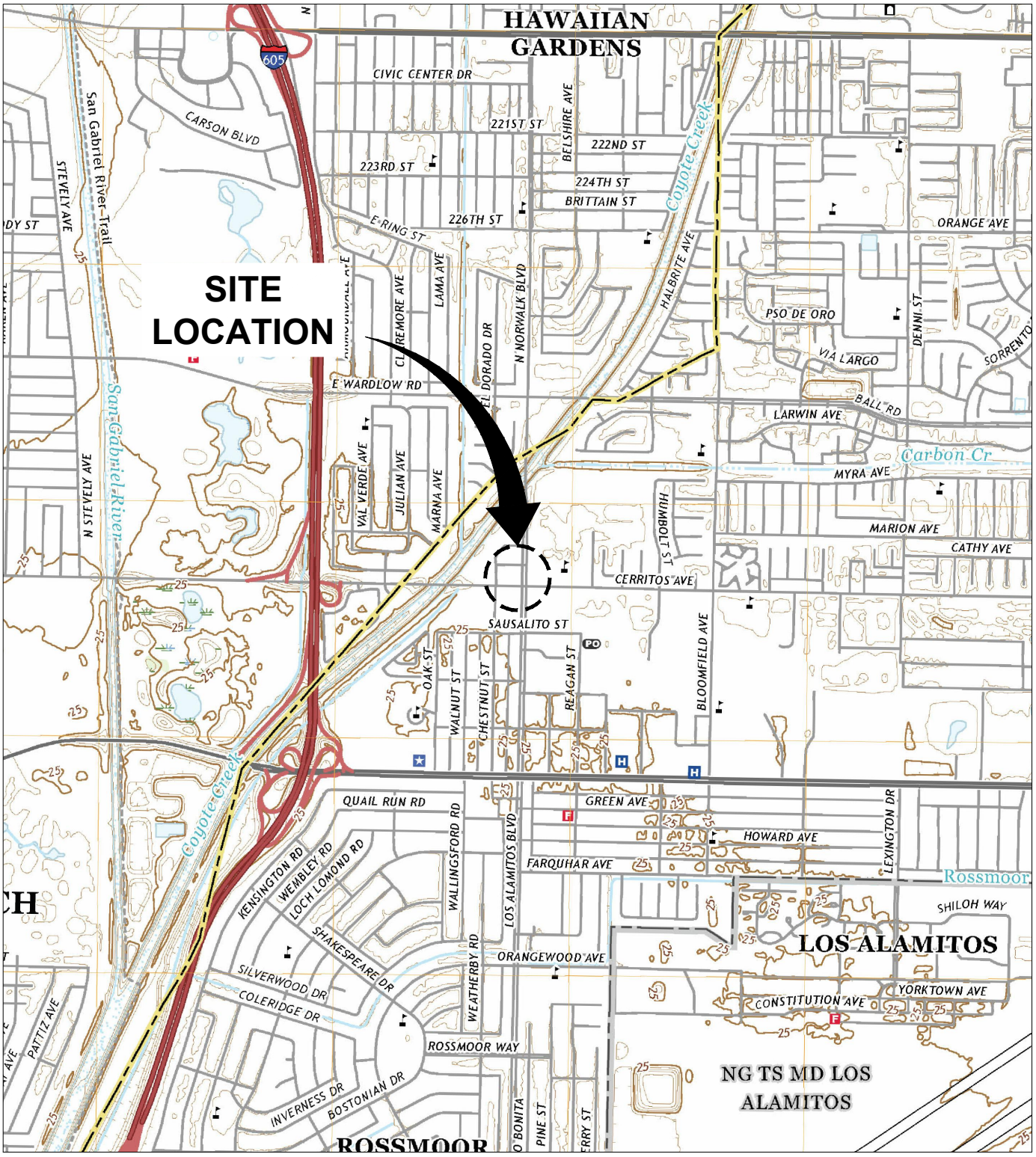
Table 4. Historical Carbon Chain Data
Fourth Quarter 2018 to current
Chevron Site No. 306600
3501 Cerritos Avenue, Los Alamitos, California

Well ID	Sample Date	C4-C5 Petroleum Hydrocarbons ug/L	C6 Petroleum Hydrocarbons ug/L	C7 Petroleum Hydrocarbons ug/L	C8 Petroleum Hydrocarbons ug/L	C9-C10 Petroleum Hydrocarbons ug/L	C11-C12 Petroleum Hydrocarbons ug/L	C13-C14 Petroleum Hydrocarbons ug/L	C15-C16 Petroleum Hydrocarbons ug/L	C17-C18 Petroleum Hydrocarbons ug/L	C19-C20 Petroleum Hydrocarbons ug/L	C21-C22 Petroleum Hydrocarbons ug/L	C23-C24 Petroleum Hydrocarbons ug/L	C25-C26 Petroleum Hydrocarbons ug/L	C27-C28 Petroleum Hydrocarbons ug/L	C29-C30 Petroleum Hydrocarbons ug/L	C31-C32 Petroleum Hydrocarbons ug/L	C33-C34 Petroleum Hydrocarbons ug/L	C35-C36 Petroleum Hydrocarbons ug/L	C37-C38 Petroleum Hydrocarbons ug/L	C39-C40 Petroleum Hydrocarbons ug/L	C4-C12 Petroleum Hydrocarbons, Gasoline ug/L	C13-C22 Petroleum Hydrocarbons, Diesel ug/L	C23-C40 Petroleum Hydrocarbons, Motot Oil ug/L	C13-C40 Petroleum Hydrocarbons ug/L
Shallow zone																									
MW-2	12/20/2018	**93**	**43 J**	**86**	**83**	**680**	**280**	**120**	**55**	**23 J**	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	**1,300**	**220**	<16	**230**
MW-2	2/4/2019	**94**	**36 J**	**98**	**68**	**200**	**510**	**150**	**59**	**29 J**	**22 J**	<47	<47	<47	<47	<47	<47	<47	<47	<47	<47	**1,000**	**270**	**17 J**	**290**
MW-5	12/21/2018	<15	<14	<15	<15	<15	<18	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	**34 J**	<16	<16	**22 J**
MW-5	2/4/2019	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	**21 J**	<50	<50	**17 J**
MW-6	12/20/2018	<15	<14	<15	<15	<15	<18	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<18	<16	<16	<16
MW-6	2/5/2019	<50	<50	<50	<50	<50	<50	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<50	<45	<45	<45
MW-7	12/20/2018	<15	<14	<15	<15	<15	<18	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	**27 J**	<16	**17 J**	**26 J**
MW-7	2/5/2019	<50	<50	<50	<50	<50	<50	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<50	<49	<49	<49
MW-13	12/21/2018	<15	<14	<15	<15	<15	<18	**17 J**	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<18	**44 J**	**19 J**	**63**
MW-13	2/5/2019	<50	<50	<50	<50	<50	<50	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	**21 J**	**31 J**	<45	**37 J**
MW-14	12/21/2018	**810**	**2,900**	**960**	**1,600**	**1,500**	**650**	**200 J**	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	**8,400**	**240 J**	<80	**240 J**
MW-14 (DUP)	12/21/2018	**820**	**2,900**	**950**	**1,500**	**1,400**	**600**	**160 J**	<78	<78	<78	<78	<78	<78	<78	<78	<78	<78	<78	<78	<78	**8,200**	**170 J**	<78	**180 J**
MW-14	2/4/2019	**5,700**	**8,100**	**1,800**	**3,100**	**1,200**	**3,100**	**190**	**19 J**	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	**23,000**	**220**	<50	**220**
MW-14 (DUP)	2/4/2019	**3,400**	**4,900**	**1,100**	**1,900**	**850**	**2,000**	**190**	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	**14,000**	**210**	<49	**210**
MW-15	12/20/2018	**1,100**	**3,000**	**200**	**490**	**630**	**270**	**160**	**71**	**23 J**	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	**5,700**	**260**	<16	**270**
MW-15	2/5/2019	**1,100**	**2,100**	**180**	**270**	**250**	**500**	**55**	<47	<47	<47	<47	<47	<47	<47	<47	<47	<47	<47	<47	<47	**4,400**	**77**	<47	**85**
MW-16	12/21/2018	**1,900**	**3,700**	**290**	**1,500**	**1,300**	**410**	**150**	**47 J**	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	**9,100**	**220**	<16	**230**
MW-16 (DUP)	12/21/2018	**2,200**	**3,200**	**340**	**1,300**	**1,200**	**380**	**160**	**58**	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	**8,600**	**240**	<16	**240**
MW-16	2/4/2019	**560**	**270**	**62**	**57**	**77**	**190**	**40 J**	<46	<46	<46	<46	<46	<46	<46	<46	<46	<46	<46	<46	<46	**1,200**	**47**	<46	**49**
MW-16 (DUP)	2/4/2019	**650**	**320**	**71**	**67**	**84**	**220**	**43 J**	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	**1,400**	**49 J**	<50	**53**
MW-17	12/20/2018	**540**	**560**	**110**	**63**	**250**	**160**	**75**	**21 J**	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	**1,700**	**110**	<16	**120**
MW-17	2/4/2019	**530**	**300**	**87**	**35 J**	**83**	**100**	**50 J**	**16 J**	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	**1,100**	**76**	<50	**79**
MW-18	12/20/2018	**71**	**24 J**	**15 J**	**16 J**	**100**	**68**	**34 J**	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	**290**	**49 J**	**29 J**	**78**
MW-18	2/4/2019	**15 J**	<50	<50	<50	<50	<50	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	**53**	<45	<45	<45
MW-19	12/21/2018	**6,200**	**18,000**	**910 J**	**1,700 J**	**1,600 J**	**1,100 J**	**200 J**	<77	<77	<77	<77	<77	<77	<77	<77	<77	<77	<77	<77	<77	**30,000**	**250**	<77	**250**
MW-19	2/4/2019	**14,000**	**21,000**	**2,200**	**2,100**	**1,200**	**2,000**	**280**	**74**	**25 J**	**16 J**	<47	<47	<47	<47	<47	<47	<47	<47	<47	<47	**43,000**	**410**	<47	**410**
MW-20	12/21/2018	**3,800**	**6,500**	**650**	**2,100**	**1,800**	**960**	**200**	**170**	**49 J**	**16 J**	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	**16,000**	**440**	<16	**440**
MW-20	2/4/2019	**460**	**630**	**64**	**190**	**66**	**140**	**290**	**57**	**18 J**	<47	<47	<47	<47	<47	<47	<47	<47	<47	<47	<47	**1,600**	**370**	<47	**370**
MW-21S	12/21/2018	**50**	**53**	**23 J**	**28 J**	**47 J**	**30 J**	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	**230**	<16	<16	<16
MW-21S	2/4/2019	**40 J**	**27 J**	**29 J**	**19 J**	**20 J**	**39 J**	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	**170**	<50	<50	**25 J**
MW-22	12/21/2018	<15	<14	<15	<15	<15	<18	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<18	<16	<16	<16
MW-22	2/5/2019	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
MW-23S	12/21/2018	<15	<14	<15	<15	<15	<18	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<18	<16	**18 J**	**31 J**
MW-23S	2/5/2019	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
MW-23M	12/21/2018	<15	<14	<15	<15	<15	<18	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<18	<16	**23 J**	**32 J**
MW-23M	2/5/2019	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
MW-24S	12/21/2018	**17 J**	**23 J**	<15	**18 J**	**43 J**	**22 J**	**25 J**	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	**130**	**35 J**	<16	**41 J**
MW-24S	2/5/2019	**41 J**	**61**	**31 J**	**25 J**	**99**	**140**	**19 J**	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	**390**	**30 J**	<50	**42 J**
MW-24M	12/21/2018	**180**	**180**	**84**	**170**	**300**	**130**	**43 J**	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	**1,000**	**51**	<15	**56**
MW-24M	2/5/2019	**250**	**210**	**91**	**72**	**150**	**270**	**36 J**	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	**1,000**	**56**	<49	**58**
RMC-5	12/20/2018	**100**	**21 J**	**23 J**	**31 J**	**280**	**140**	**320**	**54**	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	**600**	**410**	<16	**410**
RMC-5	2/4/2019	**280**	**49 J**	**78**	**61**	**150**	**350**	**120**	**29 J**	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	**970**	**160**	<49	**170**
RMC-6	12/21/2018	<15	<14	<15	<15	<15	<18	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<18	**30 J**	<15	**39 J**
RMC-6	2/4/2019	**45 J**	**38 J**	<50	**17 J**	**29 J**	**30 J**	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	**170**	**24 J**	**20 J**	**43 J**
RMC-7	12/21/2018	**36 J**	<14	<15	<15	**51**	**24 J**	**96**	**58**	**33 J**	**21 J**	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	**140**	**220**	**33 J**	**260**
RMC-7	2/4/2019	**22 J**	<50	<50	<50	<50	**53**	**97**	**57**	**29 J**	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	**120**	**210**	<50	**210**
VEW-1	12/20/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VEW-1	2/4/2019	<50	<50	<50	<50	<50	**23 J**	**43 J**	**3,300**	<46	<46	<46	<46	<46	<46	<46	<46	<46	<46	<46	<46	**47 J**	**3,300**	**32 J**	**3,400**
Deep Zone																									
MW-1	12/20/2018	<15	<14	<15	<15	<15	<18	**47 J**	**36 J**	**31 J**	**22 J**	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	**22 J**	**150**	**24 J**	**170**
MW-1	2/4/2019	<50	<50	<50	<50	<50	<50	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<50	**32 J**	<49	**42 J**
MW-14D	12/20/2018	<15	<14	<15	<15	<15	<18	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	**33 J**	**42 J**	<15	**55**
MW-14D	2/4/2019	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	**39 J**	**42 J**	<50	**47 J**
MW-15D	12/20/2018	**16 J**	**24 J**	<15	<15	**15 J**	<18	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	**78**	**30 J**	<15	**42 J**
MW-15D	2/4/2019	<50	<50	<50	<50	<50	<50	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<50	**20 J**	<49	**21 J**
MW-16D	12/20/2018	**270**	**220**	**49 J**	**25 J**	**200**	**150**	**58**	**27 J**	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	**920**	**100**	<16	**110**
MW-16D	2/4/2019	**890**	**2,400**	**150 J**	<500	<500	**410 J**	**130**	**41 J**	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	**4,100**	**200**	<48	**200**
MW-17D	12/20/2018	<15	<14	<15	<15	<15	<18	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	**32 J**	<16	<16	**21 J**
MW-17D	2/4/2019	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
MW-18D	12/20/2018	**15 J**	<14	<15	<15	**39 J**	**29 J**	**48 J**	**28 J**	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	**91**	**89**	<16	**96**
MW-18D	2/4/2019	**22 J**	<50	<50	<50	<50	**45 J**	**42 J**	**27 J**	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	**92**	**83**	<50	**86**
MW-21D	12/21/2018	<15	<14	<15	<15	<15	<18	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<18	<16	<16	<16
MW-21D	2/4/2019	<50	<50	<50	<50	<50	<50	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<50	<48	<48	**15 J**
MW-23D	12/21/2018	<15	<14	<15	<15	<15	<18	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<18	**16 J**	**32 J**	**48 J**
MW-23D	2/5/2019	<50	<50	<50	<50	<50	<50	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<50	<48	<48	**20 J**
MW-24D	12/21/2018	**80**	**78**	**36 J**	**53**	**95**	**54**	**16 J**	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	**400**	**24 J**	<16	**33 J**
MW-24D	2/5/2019	**120**	**90**	**44 J**	**38 J**	**42 J**	**72**	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	**410**	**28 J**	<49	**31 J**

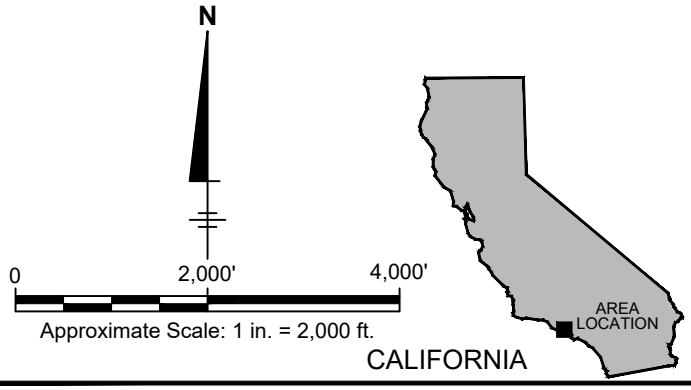
Notes:

MW = Groundwater monitoring well
µg/L = Micrograms per liter
<14 = Not detected at or above the Practical Quantitation Limit (PQL)
Bold = Value exceeds Practical Quantitation Limit (PQL)
-- = Not sampled/not measured
J = Estimated value (between laboratory reporting limit and Practical Quantitation Limit (PQL)

FIGURES



SOURCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., LOS ALAMITOS, CA, 2018



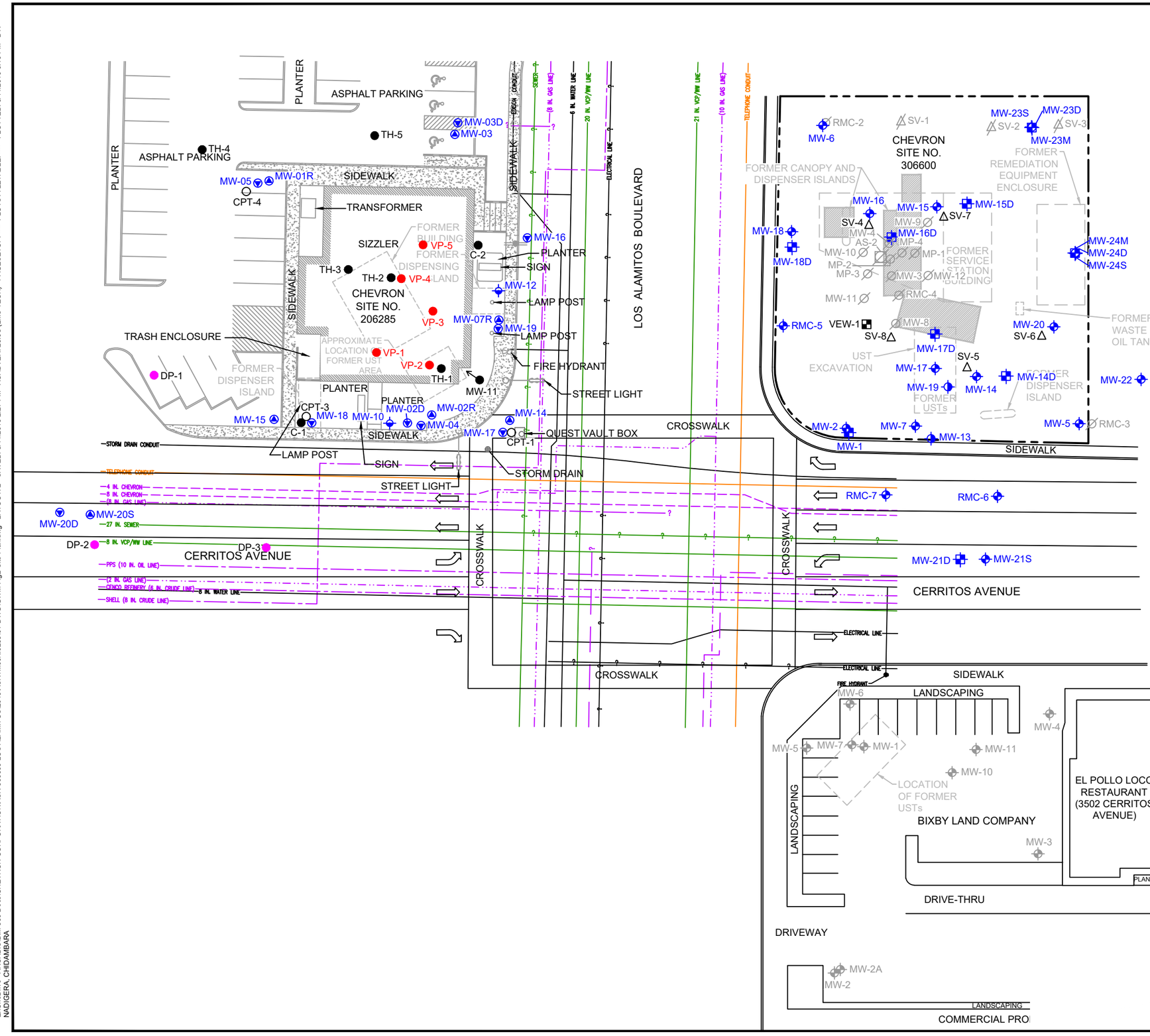
CHEVRON FACILITY NO. 306600
3501 CERRITOS AVENUE
LOS ALAMITOS, CALIFORNIA

SITE LOCATION MAP

ARCADIS Design & Consultancy for natural and built assets

FIGURE 1

CITY: SAN RAFAEL, CA DIV/GROUP: ENVCAD DB: J. HARRIS
E:\OneDrive - ARCADIS\BIM 360 Docs\CHEVRON CORPORATION\ASR-306600 LOS ALAMITOS\2019\ASRTM0JK.6285\01-DWG\GWM-Fig1-SLM.dwg LAYOUT: 1 SAVED: 3/7/2019 6:10 PM ACADVER: 23.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 3/14/2019 3:27 PM
BY: NADIGERA, CHIDAMBARA



LEGEND

- CHEVRON SITE NO. 306600 PROPERTY BOUNDARY
- MARCH-APRIL 2005 EXCAVATION BOUNDARIES (BACKFILLED WITH CONCRETE)
- MW-5 — CHEVRON SITE NO. 306600 GROUNDWATER MONITORING WELL (SHALLOW ZONE)
- MW-14D — CHEVRON SITE NO. 306600 GROUNDWATER MONITORING WELL (DEEP ZONE)
- MW-19 — CHEVRON SITE NO. 306600 GROUNDWATER MONITORING/EXTRACTION WELL (SHALLOW ZONE)
- MW-01R — CHEVRON SITE NO. 206285 GROUNDWATER MONITORING WELL (UPPER ZONE)
- MW-02D — CHEVRON SITE NO. 206285 GROUNDWATER MONITORING WELL (LOWER ZONE)
- MW-10 — CHEVRON SITE NO. 206285 TWO-PHASE EXTRACTION WELL (UPPER ZONE)
- MW-6 — ABANDONED WELL (ENVIRON ENVIRONMENTAL)
- VEW-1 — VAPOR EXTRACTION WELL
- ABANDONED AIR SPARGE WELL
- ABANDONED WELL
- ABANDONED SOIL VAPOR PROBE
- SOIL VAPOR WELL
- SOIL BORING (ASSOCIATED SOILS INC., 1977)
- SOIL BORING (PIC, 1996)
- SOIL BORING (SAIC, 2009)
- SOIL BORING (SAIC, 2010)
- ANGLE SOIL BORING (SAIC, 2009)
- CPT SOUNDING (SAIC, 2004)
- UST — UNDERGROUND STORAGE TANK
- SEWER (VCP/WASTE WATER LINE)
- TELEPHONE LINE
- ELECTRICAL LINE
- WATER LINE
- CHEVRON GAS/OIL LINE (APPROXIMATE)
- SHELL/CENCO/PPS GAS/OIL LINE (APPROXIMATE)
- CHEVRON GAS/OIL LINE (APPROXIMATE)

N

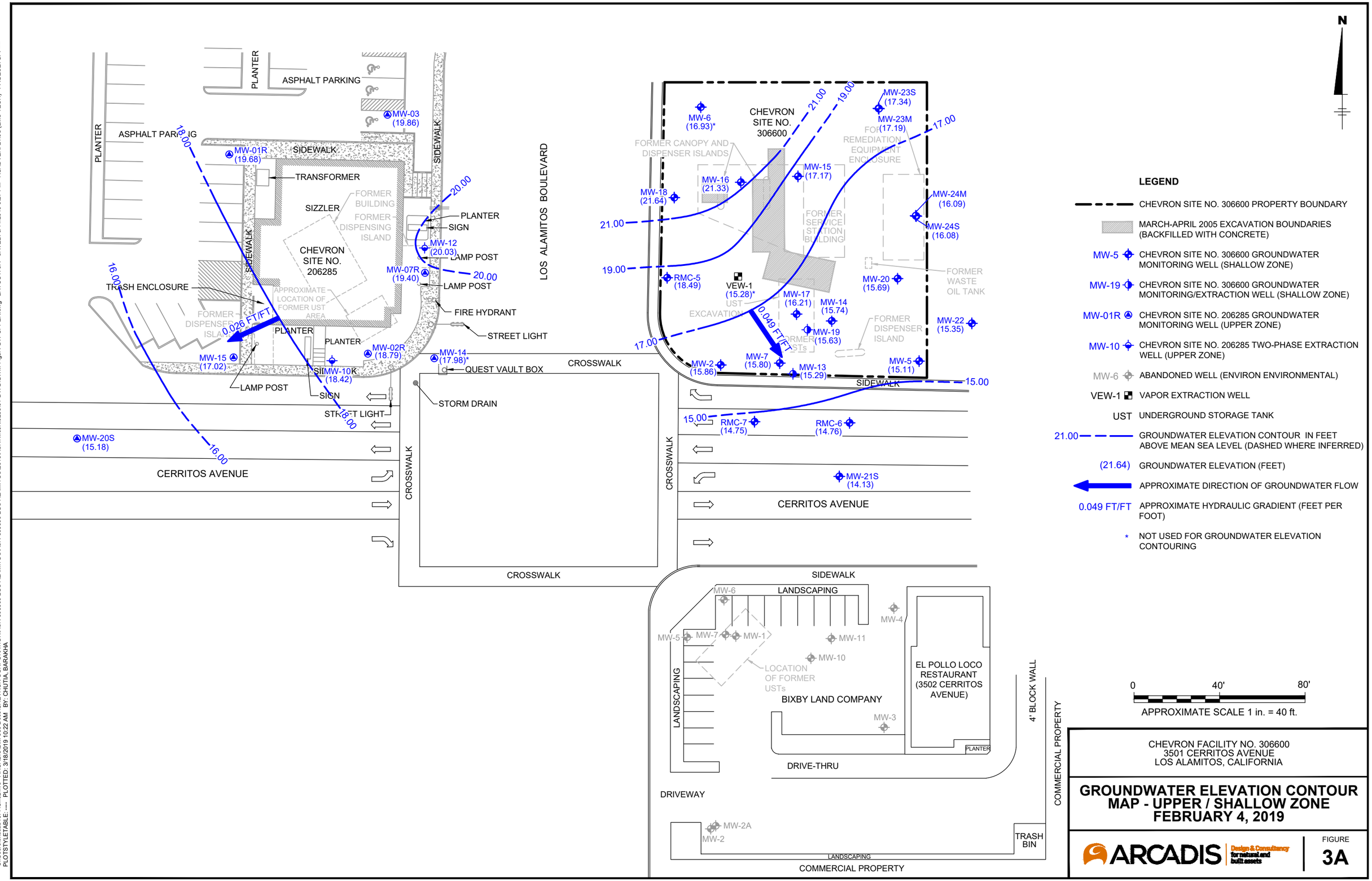
CHEVRON FACILITY NO. 306600
3501 CERRITOS AVENUE
LOS ALAMITOS, CALIFORNIA

SITE PLAN

ARCADIS Design & Consultancy for natural and built assets

FIGURE 2

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
E:\OneDrive - ARCADIS\BIM 360 Docs\CHEVRON CORPORATIONASR-306600 LOS ALAMITOS\2019\ASRTM\0JK.6285\01-DWG\GWM-Fig2-Site Plan.dwg LAYOUT: 2 SAVED: 3/14/2019 2:27 PM ACADVER: 23.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 3/14/2019 6:19 PM BY:
NADIGERA, CHIDAMBARA



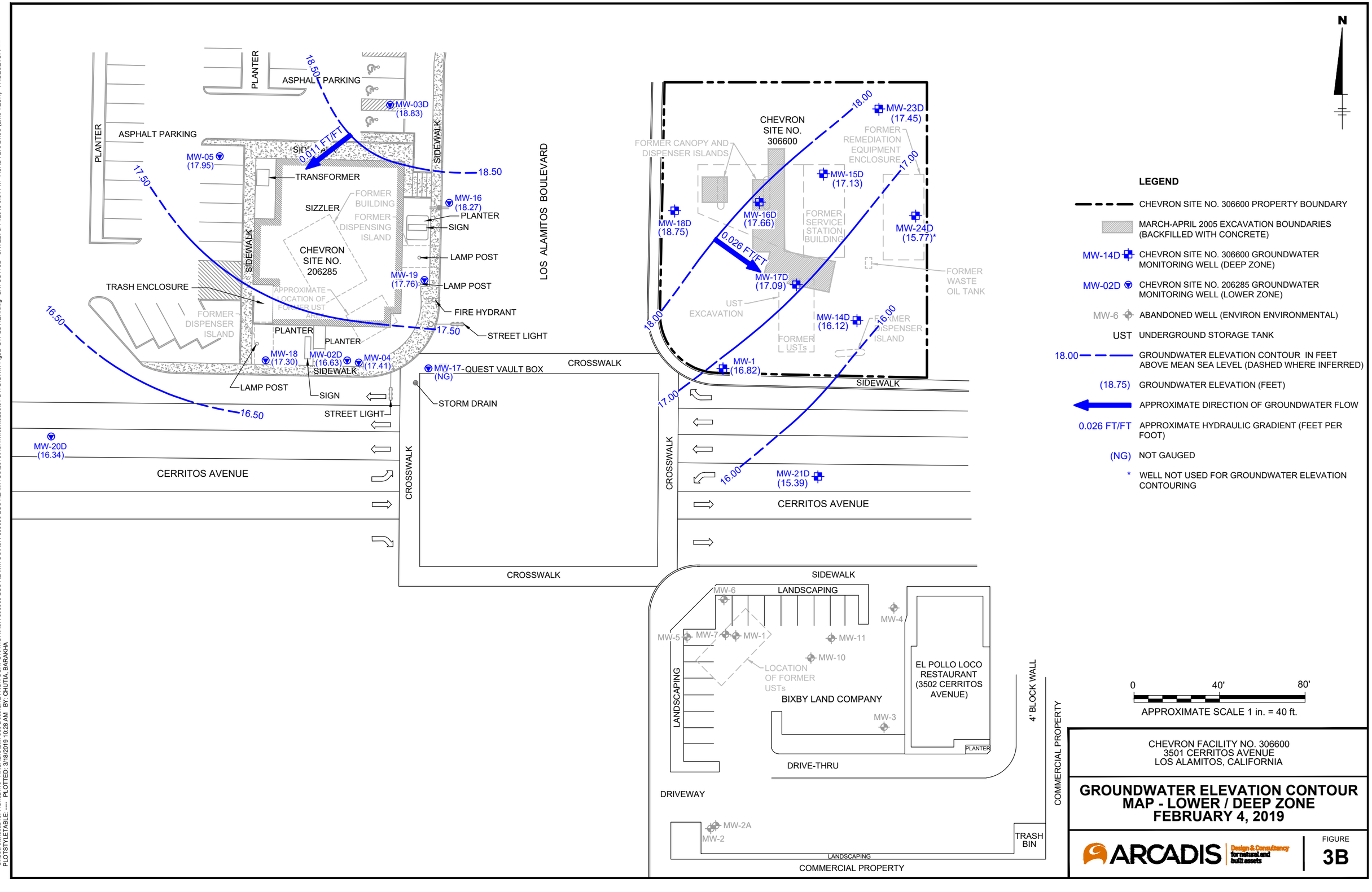
CHEVRON FACILITY NO. 306600
3501 CERRITOS AVENUE
LOS ALAMITOS, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP - UPPER / SHALLOW ZONE FEBRUARY 4, 2019

ARCADIS Design & Consultancy for natural and built assets

FIGURE
3A

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
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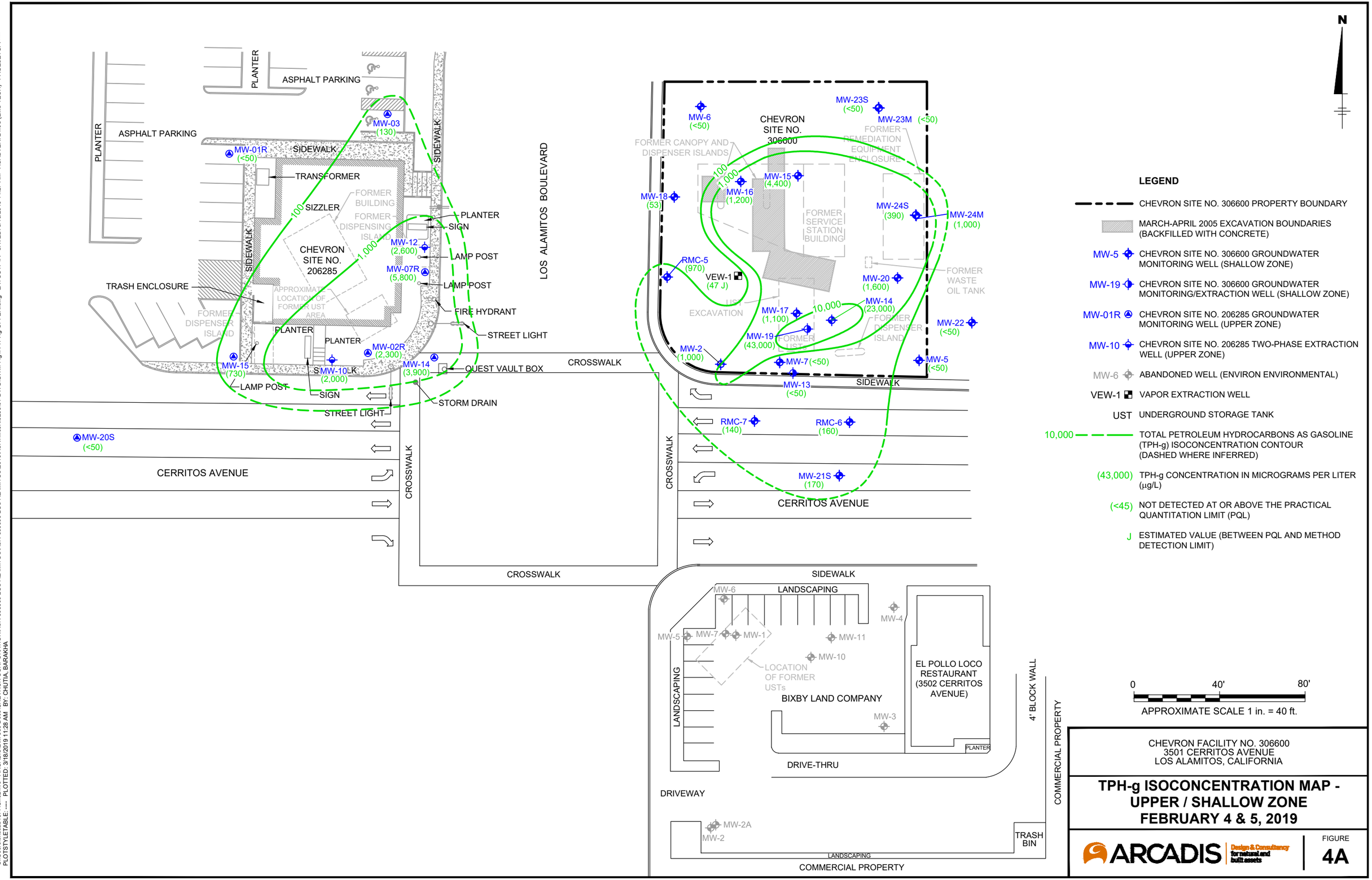
CHEVRON FACILITY NO. 306600
3501 CERRITOS AVENUE
LOS ALAMITOS, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP - LOWER / DEEP ZONE FEBRUARY 4, 2019

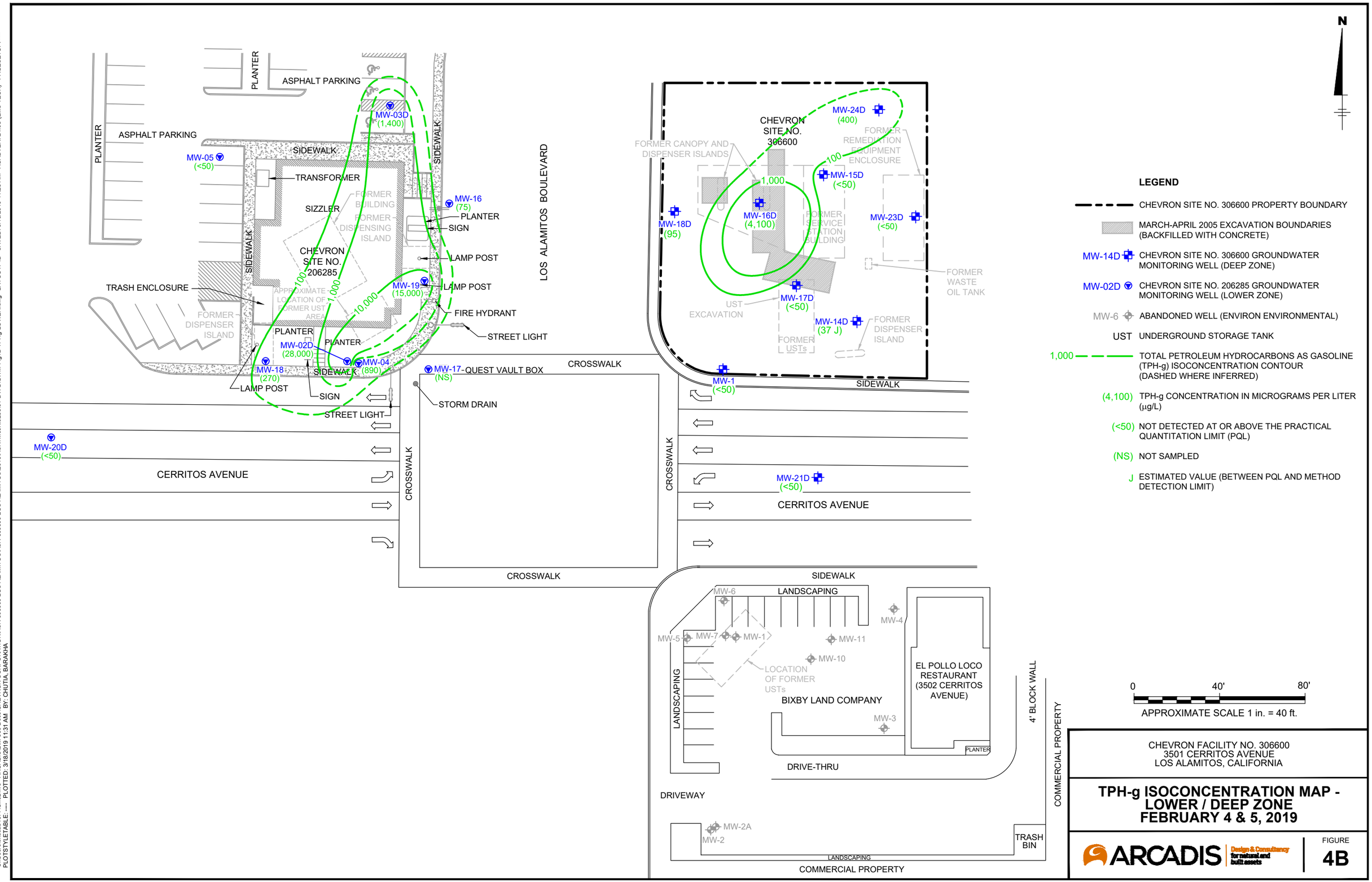
ARCADIS Design & Consultancy for natural and built assets

FIGURE 3B

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PLOTSTYLETABLE: ---- PLOTTED: 3/18/2019 10:28 AM BY: CHUTIA, BARAKHA



CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
C:\Users\chulab4677\OneDrive - ARCADIS\IBM 360 Docs\CHEVRON CORPORATIONASR-306600 LOS ALAMITOS\ASR-306600 LOS ALAMITOS\2019\ASRTM0JK.628501-DWG\GWM-Fig4A-TPHg-UPPER.dwg LAYOUT: 4A SAVED: 3/18/2019 11:27 AM ACADVER: 21.0S (LMS TECH) PAGESETUP: ----
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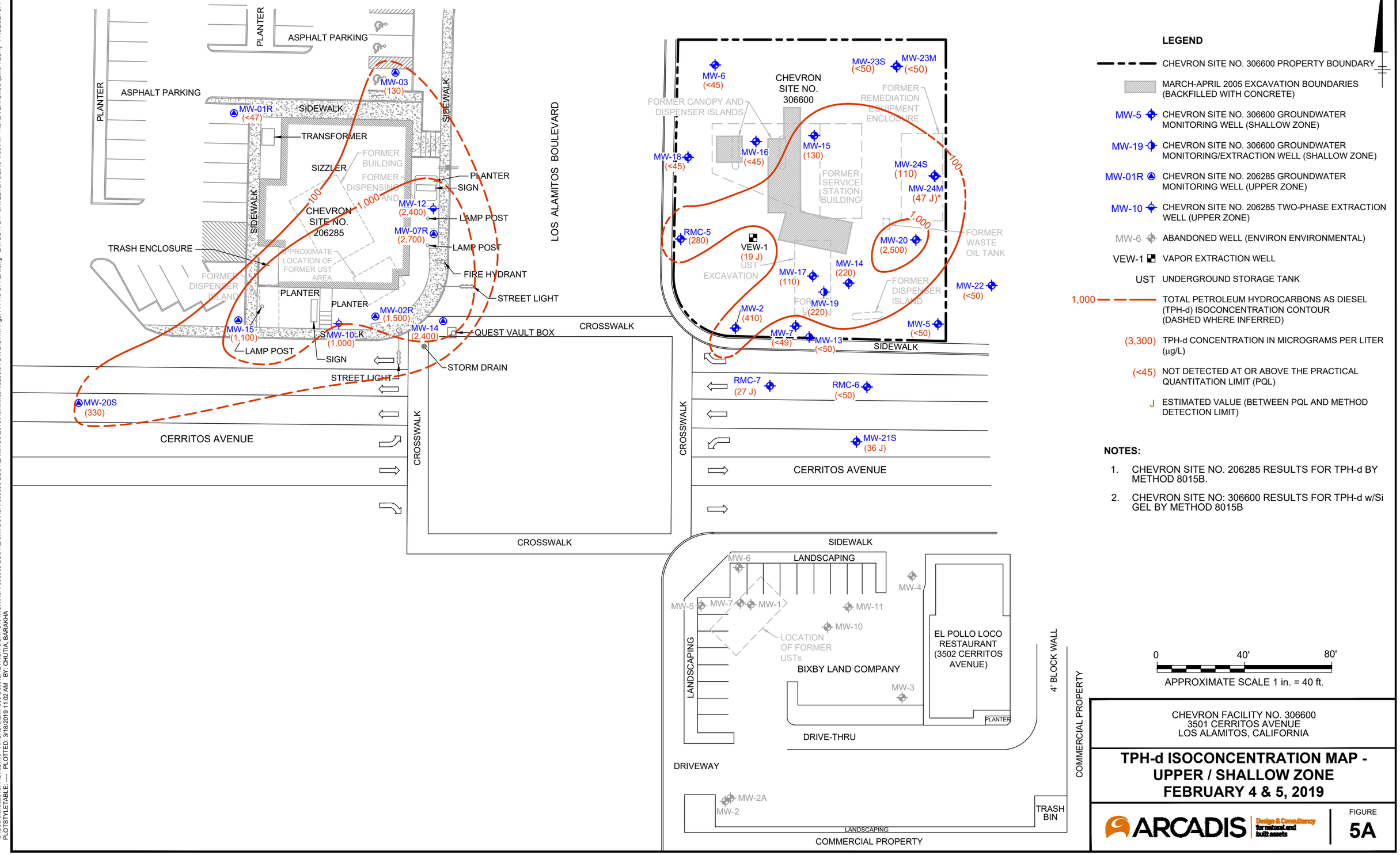
CHEVRON FACILITY NO. 306600
3501 CERRITOS AVENUE
LOS ALAMITOS, CALIFORNIA

TPH-g ISOCONCENTRATION MAP - LOWER / DEEP ZONE FEBRUARY 4 & 5, 2019

ARCADIS Design & Consultancy for natural and built assets

FIGURE 4B

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(OptION=*;OFF=*REF*
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PLOTSTYLETABLE: ---- PLOTTED: 3/18/2019 11:31 AM BY: CHUTIA, BARAKHA



LEGEND

- CHEVRON SITE NO. 306600 PROPERTY BOUNDARY
- MARCH-APRIL 2005 EXCAVATION BOUNDARIES (BACKFILLED WITH CONCRETE)
- MW-5 — CHEVRON SITE NO. 306600 GROUNDWATER MONITORING WELL (SHALLOW ZONE)
- MW-19 — CHEVRON SITE NO. 306600 GROUNDWATER MONITORING/EXTRACTION WELL (SHALLOW ZONE)
- MW-01R — CHEVRON SITE NO. 206285 GROUNDWATER MONITORING WELL (UPPER ZONE)
- MW-10 — CHEVRON SITE NO. 206285 TWO-PHASE EXTRACTION WELL (UPPER ZONE)
- MW-6 — ABANDONED WELL (ENVIRON ENVIRONMENTAL)
- VEW-1 — VAPOR EXTRACTION WELL
- UST — UNDERGROUND STORAGE TANK
- 1,000 — TOTAL PETROLEUM HYDROCARBONS AS DIESEL (TPH-d) ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)
- (3,300) — TPH-d CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
- (<45) — NOT DETECTED AT OR ABOVE THE PRACTICAL QUANTITATION LIMIT (PQL)
- J — ESTIMATED VALUE (BETWEEN PQL AND METHOD DETECTION LIMIT)

NOTES:

1. CHEVRON SITE NO. 206285 RESULTS FOR TPH-d BY METHOD 8015B.
2. CHEVRON SITE NO: 306600 RESULTS FOR TPH-d w/Si GEL BY METHOD 8015B

0 40' 80'

APPROXIMATE SCALE 1 in. = 40 ft.

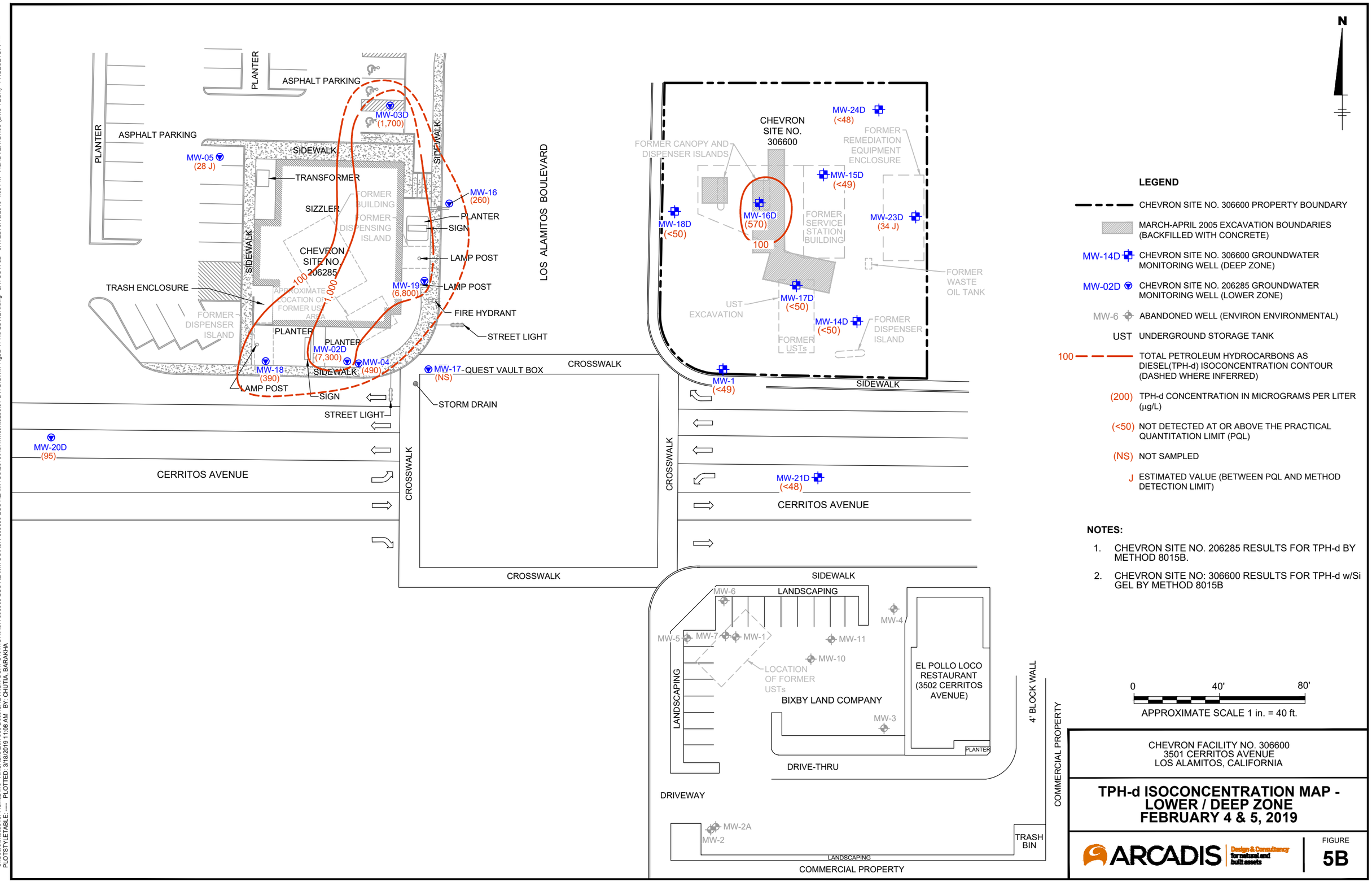
CHEVRON FACILITY NO. 306600
3501 CERRITOS AVENUE
LOS ALAMITOS, CALIFORNIA

TPH-d ISOCONCENTRATION MAP - UPPER / SHALLOW ZONE FEBRUARY 4 & 5, 2019

ARCADIS Design & Consultancy for natural and built assets

FIGURE 5A

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
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PLOTSTYLETABLE: ---- PLOTTED: 3/18/2019 11:02 AM BY: CHUTIA, BARAKHA



LEGEND

- CHEVRON SITE NO. 306600 PROPERTY BOUNDARY
- MARCH-APRIL 2005 EXCAVATION BOUNDARIES (BACKFILLED WITH CONCRETE)
- MW-14D — CHEVRON SITE NO. 306600 GROUNDWATER MONITORING WELL (DEEP ZONE)
- MW-02D — CHEVRON SITE NO. 206285 GROUNDWATER MONITORING WELL (LOWER ZONE)
- MW-6 — ABANDONED WELL (ENVIRON ENVIRONMENTAL)
- UST — UNDERGROUND STORAGE TANK
- 100 — TOTAL PETROLEUM HYDROCARBONS AS DIESEL(TPH-d) ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)
- (200) — TPH-d CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
- (<50) — NOT DETECTED AT OR ABOVE THE PRACTICAL QUANTITATION LIMIT (PQL)
- (NS) — NOT SAMPLED
- J — ESTIMATED VALUE (BETWEEN PQL AND METHOD DETECTION LIMIT)

NOTES:

1. CHEVRON SITE NO. 206285 RESULTS FOR TPH-d BY METHOD 8015B.
2. CHEVRON SITE NO: 306600 RESULTS FOR TPH-d w/Si GEL BY METHOD 8015B

0 40' 80'

APPROXIMATE SCALE 1 in. = 40 ft.

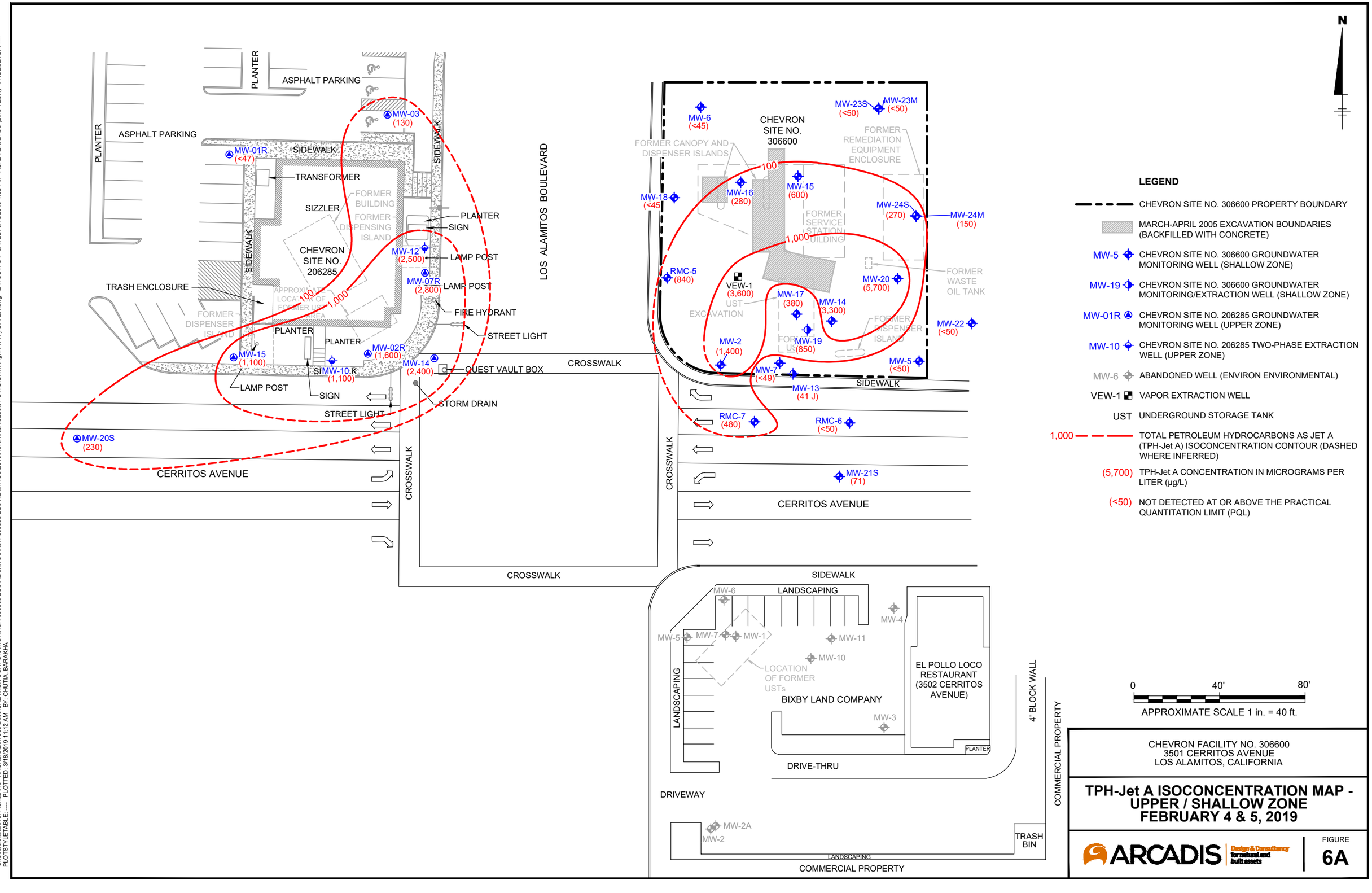
CHEVRON FACILITY NO. 306600
3501 CERRITOS AVENUE
LOS ALAMITOS, CALIFORNIA

TPH-d ISOCONCENTRATION MAP - LOWER / DEEP ZONE FEBRUARY 4 & 5, 2019

ARCADIS Design & Consultancy for natural and built assets

FIGURE 5B

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
C:\Users\schultab4677\OneDrive - ARCADIS\IBM 360 Docs\CHEVRON CORPORATION\ASR-306600 LOS ALAMITOS\ASR-306600 LOS ALAMITOS\2019\ASRTMXJK.628501-DWG\GWM-Fig5B-TPHd-LOWER.dwg LAYOUT: 5B SAVED: 3/15/2019 4:03 PM ACADVER: 21.0S (LMS TECH) PAGESETUP: ----
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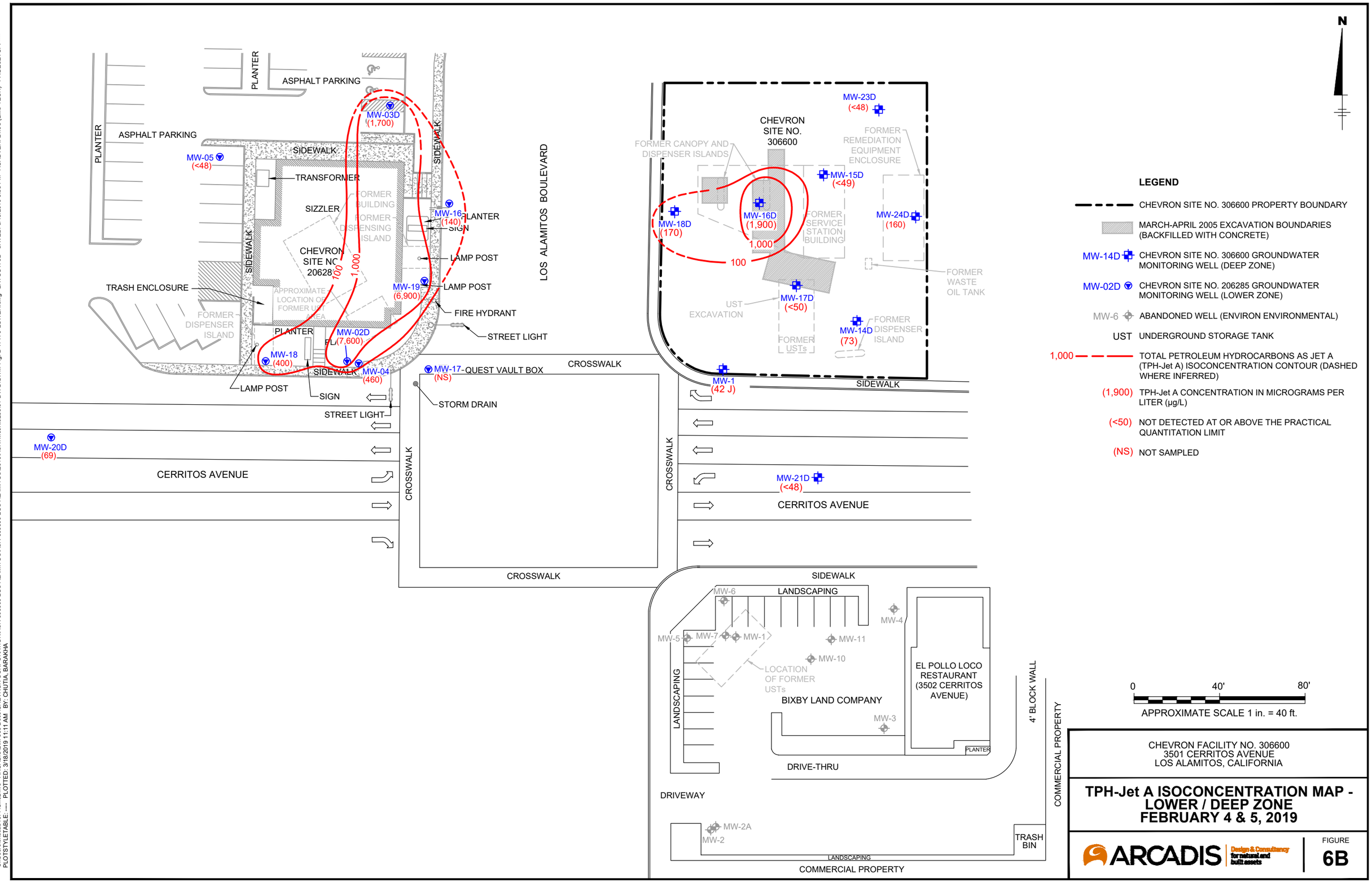
CHEVRON FACILITY NO. 306600
3501 CERRITOS AVENUE
LOS ALAMITOS, CALIFORNIA

TPH-Jet A ISOCONCENTRATION MAP - UPPER / SHALLOW ZONE FEBRUARY 4 & 5, 2019

ARCADIS Design & Consultancy for natural and built assets

FIGURE 6A

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
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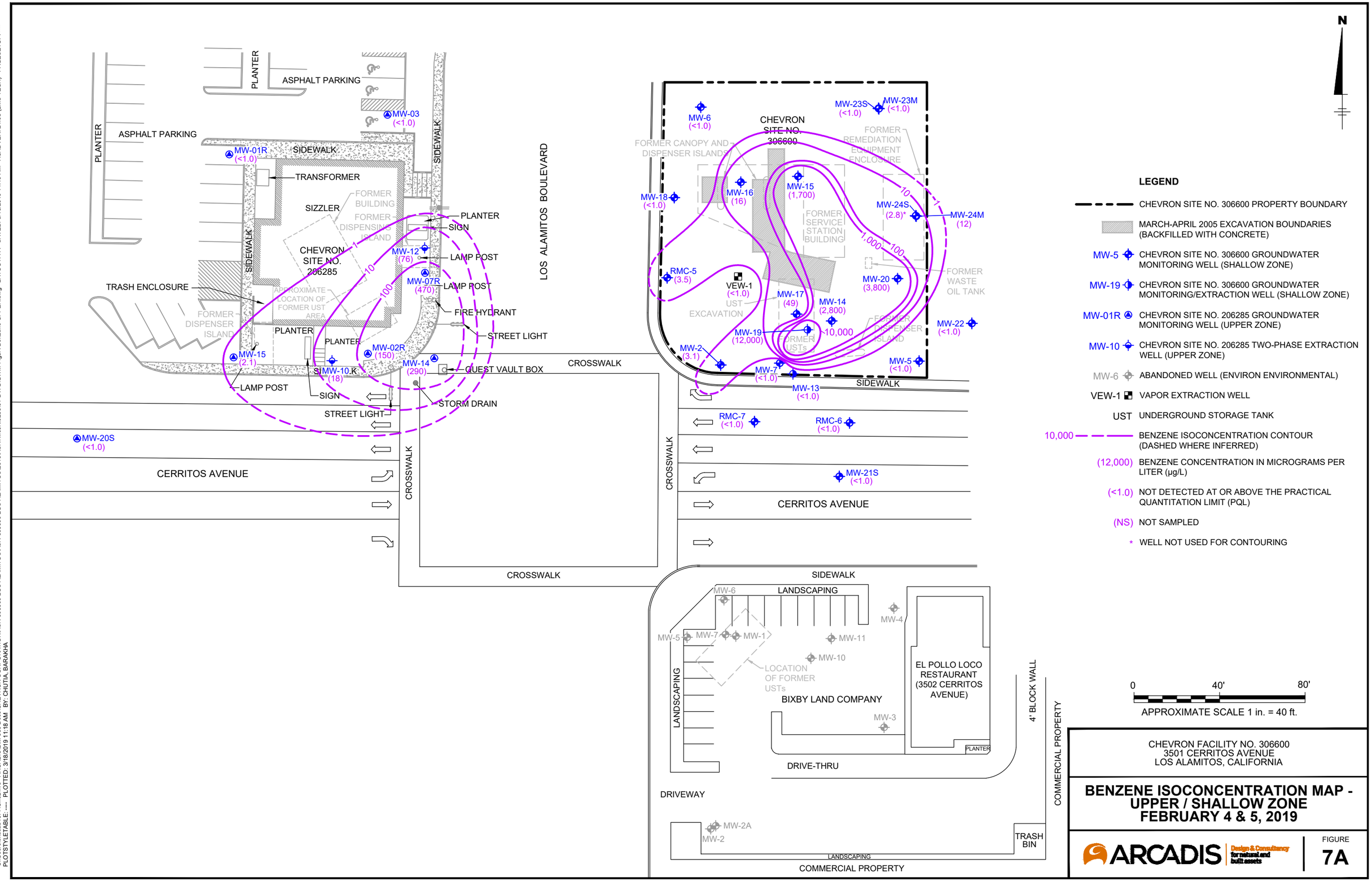
CHEVRON FACILITY NO. 306600
3501 CERRITOS AVENUE
LOS ALAMITOS, CALIFORNIA

TPH-Jet A ISOCONCENTRATION MAP - LOWER / DEEP ZONE FEBRUARY 4 & 5, 2019

ARCADIS Design & Consultancy for natural and built assets

FIGURE 6B

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
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LEGEND

- CHEVRON SITE NO. 306600 PROPERTY BOUNDARY
- MARCH-APRIL 2005 EXCAVATION BOUNDARIES (BACKFILLED WITH CONCRETE)
- MW-5 — CHEVRON SITE NO. 306600 GROUNDWATER MONITORING WELL (SHALLOW ZONE)
- MW-19 — CHEVRON SITE NO. 306600 GROUNDWATER MONITORING/EXTRACTION WELL (SHALLOW ZONE)
- MW-01R — CHEVRON SITE NO. 206285 GROUNDWATER MONITORING WELL (UPPER ZONE)
- MW-10 — CHEVRON SITE NO. 206285 TWO-PHASE EXTRACTION WELL (UPPER ZONE)
- MW-6 — ABANDONED WELL (ENVIRON ENVIRONMENTAL)
- VEW-1 — VAPOR EXTRACTION WELL
- UST — UNDERGROUND STORAGE TANK
- 10,000 — BENZENE ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)
- (12,000) — BENZENE CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
- (<1.0) — NOT DETECTED AT OR ABOVE THE PRACTICAL QUANTITATION LIMIT (PQL)
- (NS) — NOT SAMPLED
- * — WELL NOT USED FOR CONTOURING

0 40' 80'

APPROXIMATE SCALE 1 in. = 40 ft.

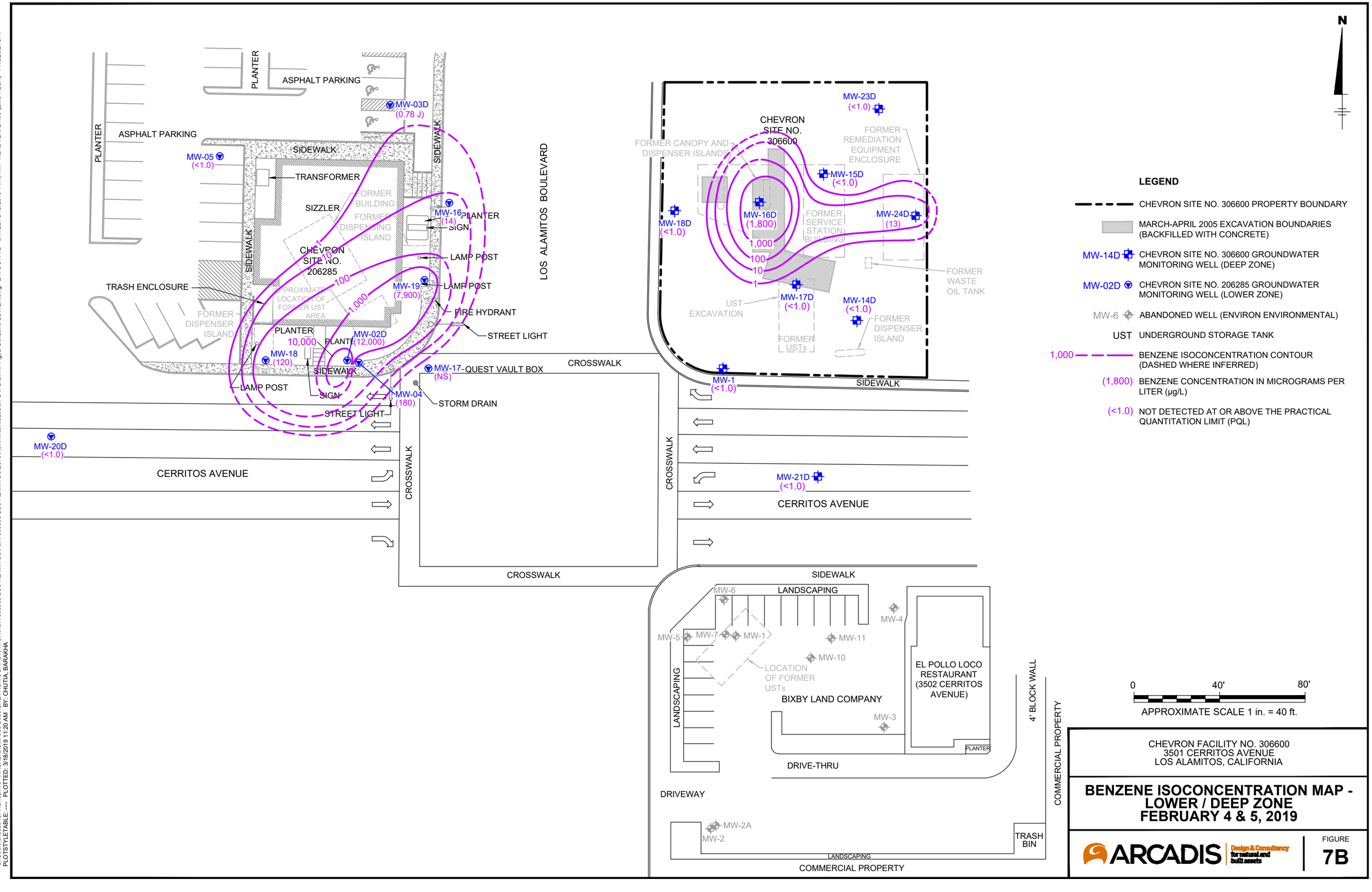
CHEVRON FACILITY NO. 306600
3501 CERRITOS AVENUE
LOS ALAMITOS, CALIFORNIA

BENZENE ISOCONCENTRATION MAP - UPPER / SHALLOW ZONE FEBRUARY 4 & 5, 2019

ARCADIS Design & Consultancy for natural and built assets

FIGURE 7A

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
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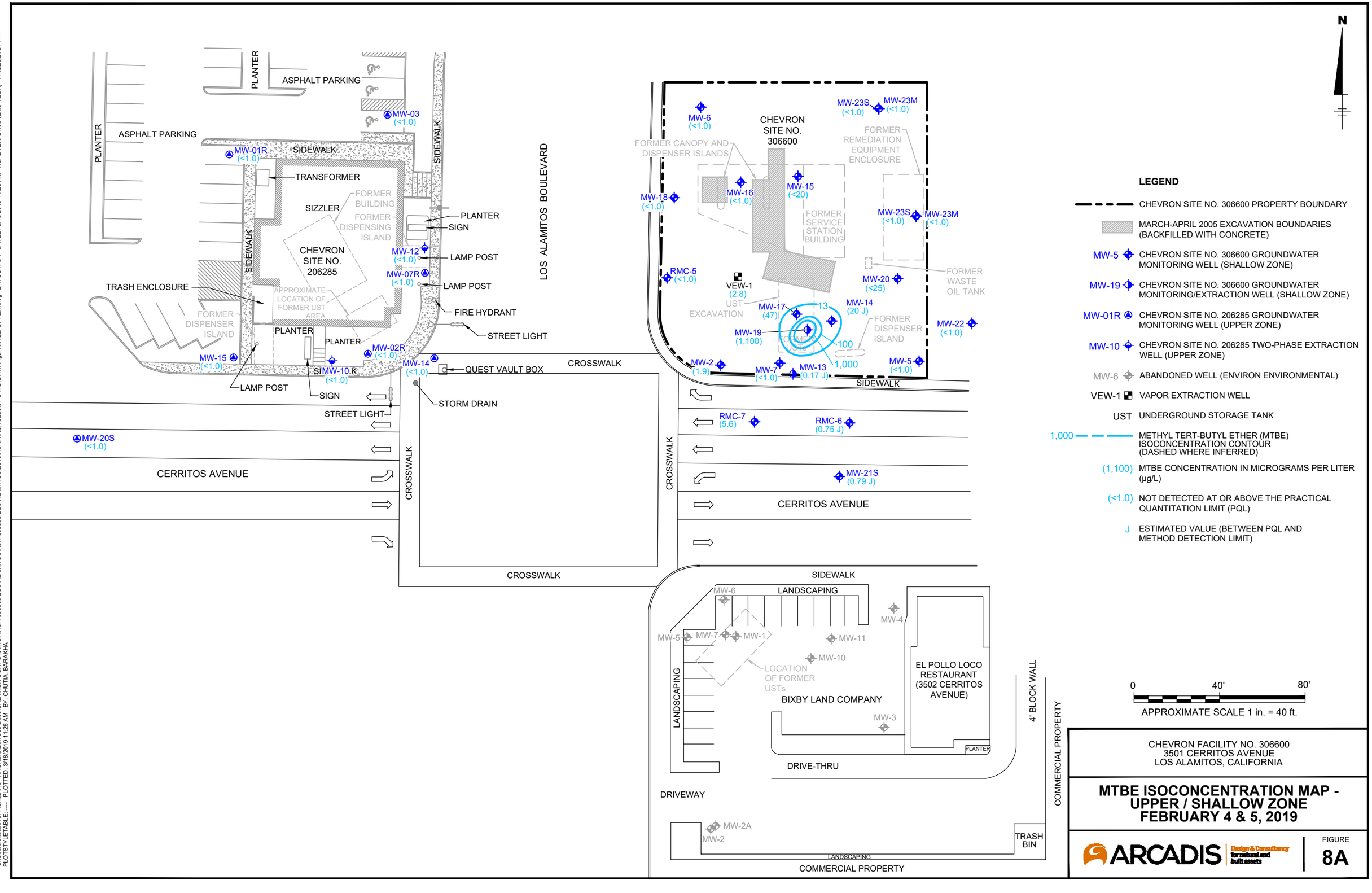
CHEVRON FACILITY NO. 306600
3501 CERRITOS AVENUE
LOS ALAMITOS, CALIFORNIA

BENZENE ISOCONCENTRATION MAP - LOWER / DEEP ZONE FEBRUARY 4 & 5, 2019

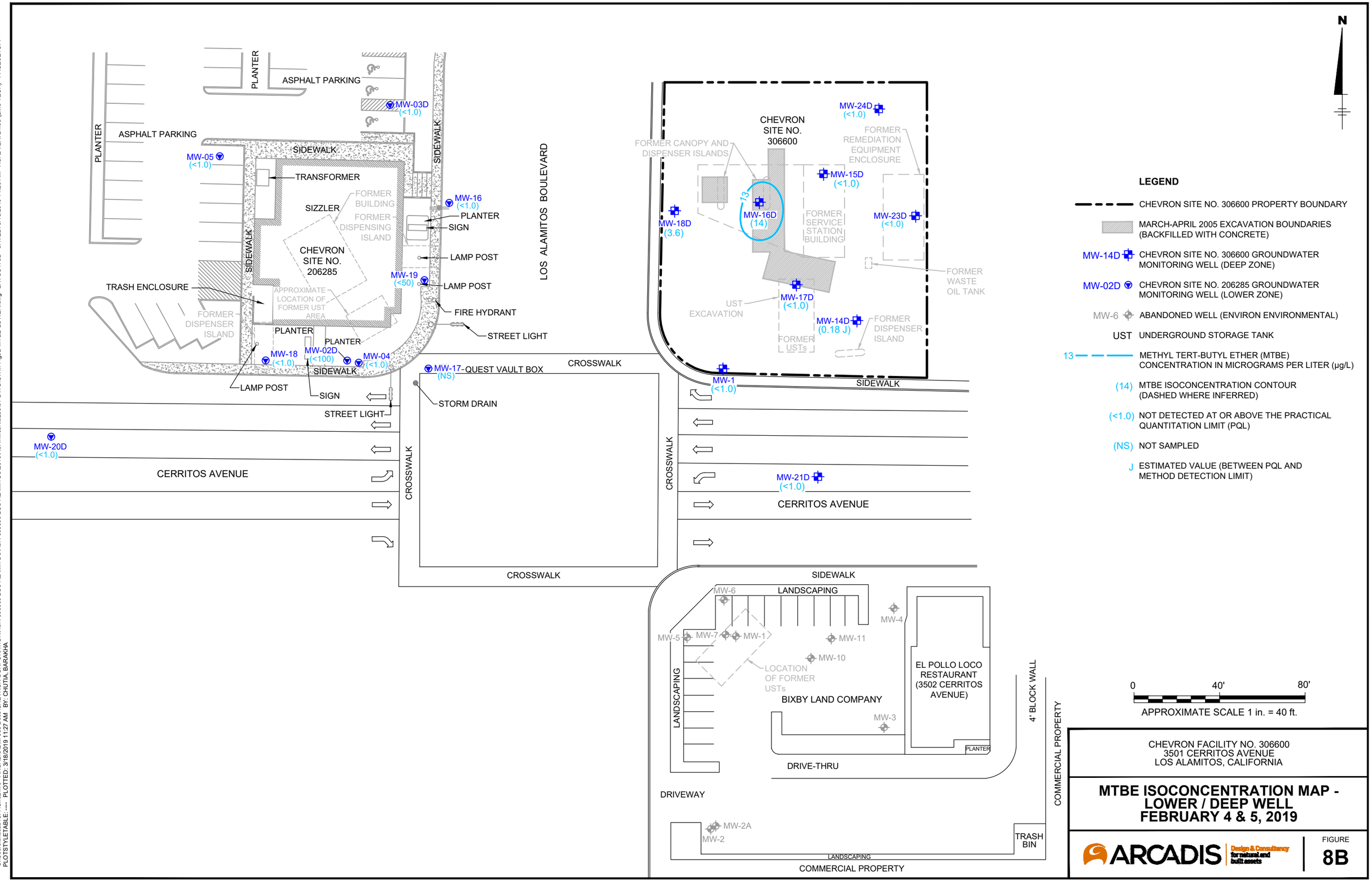
ARCADIS Design & Consultancy for natural and built assets

FIGURE 7B

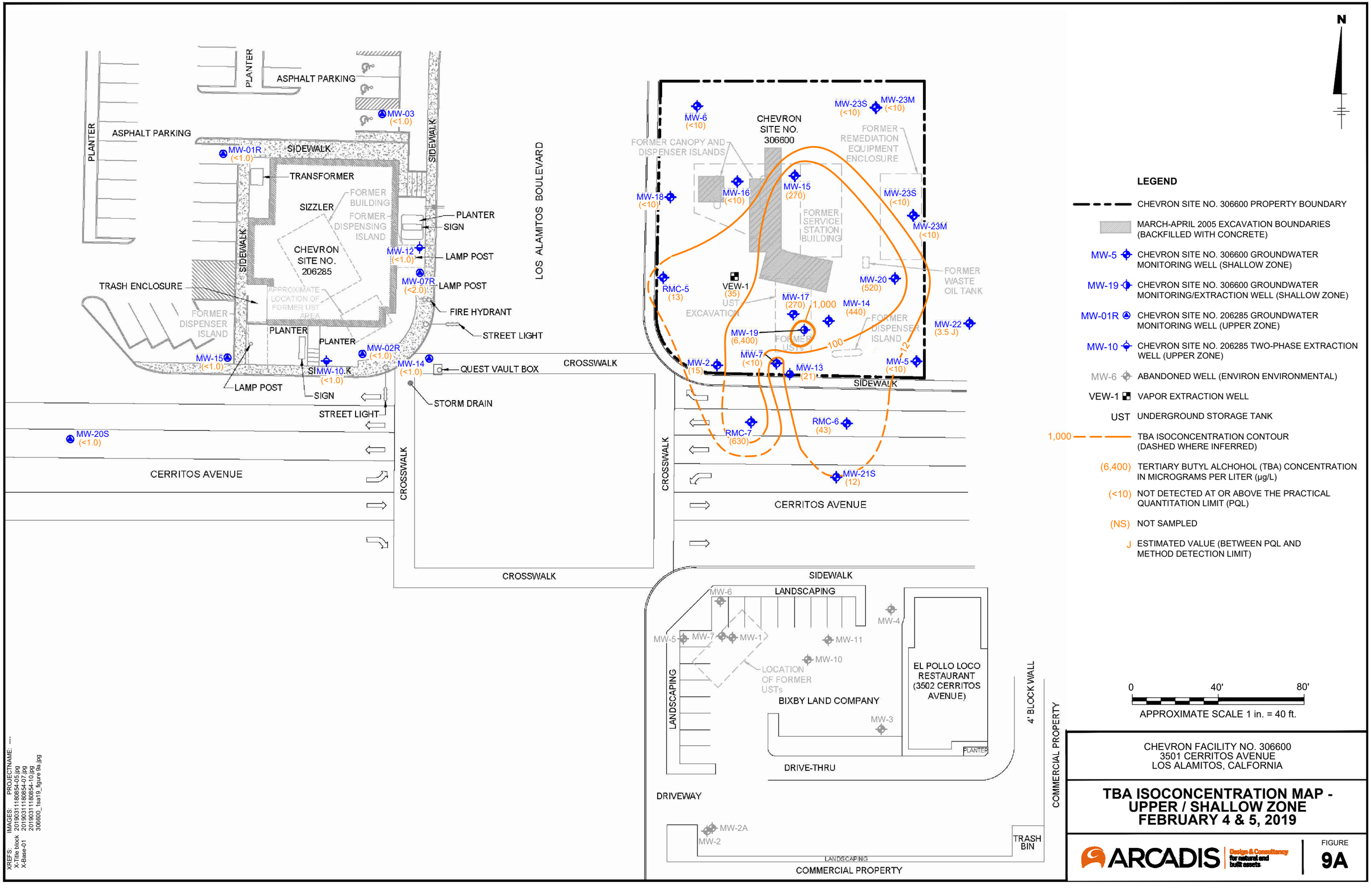
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PLOTSTYLETABLE: ---- PLOTTED: 3/18/2019 11:26 AM BY: CHUTIA, BARAKHA



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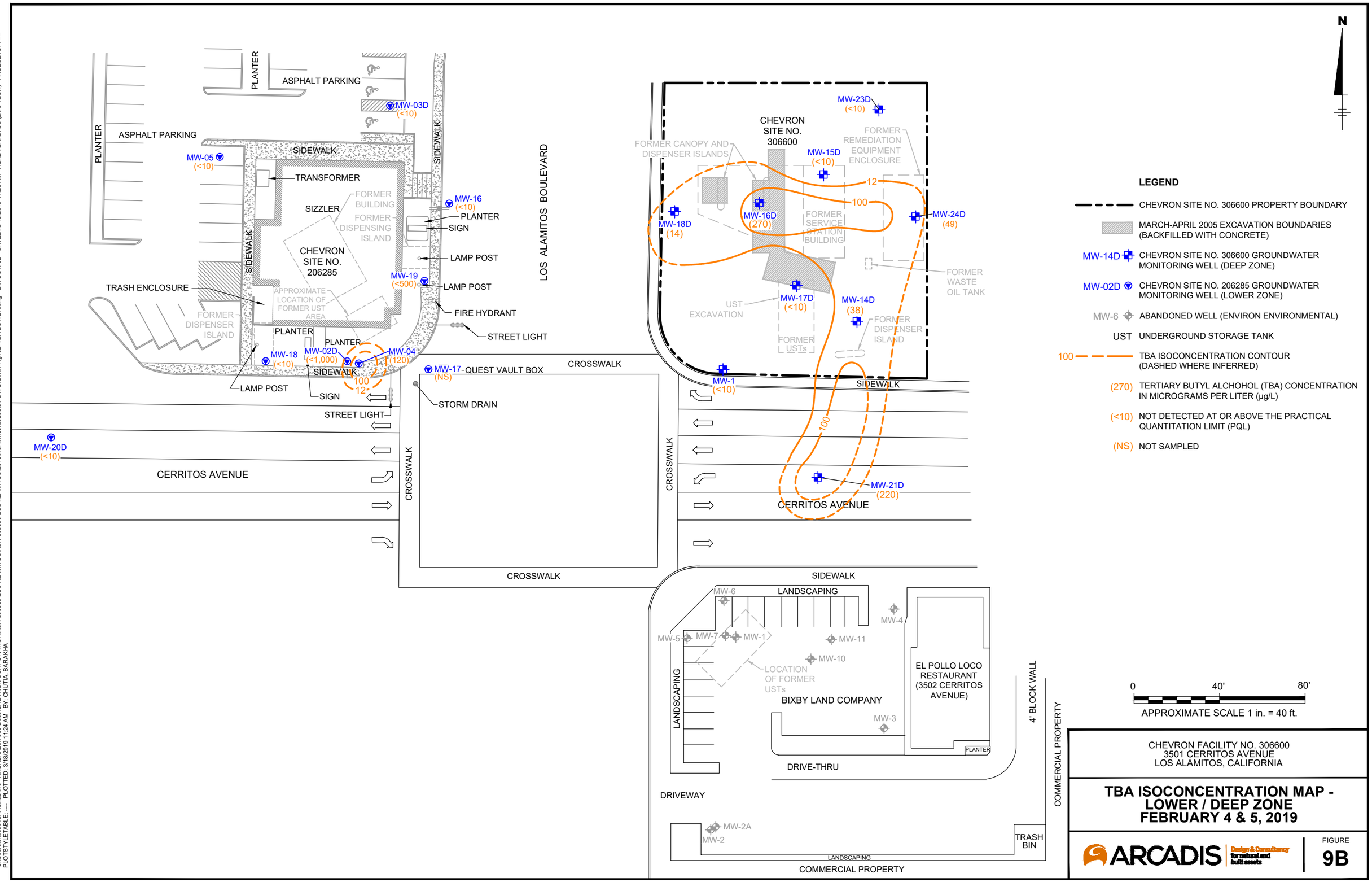
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20190311180854-10.jpg
306600_1sa19_figure 9a.jpg

CHEVRON FACILITY NO. 306600
3501 CERRITOS AVENUE
LOS ALAMITOS, CALFORNIA

TBA ISOCONCENTRATION MAP - UPPER / SHALLOW ZONE FEBRUARY 4 & 5, 2019

ARCADIS Design & Consultancy for natural and built assets

FIGURE 9A



CHEVRON FACILITY NO. 306600
3501 CERRITOS AVENUE
LOS ALAMITOS, CALIFORNIA

TBA ISOCONCENTRATION MAP - LOWER / DEEP ZONE FEBRUARY 4 & 5, 2019

ARCADIS Design & Consultancy for natural and built assets

FIGURE 9B

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
C:\Users\schulta4677\OneDrive - ARCADIS\BIM 360 Docs\CHEVRON CORPORATION\ASR-306600 LOS ALAMITOS\ASR-306600 LOS ALAMITOS\2019\ASRTM0JK.6285\01-DWG\GWM-Fig10B-TBA-LOWER.dwg LAYOUT: 9B SAVED: 3/18/2019 11:23 AM ACADVER: 21.0S (LMS TECH) PAGESETUP: ---
PLOTSTYLETABLE: ---- PLOTTED: 3/18/2019 11:24 AM BY: CHUTIA, BARAKHA

ATTACHMENT A

Field Data Sheets and General Procedures

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

February 8, 2019

Arcadis
Attn: Jason Almcrantz
111 SW Columbia Street,
Portland, Oregon

First Quarter 2019 Monitoring at
Site Number 306600
3501 Cerritos Ave
Los Alamitos, CA

Monitoring performed on February 4 and 5, 2019

Blaine Tech Services, Inc. Groundwater Monitoring Event 190204TJ-1

This submission covers the routine monitoring of groundwater wells conducted on February 4 and 5, 2019 at this location. Thirty-One monitoring wells were measured for depth to groundwater (DTW) and presence of separate-phase hydrocarbons (SPH). Thirty-One monitoring wells were sampled. All sampling activities were performed in accordance with local, state and federal guidelines.

Water levels and separate-phase measurements were collected using an electronic water or oil-water interface detector. All sampled wells were purged of three case volumes or until water temperature, pH and conductivity stabilized. Purging was accomplished using electric submersible pumps, positive air-displacement pumps or stainless steel, Teflon or disposable bailers. Subsequent sample collection and sample handling was performed in accordance with EPA protocols using disposable bailers. Alternately, where applicable, wells were sampled utilizing no-purge methodology. All reused equipment was decontaminated in an integrated stainless steel sink with de-ionized water supplied Hotsy pressure washer and Liquinox or equivalent.

Samples were delivered under chain-of-custody to Calscience for analysis. Monitoring well purgewater and equipment rinsate water was collected and transported under bill of lading to Blaine Tech Services, Inc.'s yard in Carson, California, and bulked for future transportation (within 90 days) under non-hazardous manifest for disposal at Evoqua Water Technologies, a licensed facility located in Vernon, CA.

SAN JOSE SACRAMENTO LOS ANGELES SAN DIEGO SEATTLE
1680 ROGERS AVENUE SAN JOSE, CA (408) 573-0555 FAX (408) 573-7771 LIC. 746684 WWW.BLAINETECH.COM

Enclosed documentation from this event includes copies of the Well Gauging Sheet, Well Monitoring Data Sheets, Bill of Lading and Chain-of-Custody.

Blaine Tech Services, Inc.'s activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrogeologic conditions or formulation of recommendations was performed.

Please call if you have any questions.

Thank you,

Ryan Prevost
Blaine Tech Services, Inc
Project Manager

attachments: Well Gauging Sheet
Individual Well Monitoring Data Sheets
Chain of Custody Forms
Bill of Lading
Wellhead Inspection Form

SAN JOSE SACRAMENTO LOS ANGELES SAN DIEGO SEATTLE
1680 ROGERS AVENUE SAN JOSE, CA (408) 573-0555 FAX (408) 573-7771 LIC. 746684 WWW.BLAINETECH.COM

WELL GAUGING DATA

Project # 190204-TJ7 Date 2/4/19 Client Chevron

Site 3501 Cerritos Ave, Los Alamitos

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or (TOC)	Notes
MW-1	0745	4					9.86	40.29		
MW-2	0736	4					10.99	24.75		
MW-5	0725	4					12.00	24.90		
MW-6	0726	4					9.31	24.96		
MW-7	0740	4					10.77	25.07		
MW-13	0809	4					11.00	21.66		
MW-14	0757	4					11.50	24.66		
MW-14D	0801	4					11.55	39.40		
MW-15	0731	4					9.77	24.91		
MW-15D	0737	4					10.00	38.22		
MW-16	0728	4					5.12	25.10		
MW-16D	0731	4					8.95	39.30		
MW-17	0744	4					10.72	24.91		
MW-17D	0748	4					9.96	39.05		
MW-18	0718	4					4.71	25.16		
MW-18D	0726	4					7.60	39.96		
MW-19	0752	4					11.41	24.37		

WELL GAUGING DATA

Project # 190204-T57 Date 2/4/19 Client Chevron

Site 3501 Cerrito Ave Los Alamitos

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or ~~TOC~~	Notes
MW-20	0719	4					11.58	25.05		
MW-21S	1007	4					13.05	24.93		
MW-21D	0952	4					11.73	40.19		
MW-22	0622	2					11.48	24.41		
MW-23S	0710	1					10.01	15.39		
MW-23M	0712	1					10.22	21.97		
MW-23D	0718	1					9.94	29.35		
MW-24S	0707	1					11.91	15.58		
MW-24M	0712	1					11.92	21.60		
MW-24D	0715	1					12.28	29.61		
RMC-5	0723	4					7.78	24.97		
RMC-6	1014	4					11.44	24.75		
RMC-7	1020	4					11.72	25.41		
VEW-1	0742	4					9.25	15.51		

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190204-TJ1	Client: Chevron 306600
Sampler: HH	Gauging Date: 02/04/19
Well I.D.: MW-1	Well Diameter (in.): 2 3 (4) 6 8 ____
Total Well Depth (ft.): 40.29	Depth to Water (ft.): 09.86
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: Pre Plus

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated (Tubing) New Tubing Other ____

Start Purge Time: 1313 Flow Rate: 100ml/min Pump Depth: 35'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1316	21.9	7.49	731	19	2.01	73.4	300	09.89
1319	21.8	7.42	749	17	1.73	70.9	600	09.90
1321	21.8	7.41	753	16	1.70	68.5	900	09.90
1324	21.9	7.40	759	16	1.65	66.7	1200	09.90
1327	21.9	7.39	763	16	1.63	64.5	1500	09.90
				Post	-1.59	62.6		

Did well dewater? Yes (No) Amount actually evacuated: 1500ml

Sampling Time: 1328 Sampling Date: 02/04/19

Sample I.D.: MW-1 Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D Other: (See C.O.C)

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190204-TS1	Client: Chevron 306600
Sampler: HH	Gauging Date: 02/04/19
Well I.D.: MW-2	Well Diameter (in.): 2 3 (4) 6 8 ____
Total Well Depth (ft.): 24.75	Depth to Water (ft.): 10.99
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: Pro Plus

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated (Tubing) New Tubing Other ____

Start Purge Time: 1335 Flow Rate: 100ml/min Pump Depth: 13'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1338	20.3	7.10	1773	20	1.73	-81.6	300	11.03
1341	20.4	7.04	1785	16	1.65	-83.5	600	11.04
1344	20.6	7.01	1793	14	1.61	-85.7	900	11.05
1347	20.6	6.99	1797	13	1.59	-87.4	1200	11.05
1350	20.7	6.98	1799	13	1.57	-89.6	1500	11.05
			Post -		1.53	-91.7		

Did well dewater? Yes (No) Amount actually evacuated: 1500ml

Sampling Time: 1351 Sampling Date: 02/04/19

Sample I.D.: MW-2 Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D Other: (See C.o.C)

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190204-T57	Client: Chevron 306600
Sampler: TS	Gauging Date: 2/4/19
Well I.D.: MW-5	Well Diameter (in.): 2 3 (4) 6 8 ____
Total Well Depth (ft.): 24.90	Depth to Water (ft.): 12.00
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI-pro+

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Other ____

Start Purge Time: 0820 Flow Rate: 100 mL/min Pump Depth: 15.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0823	21.4	6.82	3171	7	0.47	40	300	12.12
0826	21.9	6.84	3238	5	0.33	22	600	12.17
0829	22.0	6.86	3267	5	0.29	49	900	12.20
0832	22.0	6.87	3280	5	0.27	53	1200	12.20
0835	22.0	6.87	3285	4	0.25	55	1500	12.20
0838	22.0	6.87	3288	4	0.24	58	1800	12.20
					- Post -			
					0.35	51		

Did well dewater? Yes (No) Amount actually evacuated: 1.8L

Sampling Time: 0839 Sampling Date: 2/4/19

Sample I.D.: MW-5 Laboratory: Cal Science

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190204-155	Client: Chevron 306600
Sampler: TS	Gauging Date: 2/4/19
Well I.D.: MW-6	Well Diameter (in.): 2 3 (4) 6 8 ____
Total Well Depth (ft.): 24.96	Depth to Water (ft.): 9.37
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI-Pro 2

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing (New Tubing) Other ____

Start Purge Time: 1347 Flow Rate: 100 mL/min Pump Depth: 11.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)
1350	20.9	7.01	2060	9	0.60	-158	300	9.44
1353	21.0	6.95	2061	5	0.50	-155	600	9.45
1356	21.0	6.93	2045	3	0.40	-150	900	9.45
1359	21.1	6.92	2101	2	0.31	-147	1200	9.45
1402	21.1	6.91	2106	2	0.28	-144	1500	9.45
1405	21.1	6.91	2109	2	0.27	-142	1800	9.45
					Post			
					0.27	-142		

Did well dewater? Yes (No) Amount actually evacuated: 1.8L

Sampling Time: 1406 Sampling Date: 2/5/19

Sample I.D.: MW-6 Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D Other: SEE COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 140204-TS	Client: Chevron 306600
Sampler: TS	Gauging Date: 2/4/19
Well I.D.: MW-7	Well Diameter (in.): 2 3 (4) 6 8 ____
Total Well Depth (ft.): 25.07	Depth to Water (ft.): 10.77
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI Pro +

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Other ____

Start Purge Time: 1312 Flow Rate: 100 mL/min Pump Depth: 131

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1315	20.7	7.58	2034	7	3.86	-166	300	10.86
1318	21.3	7.42	2053	6	0.91	-168	600	10.86
1321	21.5	7.39	2061	5	0.87	-169	900	10.86
1324	21.5	7.38	2065	5	0.85	-169	1200	10.86
1327	21.6	7.38	2066	5	0.82	-169	1500	10.86
					Post			
					0.81	-177		

Did well dewater? Yes (No) Amount actually evacuated: 1.5 L

Sampling Time: 1328 Sampling Date: 2/5/19

Sample I.D.: MW-7 Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D Other: (PE COC)

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190209-T07	Client: Chevron 306600
Sampler: TS	Gauging Date: 2/4/19
Well I.D.: MW-13	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 21.66	Depth to Water (ft.): 11.00
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI Pro +

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
Sampling Method: Dedicated Tubing New Tubing Other ___

Start Purge Time: 1232 Flow Rate: 100 mL/min Pump Depth: 131

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1235	21.4	7.06	2212	17	0.41	-21	300	11.11
1238	21.6	7.01	2216	12	0.33	-22	600	11.16
1241	21.7	6.98	2219	11	0.30	-25	900	11.19
1244	21.7	6.97	2223	11	0.29	-27	1200	11.21
1247	21.7	6.97	2227	10	0.27	-28	1500	11.24
					Post			
					0.25	-29		

Did well dewater? Yes (No) Amount actually evacuated: 1.5L

Sampling Time: 1248 Sampling Date: 2/5/19

Sample I.D.: MW-13 Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190204-TJ1	Client: Chevron 306600
Sampler: TS	Gauging Date: 2/4/19
Well I.D.: MW-14	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 24.66	Depth to Water (ft.): 11.50
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI-Pro +

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated (Tubing) New Tubing Other ___

Start Purge Time: 1150 Flow Rate: 100 mL/min Pump Depth: 13.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1153	22.0	10.98	3747	5	0.70	-54	300	11.71
1156	22.2	10.99	3716	3	0.28	-79	600	11.84
1159	22.0	10.95	3712	2	0.20	-81	900	11.93
1202	21.9	10.92	3710	2	0.19	-83	1200	11.96
1205	21.7	10.91	3708	2	0.18	-85	1500	12.01
	- No	SPH	detected	-				
					Post			
					0.15	-86		

Did well dewater? Yes (No) Amount actually evacuated: 1.5L

Sampling Time: 1206 Sampling Date: 2/4/19

Sample I.D.: MW-14 Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.: DUP-2 @ 1216

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190204-TS7	Client: Chevron 306600
Sampler: TJ	Gauging Date: 2/4/19
Well I.D.: MW-14D	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 39.40	Depth to Water (ft.): 11.55
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI-Pro +

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ___

Start Purge Time: 1121 Flow Rate: 200 mL/min Pump Depth: 35'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1124	22.6	6.95	4204	5	0.68	-75	600	11.90
1127	22.9	6.91	4195	2	0.40	-42	1200	11.96
1130	23.0	6.90	4192	2	0.38	-41	1800	12.01
1133	23.1	6.90	4190	2	0.38	-40	2400	12.02
1136	23.2	6.91	4187	2	0.37	-38	3000	12.05
					Post			
					0.32	-35		

Did well dewater? Yes (No) Amount actually evacuated: 3.02

Sampling Time: 1137 Sampling Date: 2/4/19

Sample I.D.: MW-14D Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D (Other: See COC)

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190204-TS1	Client: Chevron 306600
Sampler: LT	Gauging Date: 2/4/19
Well I.D.: MW-15	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 24.91	Depth to Water (ft.): 9.77
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI-Pro 1

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing (New Tubing) Other ___

Start Purge Time: 1044 Flow Rate: 150 mL/min Pump Depth: 12'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1047	22.1	7.30	3013	22	0.60	-41	1150	9.91
1050	22.4	7.22	3032	10	0.50	-44	900	9.98
1053	22.6	7.20	3035	15	0.41	-49	1350	10.01
1056	22.7	7.17	3038	14	0.40	-52	1800	10.01
1059	22.8	7.17	3031	14	0.38	-54	2250	10.01
1102	22.8	7.17	3033	15	0.37	-55	2700	10.01
					POST			
					0.36	-59		

Did well dewater? Yes (No) Amount actually evacuated: ~~2.75~~ 2.72 L

Sampling Time: 1107 Sampling Date: 2/5/19

Sample I.D.: MW-15 Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190204-T51	Client: Chevron 306600
Sampler: TT	Gauging Date: 2/4/19
Well I.D.: MW-15D	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 38.22	Depth to Water (ft.): 10.00
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI-Pro +

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated (Tubing) New Tubing Other ___

Start Purge Time: 1414 Flow Rate: 150 mL/min Pump Depth: 35'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1417	21.6	6.82	2447	6	1.49	-95	450	10.21
1420	21.8	6.88	2470	5	0.71	-94	900	10.25
1423	21.9	6.90	2472	4	0.40	-92	1350	10.25
1426	22.0	6.91	2474	4	0.38	-92	1800	10.25
1429	22.0	6.91	2479	4	0.35	-91	2250	10.25
					POST:			
					0.32	-91		

Did well dewater? Yes (No) Amount actually evacuated: 2.25 L

Sampling Time: 1430 Sampling Date: 2/4/19

Sample I.D.: MW-15D Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) see coc

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190204-JJ1	Client: Chevron 300600
Sampler: HH	Gauging Date: 02/04/19
Well I.D.: MW-16	Well Diameter (in.): 2 3 (4) 6 8 ____
Total Well Depth (ft.): 25.13	Depth to Water (ft.): 05.12
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: Pro Plus

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated (Tubing) New Tubing Other ____

Start Purge Time: 0840 Flow Rate: 100ml/min Pump Depth: 08.00

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0843	17.4	7.40	2042	13	0.85	-91.6	300	05.15
0846	17.38	7.38	2434	10	0.70	-95.3	600	05.17
0849	17.32	7.35	2444	8	0.65	-98.6	900	05.18
0852	17.4	7.33	2449	8	0.63	-100.7	1200	05.18
0855	17.6	7.32	245	7	0.62	-101.8	1500	05.18
			Dost c		0.60	-104.1		

Did well dewater? Yes (No) Amount actually evacuated: 1500ml

Sampling Time: 0856 Sampling Date: 02/04/19

Sample I.D.: MW-16 Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See c.o.c

Equipment Blank I.D.: @ Time Duplicate I.D.: DUP-1 @0906

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190204-TJ1	Client: Chevron 306600
Sampler: HA	Gauging Date: 02/04/19
Well I.D.: MW-16D	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 39.30	Depth to Water (ft.): 08.95
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: Pre PLS

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing New Tubing Other ___

Start Purge Time: 0915 Flow Rate: 100ml/min Pump Depth: 35'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or ml)	Depth to Water (ft.)
0918	19.0	7.59	1639	10	0.70	-70.6	300	~~09.03~~ 09.03
0921	19.3	7.63	1653	7	0.63	-75.9	600	09.05
0924	19.4	7.61	1666	7	0.61	-78.9	900	09.06
0927	19.4	7.63	1669	7	0.60	-79.6	1200	09.06
0930	19.5	7.64	1670	7	0.59	-81.4	1500	09.06
			Post		0.57	-82.6		

Did well dewater? Yes (No) Amount actually evacuated: 1500ml

Sampling Time: 0931 Sampling Date: 02/04/19

Sample I.D.: MW-16D Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 140204-TS1	Client: Chevron 300600
Sampler: TS	Gauging Date: 2/4/19
Well I.D.: MW-17	Well Diameter (in.): 2 3 (4) 6 8 ____
Total Well Depth (ft.): 24.97	Depth to Water (ft.): 10.73
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI MP1

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing New Tubing Other ____

Start Purge Time: 1311 Flow Rate: 100 mL/min Pump Depth: 17'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1314	21.9	7.52	2889	12	1.74	-121	300	10.96
1317	22.0	7.40	2909	10	0.76	-125	600	11.01
1320	22.0	7.33	2916	8	0.61	-129	900	11.05
1323	22.1	7.30	2919	8	0.55	-131	1200	11.09
1326	22.1	7.29	2922	7	0.52	-133	1500	11.11
1329	22.1	7.29	2924	7	0.51	-133	1800	11.13
					DOST			
					0.52	-133		

Did well dewater? Yes (No) Amount actually evacuated: 1.8L
Sampling Time: 1330 Sampling Date: 2/4/19
Sample I.D.: MW-17 Laboratory: CalScience
Analyzed for: TPH-G BTEX MTBE TPH-D Other: Se Ca
Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 140204-TJ1	Client: Chevron 306600
Sampler: TJ	Gauging Date: 2/4/14
Well I.D.: MW-17D	Well Diameter (in.): 2 3 (4) 6 8 ____
Total Well Depth (ft.): 34.05	Depth to Water (ft.): 9.96
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI Pro +

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated (Tubing) New Tubing Other ____

Start Purge Time: 1347 Flow Rate: 100 mL/min Pump Depth: 35'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1350	21.3	7.59	1878	5	4.27	-117	300	10.09
1353	21.7	7.53	1883	2	4.30	-114	600	10.15
1356	21.8	7.50	1880	2	4.33	-111	900	10.18
1359	21.9	7.49	1879	2	4.35	-109	1200	10.18
1402	21.9	7.49	1877	2	4.37	-107	1500	10.18
					Post			
					4.41	-110		

Did well dewater? Yes (No)	Amount actually evacuated: 1.5L
Sampling Time: 1403	Sampling Date: 2/4/14
Sample I.D.: MW-17D	Laboratory: Calscience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190204-FJ1	Client: Chevron 306600
Sampler: HH	Gauging Date: 02/04/19
Well I.D.: MW-18	Well Diameter (in.): 2 3 (4) 6 8 ____
Total Well Depth (ft.): 25.10	Depth to Water (ft.): 04.71
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: Pro Plus

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing (New Tubing) Other ____

Start Purge Time: 0750 Flow Rate: 100 ml/min Pump Depth: 15'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or ml)	Depth to Water (ft.)
0753	14.3	7.30	~~1384~~ 1384	13	0.91	-67.1	300	04.80
0756	14.4	7.25	1379	10	0.70	-70.4	600	04.82
0759	14.4	7.22	1377	9	0.65	-73.6	900	04.83
0802	14.5	7.21	1390	9	0.63	-75.9	1200	04.83
0805	14.6	7.20	1394	9	0.62	-77.8	1500	04.83
					0.60	-76.6		

Did well dewater? Yes (No) Amount actually evacuated: 1500ml

Sampling Time: 0806 Sampling Date: 02/04/19

Sample I.D.: MW-18 Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Soluble O-C

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190204-TJ1	Client: Chevron 306600
Sampler: HH	Gauging Date: 02/04/19
Well I.D.: MW-18D	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 39.96	Depth to Water (ft.): 07.63
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: Pro Plus

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Other ___

Start Purge Time: 0812 Flow Rate: 100 ml/min Pump Depth: 35'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0815	18.3	7.34	1599	14	1.03	-86.4	300	07.70
0818	18.4	7.31	1831	10	0.83	-85.2	600	07.71
0821	18.4	7.29	1934	8	0.80	-88.6	900	07.72
0824	18.5	7.27	1945	7	0.81	-90.6	1200	07.72
0827	18.6	7.26	1950	7	0.79	-93.4	1500	07.72
			Post -		0.77	-96.4		

Did well dewater? Yes (No) Amount actually evacuated: 1500ml

Sampling Time: 0828 Sampling Date: 02/04/19

Sample I.D.: MW-18D Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See C.O.C

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 140204-T57	Client: Chevron 306600
Sampler: TS	Gauging Date: 2/4/19
Well I.D.: MW-19	Well Diameter (in.): 2 3 (4) 6 8 ____
Total Well Depth (ft.): 24.37	Depth to Water (ft.): 11.41
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI-Pro+

Purge Method: 2" Grundfos Pump | Peristaltic Pump | ~~Bladder Pump~~ (P)
Sampling Method: Dedicated (Tubing) | New Tubing | Other ____

Start Purge Time: 0935 Flow Rate: 100 mL/min Pump Depth: 13.5

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or ~~uS/cm~~)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)
0938	20.9	6.88	2919	15	0.34	-48	300	11.52
0941	21.5	6.87	2918	11	0.30	-51	600	11.57
0947	21.7	6.85	2916	10	0.30	-55	900	11.60
0950	21.9	6.85	2912	8	0.28	-61	1200	11.61
0953	22.0	6.84	2910	8	0.27	-66	1500	11.61
0956	22.0	6.84	2905	7	0.27	-69	1800	11.61
—	No SPH	detected	w/	IP Probe	—			
					Post			
					0.25	-77		

Did well dewater? Yes (No) Amount actually evacuated: 1.8L

Sampling Time: 0957 Sampling Date: 2/4/19

Sample I.D.: MW-19 Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D (Other): See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190204-T5J	Client: Chevron 306600
Sampler: TS	Gauging Date: 2/4/19
Well I.D.: MW-20	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 25.05	Depth to Water (ft.): 11.58
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI-Pro 1

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing (New Tubing) Other ___

Start Purge Time: 0901 Flow Rate: 100 mL/min Pump Depth: 15'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0904	22.0	6.87	5071	18	0.18	-24	300	11.70
0907	22.0	6.92	5043	15	0.15	-26	600	11.87
0910	22.0	6.92	4969	12	0.14	-29	900	11.83
0913	22.0	6.93	4962	11	0.14	-30	1200	11.84
0916	22.1	6.93	4960	11	0.12	-31	1500	11.84
0919	22.1	6.93	4958	10	0.12	-31	1800	11.84
					Post			
					0.15	-30		

Did well dewater? Yes (No) Amount actually evacuated: 1.8L

Sampling Time: 0920 Sampling Date: 2/4/19

Sample I.D.: MW-20 Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D (Other: see coc)

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190204-TS1	Client: Chevron 300600
Sampler: TS	Gauging Date: 2/4/19
Well I.D.: MW-21S	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 24.93	Depth to Water (ft.): 13.05
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI-Pro +

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated (Tubing) New Tubing Other ___

Start Purge Time: 1009 Flow Rate: 100 mL/min Pump Depth: 15.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)
1012	21.2	6.91	4362	16	0.38	-78	300	13.22
1015	21.8	6.92	4368	4	0.34	-83	600	13.26
1018	21.9	6.95	4371	8	0.32	-88	900	13.29
1021	22.0	6.95	4372	7	0.30	-86	1200	13.30
1024	22.1	6.96	4375	7	0.29	-88	1500	13.30
1027	22.1	6.97	4372	6	0.28	-87	1800	13.30
					Post:			
					0.22	-90		

Did well dewater? Yes (No) Amount actually evacuated: 1.8L

Sampling Time: 1028 Sampling Date: 2/4/19

Sample I.D.: MW-21S Laboratory: (a)Scievre

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190204-TJ1	Client: Chevron 306600
Sampler: HA	Gauging Date: 02/04/19
Well I.D.: MW-21D	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): ~~40.19~~ 40.19	Depth to Water (ft.): 11.73
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: Pro Plus

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing (New Tubing) Other ___

Start Purge Time: 0955 Flow Rate: 100ml/min Pump Depth: 37.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0958	21.6	6.94	3161	12	1.161	163.4	300	11.77
1001	21.7	6.92	3185	10	1.40	160.1	600	11.79
1004	21.8	6.91	3190	9	1.35	158.7	900	11.79
1007	21.8	6.91	3193	9	1.33	155.6	1200	11.79
1010	21.9	6.90	3198	9	1.31	153.4	1500	11.79
			Post -		1.29	150.9		

Did well dewater? Yes (No) Amount actually evacuated: 1500ml

Sampling Time: 1011 Sampling Date: 02/04/19

Sample I.D.: MW-21D Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See C.o.C

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190204-151	Client: Chevron 306600
Sampler: TJ	Gauging Date: 2/4/19
Well I.D.: MW-22	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 24.41	Depth to Water (ft.): 11.48
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI Flo Tech

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing (New Tubing) Other ___

Start Purge Time: 0628 Flow Rate: 100 mL/min Pump Depth: 13.5

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0631	21.1	7.40	2916	90	0.71	-71	300	11.60
0634	21.1	7.31	2922	88	0.51	-72	600	11.62
0637	20.8	7.27	2936	85	0.44	-74	900	11.62
0640	20.7	7.25	2941	80	0.40	-76	1200	11.62
0643	20.7	7.24	2944	80	0.33	-77	1500	11.62
0646	20.7	7.24	2950	78	0.30	-79	1800	11.62
					Post			
					0.28	-80		

Did well dewater? Yes (No) Amount actually evacuated: 1.8L

Sampling Time: 0647 Sampling Date: 2/5/19

Sample I.D.: MW-22 Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190204-TS1	Client: Chevron 306600
Sampler: TS	Gauging Date: 2/5/19
Well I.D.: MW-23S	Well Diameter (in.): 2 3 4 6 8 1"
Total Well Depth (ft.): 15.39	Depth to Water (ft.): 10.01
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI-Pro +

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Other

Start Purge Time: 0821 Flow Rate: 100 mL/min Pump Depth: 12.5

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0824	19.9	6.96	1826	36	2.49	22	300	10.19
0827	18.4	6.90	1888	32	0.87	16	600	10.22
0830	18.6	6.84	1881	30	0.71	19	900	10.24
0833	18.7	6.82	1877	~~28~~ 28	0.66	21	1200	10.25
0836	18.8	6.81	1874	27	0.65	22	1500	10.25
0839	18.8	6.81	1871	27	0.60	24	1800	10.25
					Post			
					0.60	26		

Did well dewater? Yes (No)	Amount actually evacuated: 1.8L
Sampling Time: 0840	Sampling Date: 2/5/19
Sample I.D.: MW-23S	Laboratory: Calscience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190204-157	Client: Chevron 306600
Sampler: TS	Gauging Date: 2/4/19
Well I.D.: MW-23M	Well Diameter (in.): 2 3 4 6 8 1¼
Total Well Depth (ft.): 21.97	Depth to Water (ft.): 10.72
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI Pro +

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
Sampling Method: Dedicated Tubing New Tubing Other

Start Purge Time: 0745 Flow Rate: 100 mL/min Pump Depth: 20.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0748	20.9	6.90	2051	22	1.77	44	300	10.72
0751	20.3	6.98	2029	19	0.60	38	600	10.72
0754	20.1	6.99	2022	15	0.60	37	900	10.72
0757	20.1	6.99	2018	12	0.57	37	1200	10.72
0800	20.0	7.00	2015	11	0.55	35	1500	10.72
0803	20.1	7.00	2014	11	0.59	35	1800	10.72
					Post			
					0.55	35		

Did well dewater? Yes (No) Amount actually evacuated: 1.5 L

Sampling Time: 0804 Sampling Date: 2/5/19

Sample I.D.: MW-23M Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190204-T57	Client: Chevron 306600
Sampler: TS	Gauging Date: 2/5/19
Well I.D.: MW-23D	Well Diameter (in.): 2 3 4 6 8 1"
Total Well Depth (ft.): 29.35	Depth to Water (ft.): 9.94
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI-Pro +

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Other

Start Purge Time: 0717 Flow Rate: 100 mL/min Pump Depth: 27.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0715	21.7	6.78	2556	5	0.64	44	300	10.01
0718	21.5	6.79	2571	5	0.60	40	600	10.01
0721	21.7	6.81	2577	4	0.55	38	900	10.01
0724	21.7	6.81	2579	4	0.52	35	1200	10.01
0727	21.7	6.82	2581	4	0.51	34	1500	10.01
						Post		
					0.51	32		

Did well dewater? Yes (No) Amount actually evacuated: 1.5L

Sampling Time: 0728 Sampling Date: 2/5/19

Sample I.D.: MW-23D Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D Other: SPL Coc

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190204.TJ7	Client: Chevron 306600
Sampler: TJ	Gauging Date: 2/4/19
Well I.D.: MW-24S	Well Diameter (in.): 2 3 4 6 8 1"
Total Well Depth (ft.): 15.58	Depth to Water (ft.): 11.91
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI-Pro +

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Other

Start Purge Time: 1011 Flow Rate: 100 mL/min Pump Depth: 14'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1014	21.9	6.71	3696	6	0.99	-18	300	12.06
1017	22.0	6.74	3668	2	0.70	-22	600	12.05
1020	22.2	6.72	3663	2	0.51	-25	900	12.10
1023	22.4	6.71	3661	1	0.47	-26	1200	12.10
1026	22.5	6.70	3660	1	0.44	-27	1500	12.10
1029	22.5	6.70	3657	1	0.42	-27	1800	12.10
					Post			
					0.41	-29		

Did well dewater? Yes No Amount actually evacuated: 1.8L

Sampling Time: 1030 Sampling Date: 2/5/19

Sample I.D.: MW-24S Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190704-TJ1	Client: Chevron 306600
Sampler: TJ	Gauging Date: 2/4/19
Well I.D.: MW-24M	Well Diameter (in.): 2 3 4 6 8 1"
Total Well Depth (ft.): 21.60	Depth to Water (ft.): 11.92
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI-Pro

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Other

Start Purge Time: 0931 Flow Rate: 100 mL/min Pump Depth: 20.5

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0934	21.2	6.20	4681	12	0.80	-19	300	12.05
0937	22.3	6.16	4680	11	0.52	-22	600	12.17
0940	22.1	6.15	4678	8	0.40	-29	900	12.21
0943	22.1	6.12	4674	3	0.35	-36	1200	12.24
0946	22.0	6.11	4672	2	0.33	-41	1500	12.28
0949	22.0	6.11	4671	2	0.32	-42	1800	12.29
0952	22.0	6.11	4670	2	0.31	-42	2100	12.29
					Post			
					0.31	-42		

Did well dewater? Yes (No)	Amount actually evacuated: 2.1 L
Sampling Time: 0953	Sampling Date: 2/5/19
Sample I.D.: MW-24M	Laboratory: Calscience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: SPL COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190204 TS1	Client: Chevron 300600
Sampler: TS	Gauging Date: 2/4/19
Well I.D.: MW-24D	Well Diameter (in.): 2 3 4 6 8 1"
Total Well Depth (ft.): 29.61	Depth to Water (ft.): 12.25
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI-PRO +

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
Sampling Method: Dedicated Tubing New Tubing Other

Start Purge Time: 0856 Flow Rate: 100 mL/min Pump Depth: 27.5

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0854	22.3	7.31	4264	21	0.87	-18	300	12.32
0902	22.4	7.20	4264	19	0.59	-28	600	12.38
0905	22.5	7.18	4260	15	0.52	-31	900	12.43
0908	22.5	7.17	4257	12	0.49	-34	1200	12.46
0911	22.6	7.17	4255	12	0.47	-36	1500	12.48
0914	22.6	7.16	4252	13	0.45	-37	1800	12.51
					POST			
					0.44	-38		

Did well dewater? Yes No	Amount actually evacuated: 1.8L
Sampling Time: 0915	Sampling Date: 2/5/19
Sample I.D.: MW-24D	Laboratory: Calscience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190204-TJ1	Client: Chevron 300600
Sampler: HH	Gauging Date: 02/04/19
Well I.D.: RMC-5	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 24.97	Depth to Water (ft.): 07.78
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: Pro Plus

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated (Tubing) New Tubing Other ___

Start Purge Time: 1100 Flow Rate: 100ml/min Pump Depth: 10'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1103	21.4	7.33	1774	14	1.10	-122.3	300	07.80
1106	21.6	7.30	1776	11	1.03	-124.5	600	07.81
1109	21.7	7.28	1779	10	0.99	-126.7	900	07.82
1112	21.7	7.27	1781	10	0.96	-129.8	1200	07.82
1115	21.8	7.25	1783	10	0.94	-131.7	1500	07.82
			Post -		0.90	-133.6		

Did well dewater? Yes (No) Amount actually evacuated: 1500ml

Sampling Time: 1116 Sampling Date: 02/04/19

Sample I.D.: RMC-5 Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See C.O.C

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190204-TO1	Client: Chevron 306602
Sampler: TT	Gauging Date: 2/4/19
Well I.D.: RMC-6	Well Diameter (in.): 2 3 (4) 6 8 ____
Total Well Depth (ft.): 24.75	Depth to Water (ft.): 11.44
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI-Pro +

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated (Tubing) New Tubing Other ____

Start Purge Time: 1049 Flow Rate: 100 mL/min Pump Depth: 13.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1052	23.1	7.01	3568	8	0.36	-62	300	11.71
1055	23.2	7.05	3567	5	0.35	-61	600	11.72
1058	23.3	7.06	3560	5	0.33	-60	900	11.72
1101	23.4	7.06	3558	4	0.32	-58	1200	11.72
1104	23.4	7.07	3557	4	0.32	-58	1500	11.72
					POST			
					0.31	-55		

Did well dewater? Yes (No)	Amount actually evacuated: 1.5L
Sampling Time: 1105	Sampling Date: 2/4/19
Sample I.D.: RMC-6	Laboratory: Calscience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: (See COC)
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190204-007	Client: Chevron 306600
Sampler: HH	Gauging Date: 02/04/19
Well I.D.: RMC 7	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 25.41	Depth to Water (ft.): 11.72
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: Pro Plus

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing New Tubing Other ___

Start Purge Time: 1025 Flow Rate: 100ml/min Pump Depth: 14'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1028	22.0	7.11	2739	16	1.31	69.3	300	11.74
1031	22.1	7.06	2831	13	1.24	66.1	600	11.75
1034	22.2	7.04	2840	12	1.20	63.5	900	11.75
1037	22.2	7.03	2844	12	1.18	62.4	1200	11.75
1040	22.3	7.02	2846	12	1.15	60.8	1500	11.75
			Pkt -		1.10	61.2		

Did well dewater? Yes (No) Amount actually evacuated: 1500ml

Sampling Time: 1041 Sampling Date: 02/04/19

Sample I.D.: RMC-7 Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See C.O.C

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190204-TJ1	Client: Chevron 306600
Sampler: HH	Gauging Date: 02/04/19
Well I.D.: VEW-1	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 15.51	Depth to Water (ft.): 09.25
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: Pre Plus

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing New Tubing Other ___

Start Purge Time: 1138 Flow Rate: 100 ml/min Pump Depth: 12'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1141	20.01	7.35	3119	16	2.09	-77.9	300	09.28
1144	20.2	7.31	3173	13	1.73	-79.6	600	09.29
1147	20.2	7.29	3185	12	1.65	-81.4	900	09.29
1150	20.3	7.27	3190	11	1.61	-82.3	1200	09.29
1153	20.3	7.26	3193	11	1.57	-84.5	1500	09.29
				Post-	1.53	-86.3		

Did well dewater? Yes (No) Amount actually evacuated: 1500ml

Sampling Time: 1154 Sampling Date: 02/04/19

Sample I.D.: VEW-1 Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D (Other: See Core)

Equipment Blank I.D.: @ Time Duplicate I.D.:

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ▪ 145 S. State College Boulevard ▪ Brea, CA 92822-2292 COC 1 of 4

Chevron Site Number: 306600
Chevron Site Global ID:
Chevron Site Address: 3501 Cerritos Ave.
Los Alamitos, CA
Chevron PM: James P. Kieman
Chevron PM Phone No.: 925-842-3220
☒ Marketing Business Unit Job
☒ Construction/Retail Job

Charge Code: NWENV-0306600-0-0802

(WBS ELEMENTS:
SITE ASSESSMENT: A1L REMEDIATION IMPLEMENTATION: R5L
SITE MONITORING: OML OPERATION MAINTENANCE & MONITORING: M1L

THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETELY.

Calscience Laboratories

Vikas Patel
7441 Lincoln Way. Garden Grove, CA 92841-1427
714-895-5494
Consultant Project No. 190204-T57
Sampling Company: Blaine Tech Services
Sampled By (Print): Jordyn Temmore
Sampler Signature:

Chevron Consultant: ARCADIS
Address: 111 SW Columbia Street,
Portland, Oregon
Consultant Contact: Jason Almcrantz
Consultant Phone No. 808-522-1930

Temp. Blank Check Time / Temp.

SAMPLE ID							ANALYSES REQUIRED																	
Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	# of Containers	Container Type	EPA 8260B/GC/MS ETHANOL ☐ EDB / EDC ☐ FULL SCAN VOC ☐ EPA 8260B/GC/MS TPH-G ☐ BTEX ☐ MTBE ☐ OXYS ☐	EPA 8015B TPH-G ☐ TPH-D ☐ ORO ☐ HC SCREEN ☐	TPH-D WITH SILICA GEL CLEAN UP (SPECIAL INSTRUCTIONS)	ACETONE ☐ FORMALDEHYDE ☐ TOTAL BORON ☐ CHLORIDE ☐	TOTAL CHROMIUM ☐, HEXAVALENT CHROMIUM ☐	NITRATE ☐, SULFATE ☐ TDS ☐ BROMIDE ☐	PH ☐ DISSOLVED OXYGEN ☐ FERROUS IRON ☐ METHANE ☐	NAPHTHALENE BY 8260 ☐	Full Scan, Oxys 8260B	3510 Oxys by 8015B	EPA 8260B/GC/MS TPH-G C4-C12	TPH C10-C40	Notes/Comments
QA	T		190204	0700	2	H VOA	X																	
MW-15D	T			1430	8	VOA, amber		X							X	X	X							
MW-17D	T			1407	8			X							X	X	X							
MW-17	T			1330	8			X							X	X	X							
MW-14	T			1206	8			X							X	X	X							
MW-14D	T			1137	8			X							X	X	X							
DUP-2	WD			1216	8			X							X	X	X							
RMC-6	T			1105	8			X							X	X	X							
MW-21S	T			1028	8			X							X	X	X							
MW-19	T			0957	8			X							X	X	X							

Preservation Codes
H = HCL T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

Special Instruction
All 8260 analyses r conform to Los Ang mandated detectir TPHd by 8015B M Extraction 3511 and M Column SGC

8015

Relinquished By	Company	Date/Time:	Relinquished To	Company	Date/Time
	BB	2/5/19 1510			
Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time
Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time

Turnaround Time:
Standard☐ 24 Hours☐ 48 hours☐ 72 Hours☐
Other☐

Sample Integrity: (Check by lab on arrival)
Intact: ____ On Ice: ____ Temp: ____
COC #

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ■ 145 S. State College Boulevard ■ Brea, CA 92822-2292 COC 2 of 4

Chevron Site Number: 306600
Chevron Site Global ID:
Chevron Site Address: 3501 Cerritos Ave,
Los Alamitos, CA
Chevron PM: James P. Kieman
Chevron PM Phone No.: 925-842-3220
☒ Marketing Business Unit Job
☒ Construction/Retail Job
Charge Code: NWENV-0306600-0-0802

(WBS ELEMENTS:
SITE ASSESSMENT: A1L REMEDIATION IMPLEMENTATION: R5L
SITE MONITORING: OML OPERATION MAINTENANCE & MONITORING: M1L

THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETELY.

Calscience Laboratories

Vikas Patel
7441 Lincoln Way. Garden Grove, CA 92841-1427
714-895-5494
Consultant Project No. 190704. TS1
Sampling Company: Blaine Tech Services
Sampled By (Print): Jordan Trevino
Sampler Signature:

Chevron Consultant: ARCADIS
Address: 111 SW Columbia Street,
Portland, Oregon
Consultant Contact: Jason Almcrantz
Consultant Phone No. 808-522-1930

Temp. Blank Check Time / Temp.

ANALYSES REQUIRED

Preservation Codes: H =HCL T= Thiosulfate; N =HNO_3 B = NaOH; S = H_2SO_4 O = Other

Special Instruction: All 8260 analyses [illegible] conform to Los An[illegible] mandated detect[illegible] TPHd by 8015B [illegible] Extraction 3511 and M[illegible] Column SGC

SAMPLE ID: Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	# of Containers	Container Type	EPA 8260B/GC/MS Ethanol ☐ EDB / EDC ☐ Full Scan VOC ☐ / EPA 8260B/GC/MS TPH-G ☐ BTEX ☐ MTBE ☐ Oxys ☐	EPA 8015B TPH-G ☐ TPH-D ☐ ORO ☐ HC Screen ☐	TPH-D with Silica Gel Clean Up (Special Instructions)	Acetone ☐ Formaldehyde ☐ Total Boron ☐ Chloride ☐	Total Chromium ☐, Hexavalent Chromium ☐	Nitrate ☐, Sulfate ☐ TDS ☐ Bromide ☐	pH ☐ Dissolved Oxygen ☐ Ferrous Iron ☐ Methane ☐	Naphthalene by 8260 ☐	Full Scan, Oxys 8260B	3510 DRO/GC by 8015B, TPH-jf by EPA 8015	EPA 8260B/GC/MS TPH-G C4-C12 ☐ TPH C13-C40 ☐ 8015	Notes/Comment
MW-20	T		190704	0920	8	VOA, amber		X							X	X	X	
MW-5	T			0859	8			X							X	X	X	
MW-1	T			1328	8			X							X	X	X	
NEW-1	T			1154	8			X							X	X	X	
RMC-5	T			1116	8			X							X	X	X	
RMC-7	T			1041	8			X							X	X	X	
MW-21D	T			1011	8			X							X	X	X	
MW-16D	T			0951	8			X							X	X	X	
MW-16	T			0856	8			X							X	X	X	
DUP-1	WD			0906	8			Y							X	X	X	

Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time
	BTS	2/5/19 1510			
Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time
Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time

Turnaround Time:
Standard☐ 24 Hours☐ 48 hours☐ 72 Hours☐
Other☐

Sample Integrity: (Check by lab on arrival)
Intact: ____ On Ice: ____ Temp: ____

COC #

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ■ 145 S. State College Boulevard ■ Brea, CA 92822-2292 COC 3 of 4

Chevron Site Number: 306600
Chevron Site Global ID:
Chevron Site Address: 3501 Cerritos Ave,
Los Alamitos, CA
Chevron PM: James P. Kiernan
Chevron PM Phone No.: 925-842-3220
☒ Marketing Business Unit Job
☒ Construction/Retail Job

Charge Code: NWENV-0306600-0-0802

(WBS ELEMENTS:
SITE ASSESSMENT: A1L REMEDIATION IMPLEMENTATION: R5L
SITE MONITORING: OML OPERATION MAINTENANCE & MONITORING: M1L

THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETELY.

Calscience Laboratories

Vikas Patel
7441 Lincoln Way. Garden Grove, CA 92841-1427
714-895-5494
Consultant Project No. 140204-TS1
Sampling Company: Blaine Tech Services
Sampled By (Print): Jordan Terrazas
Sampler Signature:

Chevron Consultant: ARCADIS
Address: 111 SW Columbia Street,
Portland, Oregon
Consultant Contact: Jason Almcrantz
Consultant Phone No. 808-522-1930

Temp. Blank Check Time / Temp.

ANALYSES REQUIRED

SAMPLE ID: Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	# of Containers	Container Type	EPA 8260B/GC/MS Ethanol ☐ EDB / EDC ☐ Full Scan VOC ☐ EPA 8260B/GC/MS TPH-G ☐ BTEX ☐ MTBE ☐ Oxys ☐	EPA 8015B TPH-G ☐ TPH-D ☐ ORO ☐ HC Screen ☐	TPH-D with Silica Gel Clean Up (Special Instructions)	Acetone ☐ Formaldehyde ☐ Total Boron ☐ Chloride ☐	Total Chromium ☐, Hexavalent Chromium ☐	Nitrate ☐, Sulfate ☐ TDS ☐ Bromide ☐	pH ☐ Dissolved Oxygen ☐ Ferrous Iron ☐ Methane ☐	Naphthalene by 8260 ☐	Full Scan, Oxys 8260B	3510 DRO 8015B TPH-gx/BTEX 8015B	EPA 8260B/GC/MS TPH-G C4-C12 ☐ TPH C6-C40 ☐	Notes/Comments
MW-18D	T		140204	0828	8	VOA, amber		X							X	X	X	
MW-1B	T		140204	0806	8			X							X	X	X	
MW-2	T		140204	1351	8			X							X	X	X	
MW-22			140205	0947	8			X							X	X	X	
MW-23S				0840	8			X							X	X	X	
MW-23M				0804	8			X							X	X	X	
MW-23D				0728	8			X							X	X	X	
MW-24S				1030	8			X							X	X	X	
MW-24M				0953	8			X							X	X	X	
MW-24D				0915	8			X							X	X	X	

Preservation Codes
H =HCL T= Thiosulfate
N =HNO_3 B = NaOH
S = H_2SO_4 O = Other

Special Instruction
All 8260 analyses r conform to Los Anc mandated detectir TPHd by 8015B M Extraction 3511 and Column SGC

8015

Relinquished By	Company	Date/Time:
	BTS	2/5/19 1510
Relinquished By	Company	Date/Time
Relinquished By	Company	Date/Time

Relinquished To	Company	Date/Time
Relinquished To	Company	Date/Time
Relinquished To	Company	Date/Time

Turnaround Time:
Standard☐ 24 Hours☐ 48 hours☐ 72 Hours☐
Other☐

Sample Integrity: (Check by lab on arrival)
Intact: ____ On Ice: ____ Temp: ____
COC #

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ▪ 145 S. State College Boulevard ▪ Brea, CA 92822-2292 COC 4 of 4

Chevron Site Number: 306600
Chevron Site Global ID:
Chevron Site Address: 3501 Cerritos Ave,
Los Alamitos, CA
Chevron PM: James P. Kiernan
Chevron PM Phone No.: 925-842-3220
☒ Marketing Business Unit Job
☒ Construction/Retail Job
Charge Code: NWENV-0306600-0-0802

(WBS ELEMENTS:
SITE ASSESSMENT: A1L REMEDIATION IMPLEMENTATION: R5L
SITE MONITORING: OML OPERATION MAINTENANCE & MONITORING: M1L

THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETELY.

Calscience Laboratories

Vikas Patel
7441 Lincoln Way. Garden Grove, CA 92841-1427
714-895-5494
Consultant Project No. 190204-T51
Sampling Company: Blaine Tech Services
Sampled By (Print): Jordan Blaine
Sampler Signature:

Chevron Consultant: ARCADIS
Address: 111 SW Columbia Street,
Portland, Oregon
Consultant Contact: Jason Almcrantz
Consultant Phone No. 808-522-1930

Temp. Blank Check
Time Temp.

SAMPLE ID							ANALYSES REQUIRED																	
Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	# of Containers	Container Type	EPA 8260B/GC/MS Ethanol ☐ EDB / EDC ☐ Full Scan VOC ☐ EPA 8260B/GC/MS TPH-G ☐ BTEX ☐ MTBE ☐ Oxys ☐	EPA 8015B TPH-G ☐ TPH-D ☐ ORO ☐ HC Screen ☐	TPH-D with Silica Gel Clean up (Special Instructions)	Acetone ☐ Formaldehyde ☐ Total Boron ☐ Chloride ☐	Total Chromium ☐, Hexavalent Chromium ☐	Nitrate ☐, Sulfate ☐ TDS ☐ Bromide ☐	pH ☐ Dissolved Oxygen ☐ Ferrous Iron ☐ Methane ☐	Naphthalene by 8260 ☐	Full Scan, Oxys 8260B	3510 Prosc by 8015B TPH-SF by EPA 8015	EPA 8260B/GC/MS TPH-G C4-C12 ☐ TPH C13-C40 ☐	Preservation Codes H = HCL T= Thiosulfate N = HNO_3 B = NaOH S = H_2SO_4 O = Other	Special Instruction All 8260 analyses m conform to Los An mandated detectio TPHd by 8015B Extraction 3511 ar Column SGC	Notes/Comment
MW-15	T		190205	1107	8	VOA, amber		X						X	X	X				
MW-13	T			1248	8			X						X	X	X				
MW-7	T			1328	8			X						X	X	X				
MW-6	T		↓	1406	8	↓		X						X	X	X				

Relinquished By	Company	Date/Time:	Relinquished To	Company	Date/Time
	BTS	2/5/19 1510			
Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time
Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time

Turnaround Time:
Standard☐ 24 Hours☐ 48 hours☐ 72 Hours☐
Other☐
Sample Integrity: (Check by lab on arrival)
Intact: ____ On Ice: ____ Temp: ____
COC #

WELLHEAD INSPECTION CHECKLIST

Client Chevron Date 2/4/19

Site Address 3501 Cerritos Ave, Los Alamitos

Job Number 100204-TS7 Technician TS

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12"or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12"or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-1		X	X	-	wdl	apron/id		not secure to well		
MW-2	X	X	X							
MW-5	X		X							
MW-6	X	X	X							
MW-7	X	X	X							
MW-13	X	X			tabs	stripped				
MW-14	X	X	X							
MW-14D	X	X	X							
MW-15	X	X	X							
MW-15D	X	X	X							
MW-16	X	X	X							
MW-16D	X	X	X							
MW-17	X	X	X							
MW-17D	X	X	X							
MW-18		X	X		2/2 tabs stripped					
MW-18D	X	X	X							
MW-19	X	X	X							

NOTES: MW-5 1/2 tabs stripped

WELLHEAD INSPECTION CHECKLIST

Client Chevron Date 2/4/19

Site Address 3501 Cerritos Ave, Los Alamitos

Job Number 190204. TJ Technician TJ

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12"or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12"or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-20	X	X	X							
MW-21S	X	X	X							
MW-21D	X	X	X							
MW-22	X	X	X							
MW-23S	X	X	X							
MW-23M	X	X	X							
MW-23D	X	X	X							
MW-24S	X	X	X							
MW-24M	X	X	X							
MW-24D	X	X	X							
RMC-5	X	X	X		1/2 tubs stripped					
RMC-6	X	X	X							
RMC-7		X	X		1/2 bolts missing/stripped					
VEW-1		X	X		tubs stripped					

NOTES:

CHEVRON-NORTHERN CALIFORNIA TYPE **A** BILL OF LADING BILL OF LADING No. 2/2

SOURCE RECORD **BILL OF LADING** FOR PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT CHEVRON FACILITIES IN THE STATE OF CALIFORNIA. THE PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND-WATER WELLS IS COLLECTED BY THE CONTRACTOR AND HAULED TO THEIR FACILITY IN CARSON, CALIFORNIA FOR TEMPORARILY HOLDING PENDING TRANSPORT BY OTHERS TO FINAL DESTINATION.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BLAINE TECH), 20735 Belshaw Ave, Carson (310) 885-4455). BLAINE TECH. is authorized by Chevron Environmental Management Company (CHEVRON EMC) to recover, collect, apportion into loads, and haul the purgewater that is drawn from wells at the CHEVRON EMC facility indicated below and to deliver that purgewater to BLAINE TECH for temporarily holding. Transport routing of the purgewater may be direct from one CHEVRON EMC facility to BLAINE TECH; from one CHEVRON EMC facility to BLAINE TECH via another CHEVRON EMC facility; or any combination thereof. The well purgewater is and remains the property of CHEVRON EMC.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the Chevron facility described below:

306600	James P. Kiernan
CHEVRON #	Chevron Project Manager

3501	Corritos Ave	Los Alamitos	CA
street number	street name	city	state

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-19	1	MW-24S	1
MW-20	1	MW-24M	1
MW-21S	1	MW-24D	1
MW-21D	1	RMC-5	1
MW-22	1	RMC-6	1
MW-23S	1	RMC-7	1
MW-23M	1	VEW-1	1
MW-23D	1		/
added equip. rinse water	/ 5	any other adjustments	/

TOTAL GALS. RECOVERED 31 loaded onto BTS vehicle # 75

BTS event # 146207-TO1 time 14:30 date 2/5/19

Transporter signature

****

REC'D AT Carson time date 2/5/19

Unloaded/received by signature

CHEVRON-NORTHERN CALIFORNIA TYPE **A** BILL OF LADING BILL OF LADING No. 12

SOURCE RECORD **BILL OF LADING** FOR PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT CHEVRON FACILITIES IN THE STATE OF CALIFORNIA. THE PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND-WATER WELLS IS COLLECTED BY THE CONTRACTOR AND HAULED TO THEIR FACILITY IN CARSON, CALIFORNIA FOR TEMPORARILY HOLDING PENDING TRANSPORT BY OTHERS TO FINAL DESTINATION.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BLAINE TECH), 20735 Belshaw Ave, Carson (310) 885-4455). BLAINE TECH. is authorized by Chevron Environmental Management Company (CHEVRON EMC) to recover, collect, apportion into loads, and haul the purgewater that is drawn from wells at the CHEVRON EMC facility indicated below and to deliver that purgewater to BLAINE TECH for temporarily holding. Transport routing of the purgewater may be direct from one CHEVRON EMC facility to BLAINE TECH; from one CHEVRON EMC facility to BLAINE TECH via another CHEVRON EMC facility; or any combination thereof. The well purgewater is and remains the property of CHEVRON EMC.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the Chevron facility described below:

306609	James P. Kiernan
CHEVRON #	Chevron Project Manager

3501	Gerrity Ave	Los Alamitos	CA
street number	street name	city	state

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-1	1	MW-15	1
MW-2	1	MW-15D	1
MW-5	1	MW-16	1
MW-6	1	MW-16D	1
MW-7	1	MW-17	1
MW-11	1	MW-17D	1
MW-14	1	MW-18	1
MW-14D	1	MW-18D	1

added equip. rinse water 15

any other adjustments /

TOTAL GALS. RECOVERED 31

loaded onto BTS vehicle # 75

BTS event # 190609-TST time 1430 date 2/5/19

Transporter signature

****

REC'D AT Carson time 1 date 2/5/19

Unloaded/received by signature

Blaine Tech Services, Inc.

Permit To Work

for Chevron EMC Sites

Client: Chevron Date 2/4/19

Site Address: 3501 Cerritos Ave, Los Alamitos

Job Number: 190204-TJ1 Technician(s): TJ

Pre-Job Safety Review

1. JMP reviewed, site restrictions and parking/access issues addressed. Reviewed: ☒

2. Special Permit Required Task Review

Are there any conditions or tasks that would require:	**Yes**	**No**
Confined space entry	☐	☒
Working at height	☐	☒
Lock-out/Tag-out	☐	☒
Excavations greater than 4 feet deep	☐	☒
Excavations within 3 feet of a buried active electrical line or product piping or within 10 feet of a high pressure gas line.	☐	☒
Use of overhead equipment within 15 feet of an overhead electrical power line or pole supporting one	☐	☒
Hot work	☐	☒

If "Yes" was the answer to any of the Special Permit Required Tasks above, the Project Manager will contact the client and arrange to modify the Scope of Work so that the Special Permit Required Tasks are not required to be performed by Blaine Tech Services employees.

3. Is a Traffic Control Permit required for today's work?	**Yes**	**No**
	☒	☐
If so is it in the folder?	☒	☐
Is it current?	☒	☐
Do you understand the Traffic Control Plan and what equipment you will need?	☐	☐

On site Pre-Job Safety Review

1. Reviewed and signed the site specific HASP.	☒
2. Route to hospital understood.	☒
3. Reviewed "Groundwater Monitoring Well Sampling General Job Safety Analysis included in the HASP.	☒
4. Exceptional circumstances today that are not covered by the HASP, JSA or JMP have been addressed and mitigated.	☒
5. Understands procedure to follow, if site circumstances change, to address new site hazards.	☒
6. There are no unexpected conditions which would make your task a Special Permit Required Task. If there is, contact your Project Manager.	☒
7. All site hazards have been communicated to all necessary onsite personnel during tailgate safety meeting.	☒
8. After lunch tailgate safety meeting refresher conducted.	☒

If Checklist Task cannot be completed, explain:

Permit To Work Authority: Ryan Prewost PM 2/1/19 1530

Name Title Date Time

ATTACHMENT B

Laboratory Report and Chain-of-Custody Documentation

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WORK ORDER NUMBER: 19-02-0330

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ARCADIS U.S., Inc.

Client Project Name: Chevron 306600

Attention: Jason Almcrantz
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Vikas Patel

Approved for release on 02/21/2019 by:
Vikas Patel
Project Manager

ResultLink

Email your PM

Eurofins Calscience (Calscience) certifies that the test results provided in this report meet all NELAC Institute requirements for parameters for which accreditation is required or available. Any exceptions to NELAC Institute requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Work Order Number: 19-02-0330

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Work Order Narrative

Work Order: 19-02-0330 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 02/05/19. They were assigned to Work Order 19-02-0330.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

DoD Projects:

The test results contained in this report are accredited under the laboratory's ISO/IEC 17025:2005 and DoD-ELAP accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation ADE-1864.

Due to lab error EPA 8015 TPH-Diesel and Jet-A were extracted outside holding time.

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Sample Summary

Client:	ARCADIS U.S., Inc. 111 SW Columbia Street, Suite 670 Portland, OR 97201-5872	Work Order:	19-02-0330
		Project Name:	Chevron 306600
		PO Number:	
		Date/Time Received:	02/05/19 18:40
		Number of Containers:	266
Attn:	Jason Almcrantz		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
QA-T-190204	19-02-0330-1	02/04/19 07:00	2	Aqueous
MW-15D-T-190204	19-02-0330-2	02/04/19 14:30	8	Aqueous
MW-17D-T-190204	19-02-0330-3	02/04/19 14:03	8	Aqueous
MW-17-T-190204	19-02-0330-4	02/04/19 13:30	8	Aqueous
MW-14-T-190204	19-02-0330-5	02/04/19 12:06	8	Aqueous
MW-14D-T-190204	19-02-0330-6	02/04/19 11:37	8	Aqueous
DUP-2-WD-190204	19-02-0330-7	02/04/19 12:16	8	Aqueous
RMC-6-T-190204	19-02-0330-8	02/04/19 11:05	8	Aqueous
MW-21S-T-190204	19-02-0330-9	02/04/19 10:28	8	Aqueous
MW-19-T-190204	19-02-0330-10	02/04/19 09:57	8	Aqueous
MW-20-T-190204	19-02-0330-11	02/04/19 09:20	8	Aqueous
MW-5-T-190204	19-02-0330-12	02/04/19 08:39	8	Aqueous
MW-1-T-190204	19-02-0330-13	02/04/19 13:28	8	Aqueous
VEW-1-T-190204	19-02-0330-14	02/04/19 11:54	8	Aqueous
RMC-5-T-190204	19-02-0330-15	02/04/19 11:16	8	Aqueous
RMC-7-T-190204	19-02-0330-16	02/04/19 10:41	8	Aqueous
MW-21D-T-190204	19-02-0330-17	02/04/19 10:11	8	Aqueous
MW-16D-T-190204	19-02-0330-18	02/04/19 09:31	8	Aqueous
MW-16-T-190204	19-02-0330-19	02/04/19 08:56	8	Aqueous
DUP-1-WD-190204	19-02-0330-20	02/04/19 09:06	8	Aqueous
MW-18D-T-190204	19-02-0330-21	02/04/19 08:28	8	Aqueous
MW-18-T-190204	19-02-0330-22	02/04/19 08:06	8	Aqueous
MW-2-T-190204	19-02-0330-23	02/04/19 13:51	8	Aqueous
MW-22-T-190205	19-02-0330-24	02/05/19 06:47	8	Aqueous
MW-23S-T-190205	19-02-0330-25	02/05/19 08:40	8	Aqueous
MW-23M-T-190205	19-02-0330-26	02/05/19 08:04	8	Aqueous
MW-23D-T-190205	19-02-0330-27	02/05/19 07:28	8	Aqueous
MW-24S-T-190205	19-02-0330-28	02/05/19 10:30	8	Aqueous
MW-24M-T-190205	19-02-0330-29	02/05/19 09:53	8	Aqueous
MW-24D-T-190205	19-02-0330-30	02/05/19 09:15	8	Aqueous
MW-15-T-190205	19-02-0330-31	02/05/19 11:03	8	Aqueous
MW-13-T-190205	19-02-0330-32	02/05/19 12:48	8	Aqueous
MW-7-T-190205	19-02-0330-33	02/05/19 13:28	8	Aqueous
MW-6-T-190205	19-02-0330-34	02/05/19 14:06	8	Aqueous

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Detections Summary

Client:	ARCADIS U.S., Inc.	Work Order:	19-02-0330
	111 SW Columbia Street, Suite 670	Project Name:	Chevron 306600
	Portland, OR 97201-5872	Received:	02/05/19
Attn:	Jason Almcrantz		

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
MW-15D-T-190204 (19-02-0330-2)						
C13-C22 TPH Diesel Range	20	J,ET	16*	ug/L	EPA 8015B (M)	EPA 3510C
C13-C40 Total	21	J,ET	16*	ug/L	EPA 8015B (M)	EPA 3510C
1,2-Dichloroethane	0.65		0.50	ug/L	EPA 8260B	EPA 5030C
MW-17-T-190204 (19-02-0330-4)						
TPH as Jet A	380	HD,ET	50	ug/L	EPA 8015B (M)	EPA 3510C
C13-C14	50	J,ET	16*	ug/L	EPA 8015B (M)	EPA 3510C
C15-C16	16	J,ET	16*	ug/L	EPA 8015B (M)	EPA 3510C
C13-C22 TPH Diesel Range	76	ET	50	ug/L	EPA 8015B (M)	EPA 3510C
C13-C40 Total	79	ET	50	ug/L	EPA 8015B (M)	EPA 3510C
TPH as Gasoline	1100	HD	50	ug/L	EPA 8015B (M)	EPA 5030C
C4-C5	530		50	ug/L	EPA 8015B (M)	EPA 5030C
C6	300		50	ug/L	EPA 8015B (M)	EPA 5030C
C7	87		50	ug/L	EPA 8015B (M)	EPA 5030C
C8	35	J	15*	ug/L	EPA 8015B (M)	EPA 5030C
C9-C10	100		50	ug/L	EPA 8015B (M)	EPA 5030C
C11-C12	83		50	ug/L	EPA 8015B (M)	EPA 5030C
GRO (C4-C12) Total	1100		50	ug/L	EPA 8015B (M)	EPA 5030C
TPH as Diesel	110	SG,HD,ET	50	ug/L	EPA 8015B (M)	EPA 3510/SG 10
Acetone	17	J	10*	ug/L	EPA 8260B	EPA 5030C
Benzene	49		1.0	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	0.23	J	0.19*	ug/L	EPA 8260B	EPA 5030C
Isopropylbenzene	0.45	J	0.16*	ug/L	EPA 8260B	EPA 5030C
p-Isopropyltoluene	0.33	J	0.22*	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	0.68	J	0.18*	ug/L	EPA 8260B	EPA 5030C
Toluene	2.5		1.0	ug/L	EPA 8260B	EPA 5030C
1,3,5-Trimethylbenzene	0.32	J	0.17*	ug/L	EPA 8260B	EPA 5030C
p/m-Xylene	1.4	J	0.31*	ug/L	EPA 8260B	EPA 5030C
o-Xylene	0.19	J	0.15*	ug/L	EPA 8260B	EPA 5030C
Xylenes (total)	1.6	JA	1.0	ug/L	EPA 8260B	EPA 5030C
Methyl-t-Butyl Ether (MTBE)	47		1.0	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	270		10	ug/L	EPA 8260B	EPA 5030C
Diisopropyl Ether (DIPE)	0.92	J	0.16*	ug/L	EPA 8260B	EPA 5030C

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Detections Summary

Client:	ARCADIS U.S., Inc.	Work Order:	19-02-0330
	111 SW Columbia Street, Suite 670	Project Name:	Chevron 306600
	Portland, OR 97201-5872	Received:	02/05/19
Attn:	Jason Almcrantz		Page 2 of 18

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
MW-14-T-190204 (19-02-0330-5)						
TPH as Jet A	3300	HD,ET	50	ug/L	EPA 8015B (M)	EPA 3510C
C13-C14	190	ET	50	ug/L	EPA 8015B (M)	EPA 3510C
C15-C16	19	J,ET	16*	ug/L	EPA 8015B (M)	EPA 3510C
C13-C22 TPH Diesel Range	220	ET	50	ug/L	EPA 8015B (M)	EPA 3510C
C13-C40 Total	220	ET	50	ug/L	EPA 8015B (M)	EPA 3510C
TPH as Gasoline	23000		500	ug/L	EPA 8015B (M)	EPA 5030C
C4-C5	5700		500	ug/L	EPA 8015B (M)	EPA 5030C
C6	8100		500	ug/L	EPA 8015B (M)	EPA 5030C
C7	1800		500	ug/L	EPA 8015B (M)	EPA 5030C
C8	3100		500	ug/L	EPA 8015B (M)	EPA 5030C
C9-C10	3100		500	ug/L	EPA 8015B (M)	EPA 5030C
C11-C12	1200		500	ug/L	EPA 8015B (M)	EPA 5030C
GRO (C4-C12) Total	23000		500	ug/L	EPA 8015B (M)	EPA 5030C
TPH as Diesel	280	SG,HD,ET	50	ug/L	EPA 8015B (M)	EPA 3510/SG 10
Benzene	2800		20	ug/L	EPA 8260B	EPA 5030C
n-Butylbenzene	14	J	6.0*	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	4.3	J	3.8*	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	460		20	ug/L	EPA 8260B	EPA 5030C
Isopropylbenzene	27		20	ug/L	EPA 8260B	EPA 5030C
Naphthalene	270		200	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	57		20	ug/L	EPA 8260B	EPA 5030C
Toluene	730		20	ug/L	EPA 8260B	EPA 5030C
1,2,4-Trimethylbenzene	440		20	ug/L	EPA 8260B	EPA 5030C
1,3,5-Trimethylbenzene	110		20	ug/L	EPA 8260B	EPA 5030C
p/m-Xylene	870		40	ug/L	EPA 8260B	EPA 5030C
o-Xylene	450		20	ug/L	EPA 8260B	EPA 5030C
Xylenes (total)	1300		20	ug/L	EPA 8260B	EPA 5030C
Methyl-t-Butyl Ether (MTBE)	20	J	3.2*	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	440		200	ug/L	EPA 8260B	EPA 5030C

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Detections Summary

Client: ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Work Order: 19-02-0330
Project Name: Chevron 306600
Received: 02/05/19

Attn: Jason Almcrantz

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
MW-14D-T-190204 (19-02-0330-6)						
TPH as Jet A	73	HD,ET	50	ug/L	EPA 8015B (M)	EPA 3510C
C13-C22 TPH Diesel Range	42	J,ET	16*	ug/L	EPA 8015B (M)	EPA 3510C
C13-C40 Total	47	J,ET	16*	ug/L	EPA 8015B (M)	EPA 3510C
TPH as Gasoline	37	J	29*	ug/L	EPA 8015B (M)	EPA 5030C
GRO (C4-C12) Total	39	J	18*	ug/L	EPA 8015B (M)	EPA 5030C
1,2-Dichloroethane	14		0.50	ug/L	EPA 8260B	EPA 5030C
Methyl-t-Butyl Ether (MTBE)	0.18	J	0.16*	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	38		10	ug/L	EPA 8260B	EPA 5030C
Diisopropyl Ether (DIPE)	1.3	J	0.16*	ug/L	EPA 8260B	EPA 5030C
DUP-2-WD-190204 (19-02-0330-7)						
TPH as Jet A	5000	HD,ET	49	ug/L	EPA 8015B (M)	EPA 3510C
C13-C14	190	ET	49	ug/L	EPA 8015B (M)	EPA 3510C
C13-C22 TPH Diesel Range	210	ET	49	ug/L	EPA 8015B (M)	EPA 3510C
C13-C40 Total	210	ET	49	ug/L	EPA 8015B (M)	EPA 3510C
TPH as Gasoline	14000		500	ug/L	EPA 8015B (M)	EPA 5030C
C4-C5	3400		500	ug/L	EPA 8015B (M)	EPA 5030C
C6	4900		500	ug/L	EPA 8015B (M)	EPA 5030C
C7	1100		500	ug/L	EPA 8015B (M)	EPA 5030C
C8	1900		500	ug/L	EPA 8015B (M)	EPA 5030C
C9-C10	2000		500	ug/L	EPA 8015B (M)	EPA 5030C
C11-C12	850		500	ug/L	EPA 8015B (M)	EPA 5030C
GRO (C4-C12) Total	14000		500	ug/L	EPA 8015B (M)	EPA 5030C
TPH as Diesel	2000	SG,HD,ET	49	ug/L	EPA 8015B (M)	EPA 3510/SG 10
Benzene	2400		50	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	380		50	ug/L	EPA 8260B	EPA 5030C
Isopropylbenzene	22	J	8.1*	ug/L	EPA 8260B	EPA 5030C
Naphthalene	410	J	250*	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	46	J	8.8*	ug/L	EPA 8260B	EPA 5030C
Toluene	600		50	ug/L	EPA 8260B	EPA 5030C
1,2,4-Trimethylbenzene	350		50	ug/L	EPA 8260B	EPA 5030C
1,3,5-Trimethylbenzene	91		50	ug/L	EPA 8260B	EPA 5030C
p/m-Xylene	730		100	ug/L	EPA 8260B	EPA 5030C
o-Xylene	370		50	ug/L	EPA 8260B	EPA 5030C
Xylenes (total)	1100		50	ug/L	EPA 8260B	EPA 5030C
Methyl-t-Butyl Ether (MTBE)	16	J	8.1*	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	490	J	150*	ug/L	EPA 8260B	EPA 5030C

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Detections Summary

Client:	ARCADIS U.S., Inc.	Work Order:	19-02-0330
	111 SW Columbia Street, Suite 670	Project Name:	Chevron 306600
	Portland, OR 97201-5872	Received:	02/05/19
Attn:	Jason Almcrantz		

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
RMC-6-T-190204 (19-02-0330-8)						
C13-C22 TPH Diesel Range	24	J,ET	16*	ug/L	EPA 8015B (M)	EPA 3510C
C23-C40 TPH Motor Oil Range	20	J,ET	16*	ug/L	EPA 8015B (M)	EPA 3510C
C13-C40 Total	43	J,ET	16*	ug/L	EPA 8015B (M)	EPA 3510C
TPH as Gasoline	160		50	ug/L	EPA 8015B (M)	EPA 5030C
C4-C5	45	J	15*	ug/L	EPA 8015B (M)	EPA 5030C
C6	38	J	14*	ug/L	EPA 8015B (M)	EPA 5030C
C8	17	J	15*	ug/L	EPA 8015B (M)	EPA 5030C
C9-C10	30	J	15*	ug/L	EPA 8015B (M)	EPA 5030C
C11-C12	29	J	18*	ug/L	EPA 8015B (M)	EPA 5030C
GRO (C4-C12) Total	170		50	ug/L	EPA 8015B (M)	EPA 5030C
1,2-Dichloroethane	11		0.50	ug/L	EPA 8260B	EPA 5030C
Methyl-t-Butyl Ether (MTBE)	0.75	J	0.16*	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	43		10	ug/L	EPA 8260B	EPA 5030C
Diisopropyl Ether (DIPE)	0.46	J	0.16*	ug/L	EPA 8260B	EPA 5030C
MW-21S-T-190204 (19-02-0330-9)						
TPH as Jet A	71	HD,ET	50	ug/L	EPA 8015B (M)	EPA 3510C
C13-C40 Total	25	J,ET	16*	ug/L	EPA 8015B (M)	EPA 3510C
TPH as Gasoline	170	HD	50	ug/L	EPA 8015B (M)	EPA 5030C
C4-C5	40	J	15*	ug/L	EPA 8015B (M)	EPA 5030C
C6	27	J	14*	ug/L	EPA 8015B (M)	EPA 5030C
C7	29	J	15*	ug/L	EPA 8015B (M)	EPA 5030C
C8	19	J	15*	ug/L	EPA 8015B (M)	EPA 5030C
C9-C10	39	J	15*	ug/L	EPA 8015B (M)	EPA 5030C
C11-C12	20	J	18*	ug/L	EPA 8015B (M)	EPA 5030C
GRO (C4-C12) Total	170		50	ug/L	EPA 8015B (M)	EPA 5030C
TPH as Diesel	36	SG,HD,J,ET	16*	ug/L	EPA 8015B (M)	EPA 3510/SG 10
sec-Butylbenzene	0.49	J	0.19*	ug/L	EPA 8260B	EPA 5030C
Isopropylbenzene	0.66	J	0.16*	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	0.71	J	0.18*	ug/L	EPA 8260B	EPA 5030C
Methyl-t-Butyl Ether (MTBE)	0.79	J	0.16*	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	12		10	ug/L	EPA 8260B	EPA 5030C
Diisopropyl Ether (DIPE)	0.36	J	0.16*	ug/L	EPA 8260B	EPA 5030C

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Detections Summary

Client:	ARCADIS U.S., Inc.	Work Order:	19-02-0330
	111 SW Columbia Street, Suite 670	Project Name:	Chevron 306600
	Portland, OR 97201-5872	Received:	02/05/19
Attn:	Jason Almcrantz		

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
MW-19-T-190204 (19-02-0330-10)						
TPH as Jet A	850	HD,ET	47	ug/L	EPA 8015B (M)	EPA 3510C
C13-C14	280	ET	47	ug/L	EPA 8015B (M)	EPA 3510C
C15-C16	74	ET	47	ug/L	EPA 8015B (M)	EPA 3510C
C17-C18	25	J,ET	15*	ug/L	EPA 8015B (M)	EPA 3510C
C19-C20	16	J,ET	15*	ug/L	EPA 8015B (M)	EPA 3510C
C13-C22 TPH Diesel Range	410	ET	47	ug/L	EPA 8015B (M)	EPA 3510C
C13-C40 Total	410	ET	47	ug/L	EPA 8015B (M)	EPA 3510C
TPH as Gasoline	43000	HD	250	ug/L	EPA 8015B (M)	EPA 5030C
C4-C5	14000		250	ug/L	EPA 8015B (M)	EPA 5030C
C6	21000		250	ug/L	EPA 8015B (M)	EPA 5030C
C7	2200		250	ug/L	EPA 8015B (M)	EPA 5030C
C8	2100		250	ug/L	EPA 8015B (M)	EPA 5030C
C9-C10	2000		250	ug/L	EPA 8015B (M)	EPA 5030C
C11-C12	1200		250	ug/L	EPA 8015B (M)	EPA 5030C
GRO (C4-C12) Total	43000		250	ug/L	EPA 8015B (M)	EPA 5030C
TPH as Diesel	220	SG,HD,ET	47	ug/L	EPA 8015B (M)	EPA 3510/SG 10
Benzene	12000		100	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	960		100	ug/L	EPA 8260B	EPA 5030C
Isopropylbenzene	48	J	16*	ug/L	EPA 8260B	EPA 5030C
Naphthalene	590	J	510*	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	96	J	18*	ug/L	EPA 8260B	EPA 5030C
Toluene	210		100	ug/L	EPA 8260B	EPA 5030C
p/m-Xylene	59	J	31*	ug/L	EPA 8260B	EPA 5030C
o-Xylene	19	J	15*	ug/L	EPA 8260B	EPA 5030C
Xylenes (total)	77	JA	100	ug/L	EPA 8260B	EPA 5030C
Methyl-t-Butyl Ether (MTBE)	1100		100	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	6400		1000	ug/L	EPA 8260B	EPA 5030C

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Detections Summary

Client:	ARCADIS U.S., Inc.	Work Order:	19-02-0330
	111 SW Columbia Street, Suite 670	Project Name:	Chevron 306600
	Portland, OR 97201-5872	Received:	02/05/19
Attn:	Jason Almcrantz		Page 6 of 18

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
MW-20-T-190204 (19-02-0330-11)						
TPH as Jet A	5700	HD,ET	47	ug/L	EPA 8015B (M)	EPA 3510C
C13-C14	290	ET	47	ug/L	EPA 8015B (M)	EPA 3510C
C15-C16	57	ET	47	ug/L	EPA 8015B (M)	EPA 3510C
C17-C18	18	J,ET	15*	ug/L	EPA 8015B (M)	EPA 3510C
C13-C22 TPH Diesel Range	370	ET	47	ug/L	EPA 8015B (M)	EPA 3510C
C13-C40 Total	370	ET	47	ug/L	EPA 8015B (M)	EPA 3510C
TPH as Gasoline	1600	HD	50	ug/L	EPA 8015B (M)	EPA 5030C
C4-C5	460		50	ug/L	EPA 8015B (M)	EPA 5030C
C6	630		50	ug/L	EPA 8015B (M)	EPA 5030C
C7	64		50	ug/L	EPA 8015B (M)	EPA 5030C
C8	190		50	ug/L	EPA 8015B (M)	EPA 5030C
C9-C10	140		50	ug/L	EPA 8015B (M)	EPA 5030C
C11-C12	66		50	ug/L	EPA 8015B (M)	EPA 5030C
GRO (C4-C12) Total	1600		50	ug/L	EPA 8015B (M)	EPA 5030C
TPH as Diesel	2500	SG,HD,ET	47	ug/L	EPA 8015B (M)	EPA 3510/SG 10
Benzene	3800		25	ug/L	EPA 8260B	EPA 5030C
n-Butylbenzene	16	J	7.5*	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	7.1	J	4.7*	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	1200		25	ug/L	EPA 8260B	EPA 5030C
Isopropylbenzene	56		25	ug/L	EPA 8260B	EPA 5030C
Naphthalene	360		250	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	120		25	ug/L	EPA 8260B	EPA 5030C
Toluene	130		25	ug/L	EPA 8260B	EPA 5030C
1,2,4-Trimethylbenzene	32		25	ug/L	EPA 8260B	EPA 5030C
1,3,5-Trimethylbenzene	68		25	ug/L	EPA 8260B	EPA 5030C
p/m-Xylene	390		50	ug/L	EPA 8260B	EPA 5030C
o-Xylene	8.4	J	3.8*	ug/L	EPA 8260B	EPA 5030C
Xylenes (total)	400	JA	25	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	520		250	ug/L	EPA 8260B	EPA 5030C
MW-5-T-190204 (19-02-0330-12)						
C13-C40 Total	17	J,ET	16*	ug/L	EPA 8015B (M)	EPA 3510C
GRO (C4-C12) Total	21	J	18*	ug/L	EPA 8015B (M)	EPA 5030C
1,2-Dichloroethane	0.27	J	0.19*	ug/L	EPA 8260B	EPA 5030C
MW-1-T-190204 (19-02-0330-13)						
TPH as Jet A	42	HD,J,ET	42*	ug/L	EPA 8015B (M)	EPA 3510C
C13-C22 TPH Diesel Range	32	J,ET	16*	ug/L	EPA 8015B (M)	EPA 3510C
C13-C40 Total	42	J,ET	16*	ug/L	EPA 8015B (M)	EPA 3510C

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Detections Summary

Client:	ARCADIS U.S., Inc.	Work Order:	19-02-0330
	111 SW Columbia Street, Suite 670	Project Name:	Chevron 306600
	Portland, OR 97201-5872	Received:	02/05/19
Attn:	Jason Almcrantz		

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
VEW-1-T-190204 (19-02-0330-14)						
TPH as Jet A	3600	HD,ET	46	ug/L	EPA 8015B (M)	EPA 3510C
C13-C14	43	J,ET	15*	ug/L	EPA 8015B (M)	EPA 3510C
C15-C16	3300	ET	46	ug/L	EPA 8015B (M)	EPA 3510C
C13-C22 TPH Diesel Range	3300	ET	46	ug/L	EPA 8015B (M)	EPA 3510C
C23-C40 TPH Motor Oil Range	32	J,ET	15*	ug/L	EPA 8015B (M)	EPA 3510C
C13-C40 Total	3400	ET	46	ug/L	EPA 8015B (M)	EPA 3510C
TPH as Gasoline	47	J	29*	ug/L	EPA 8015B (M)	EPA 5030C
C9-C10	23	J	15*	ug/L	EPA 8015B (M)	EPA 5030C
GRO (C4-C12) Total	47	J	18*	ug/L	EPA 8015B (M)	EPA 5030C
TPH as Diesel	19	SG,HD,J,ET	15*	ug/L	EPA 8015B (M)	EPA 3510/SG 10
Isopropylbenzene	0.84	J	0.16*	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	0.28	J	0.18*	ug/L	EPA 8260B	EPA 5030C
Methyl-t-Butyl Ether (MTBE)	2.8		1.0	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	35		10	ug/L	EPA 8260B	EPA 5030C

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Detections Summary

Client:	ARCADIS U.S., Inc.	Work Order:	19-02-0330
	111 SW Columbia Street, Suite 670	Project Name:	Chevron 306600
	Portland, OR 97201-5872	Received:	02/05/19
Attn:	Jason Almcrantz		

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
RMC-5-T-190204 (19-02-0330-15)						
TPH as Jet A	840	HD,ET	49	ug/L	EPA 8015B (M)	EPA 3510C
C13-C14	120	ET	49	ug/L	EPA 8015B (M)	EPA 3510C
C15-C16	29	J,ET	16*	ug/L	EPA 8015B (M)	EPA 3510C
C13-C22 TPH Diesel Range	160	ET	49	ug/L	EPA 8015B (M)	EPA 3510C
C13-C40 Total	170	ET	49	ug/L	EPA 8015B (M)	EPA 3510C
TPH as Gasoline	970	HD	50	ug/L	EPA 8015B (M)	EPA 5030C
C4-C5	280		50	ug/L	EPA 8015B (M)	EPA 5030C
C6	49	J	14*	ug/L	EPA 8015B (M)	EPA 5030C
C7	78		50	ug/L	EPA 8015B (M)	EPA 5030C
C8	61		50	ug/L	EPA 8015B (M)	EPA 5030C
C9-C10	350		50	ug/L	EPA 8015B (M)	EPA 5030C
C11-C12	150		50	ug/L	EPA 8015B (M)	EPA 5030C
GRO (C4-C12) Total	970		50	ug/L	EPA 8015B (M)	EPA 5030C
TPH as Diesel	280	SG,HD,ET	49	ug/L	EPA 8015B (M)	EPA 3510/SG 10
Benzene	3.5		1.0	ug/L	EPA 8260B	EPA 5030C
n-Butylbenzene	3.2		1.0	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	5.5		1.0	ug/L	EPA 8260B	EPA 5030C
tert-Butylbenzene	0.41	J	0.25*	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	0.73	J	0.14*	ug/L	EPA 8260B	EPA 5030C
Isopropylbenzene	41		1.0	ug/L	EPA 8260B	EPA 5030C
p-Isopropyltoluene	0.34	J	0.22*	ug/L	EPA 8260B	EPA 5030C
Naphthalene	23		10	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	28		1.0	ug/L	EPA 8260B	EPA 5030C
Toluene	0.14	J	0.13*	ug/L	EPA 8260B	EPA 5030C
1,3,5-Trimethylbenzene	0.19	J	0.17*	ug/L	EPA 8260B	EPA 5030C
p/m-Xylene	1.2	J	0.31*	ug/L	EPA 8260B	EPA 5030C
Xylenes (total)	1.2	JA	1.0	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	13		10	ug/L	EPA 8260B	EPA 5030C

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Detections Summary

Client:	ARCADIS U.S., Inc.	Work Order:	19-02-0330
	111 SW Columbia Street, Suite 670	Project Name:	Chevron 306600
	Portland, OR 97201-5872	Received:	02/05/19
Attn:	Jason Almcrantz		

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
RMC-7-T-190204 (19-02-0330-16)						
TPH as Jet A	480	HD,ET	50	ug/L	EPA 8015B (M)	EPA 3510C
C13-C14	97	ET	50	ug/L	EPA 8015B (M)	EPA 3510C
C15-C16	57	ET	50	ug/L	EPA 8015B (M)	EPA 3510C
C17-C18	29	J,ET	16*	ug/L	EPA 8015B (M)	EPA 3510C
C13-C22 TPH Diesel Range	210	ET	50	ug/L	EPA 8015B (M)	EPA 3510C
C13-C40 Total	210	ET	50	ug/L	EPA 8015B (M)	EPA 3510C
TPH as Gasoline	140	HD	50	ug/L	EPA 8015B (M)	EPA 5030C
C4-C5	22	J	15*	ug/L	EPA 8015B (M)	EPA 5030C
C9-C10	53		50	ug/L	EPA 8015B (M)	EPA 5030C
GRO (C4-C12) Total	120		50	ug/L	EPA 8015B (M)	EPA 5030C
TPH as Diesel	27	SG,HD,J,ET	16*	ug/L	EPA 8015B (M)	EPA 3510/SG 10
Chloroethane	1.4	J	0.76*	ug/L	EPA 8260B	EPA 5030C
1,2-Dichloroethane	8.7		0.50	ug/L	EPA 8260B	EPA 5030C
Isopropylbenzene	0.18	J	0.16*	ug/L	EPA 8260B	EPA 5030C
Naphthalene	6.3	J	5.1*	ug/L	EPA 8260B	EPA 5030C
Methyl-t-Butyl Ether (MTBE)	5.6		1.0	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	630		10	ug/L	EPA 8260B	EPA 5030C
Diisopropyl Ether (DIPE)	5.0		2.0	ug/L	EPA 8260B	EPA 5030C
Ethanol	59	J	53*	ug/L	EPA 8260B	EPA 5030C
MW-21D-T-190204 (19-02-0330-17)						
C13-C40 Total	15	J,ET	15*	ug/L	EPA 8015B (M)	EPA 3510C
Tert-Butyl Alcohol (TBA)	220		10	ug/L	EPA 8260B	EPA 5030C
Ethanol	78	J	53*	ug/L	EPA 8260B	EPA 5030C

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Detections Summary

Client:	ARCADIS U.S., Inc.	Work Order:	19-02-0330
	111 SW Columbia Street, Suite 670	Project Name:	Chevron 306600
	Portland, OR 97201-5872	Received:	02/05/19
Attn:	Jason Almcrantz		

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
MW-16D-T-190204 (19-02-0330-18)						
TPH as Jet A	1900	HD,ET	48	ug/L	EPA 8015B (M)	EPA 3510C
C13-C14	130	ET	48	ug/L	EPA 8015B (M)	EPA 3510C
C15-C16	41	J,ET	15*	ug/L	EPA 8015B (M)	EPA 3510C
C13-C22 TPH Diesel Range	200	ET	48	ug/L	EPA 8015B (M)	EPA 3510C
C13-C40 Total	200	ET	48	ug/L	EPA 8015B (M)	EPA 3510C
TPH as Gasoline	4100	HD	500	ug/L	EPA 8015B (M)	EPA 5030C
C4-C5	890		500	ug/L	EPA 8015B (M)	EPA 5030C
C6	2400		500	ug/L	EPA 8015B (M)	EPA 5030C
C7	150	J	150*	ug/L	EPA 8015B (M)	EPA 5030C
C9-C10	410	J	150*	ug/L	EPA 8015B (M)	EPA 5030C
GRO (C4-C12) Total	4100		500	ug/L	EPA 8015B (M)	EPA 5030C
TPH as Diesel	570	SG,HD,ET	48	ug/L	EPA 8015B (M)	EPA 3510/SG 10
Benzene	1800		10	ug/L	EPA 8260B	EPA 5030C
n-Butylbenzene	5.8	J	3.0*	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	4.0	J	1.9*	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	80		10	ug/L	EPA 8260B	EPA 5030C
Isopropylbenzene	37		10	ug/L	EPA 8260B	EPA 5030C
Naphthalene	110		100	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	73		10	ug/L	EPA 8260B	EPA 5030C
Toluene	23		10	ug/L	EPA 8260B	EPA 5030C
1,2,4-Trimethylbenzene	2.4	J	2.1*	ug/L	EPA 8260B	EPA 5030C
p/m-Xylene	14	J	3.1*	ug/L	EPA 8260B	EPA 5030C
o-Xylene	2.6	J	1.5*	ug/L	EPA 8260B	EPA 5030C
Xylenes (total)	17	JA	10	ug/L	EPA 8260B	EPA 5030C
Methyl-t-Butyl Ether (MTBE)	14		10	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	270		100	ug/L	EPA 8260B	EPA 5030C

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Detections Summary

Client:	ARCADIS U.S., Inc.	Work Order:	19-02-0330
	111 SW Columbia Street, Suite 670	Project Name:	Chevron 306600
	Portland, OR 97201-5872	Received:	02/05/19
Attn:	Jason Almcrantz		

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
MW-16-T-190204 (19-02-0330-19)						
TPH as Jet A	280	HD,ET	46	ug/L	EPA 8015B (M)	EPA 3510C
C13-C14	40	J,ET	15*	ug/L	EPA 8015B (M)	EPA 3510C
C13-C22 TPH Diesel Range	47	ET	46	ug/L	EPA 8015B (M)	EPA 3510C
C13-C40 Total	49	ET	46	ug/L	EPA 8015B (M)	EPA 3510C
TPH as Gasoline	1200	HD	50	ug/L	EPA 8015B (M)	EPA 5030C
C4-C5	560		50	ug/L	EPA 8015B (M)	EPA 5030C
C6	270		50	ug/L	EPA 8015B (M)	EPA 5030C
C7	62		50	ug/L	EPA 8015B (M)	EPA 5030C
C8	57		50	ug/L	EPA 8015B (M)	EPA 5030C
C9-C10	190		50	ug/L	EPA 8015B (M)	EPA 5030C
C11-C12	77		50	ug/L	EPA 8015B (M)	EPA 5030C
GRO (C4-C12) Total	1200		50	ug/L	EPA 8015B (M)	EPA 5030C
Acetone	29		20	ug/L	EPA 8260B	EPA 5030C
Benzene	16		1.0	ug/L	EPA 8260B	EPA 5030C
2-Butanone	12	J	6.6*	ug/L	EPA 8260B	EPA 5030C
n-Butylbenzene	0.74	J	0.30*	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	0.87	J	0.19*	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	0.39	J	0.14*	ug/L	EPA 8260B	EPA 5030C
Isopropylbenzene	3.4		1.0	ug/L	EPA 8260B	EPA 5030C
p-Isopropyltoluene	0.94	J	0.22*	ug/L	EPA 8260B	EPA 5030C
Naphthalene	12		10	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	3.9		1.0	ug/L	EPA 8260B	EPA 5030C
Toluene	1.3		1.0	ug/L	EPA 8260B	EPA 5030C
1,2,4-Trimethylbenzene	38		1.0	ug/L	EPA 8260B	EPA 5030C
1,3,5-Trimethylbenzene	13		1.0	ug/L	EPA 8260B	EPA 5030C
p/m-Xylene	48		2.0	ug/L	EPA 8260B	EPA 5030C
o-Xylene	2.6		1.0	ug/L	EPA 8260B	EPA 5030C
Xylenes (total)	50		1.0	ug/L	EPA 8260B	EPA 5030C

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Detections Summary

Client:	ARCADIS U.S., Inc.	Work Order:	19-02-0330
	111 SW Columbia Street, Suite 670	Project Name:	Chevron 306600
	Portland, OR 97201-5872	Received:	02/05/19
Attn:	Jason Almcrantz		

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
DUP-1-WD-190204 (19-02-0330-20)						
TPH as Jet A	260	HD,ET	50	ug/L	EPA 8015B (M)	EPA 3510C
C13-C14	43	J,ET	16*	ug/L	EPA 8015B (M)	EPA 3510C
C13-C22 TPH Diesel Range	49	J,ET	16*	ug/L	EPA 8015B (M)	EPA 3510C
C13-C40 Total	53	ET	50	ug/L	EPA 8015B (M)	EPA 3510C
TPH as Gasoline	1400	HD	50	ug/L	EPA 8015B (M)	EPA 5030C
C4-C5	650		50	ug/L	EPA 8015B (M)	EPA 5030C
C6	320		50	ug/L	EPA 8015B (M)	EPA 5030C
C7	71		50	ug/L	EPA 8015B (M)	EPA 5030C
C8	67		50	ug/L	EPA 8015B (M)	EPA 5030C
C9-C10	220		50	ug/L	EPA 8015B (M)	EPA 5030C
C11-C12	84		50	ug/L	EPA 8015B (M)	EPA 5030C
GRO (C4-C12) Total	1400		50	ug/L	EPA 8015B (M)	EPA 5030C
Acetone	23		20	ug/L	EPA 8260B	EPA 5030C
Benzene	15		1.0	ug/L	EPA 8260B	EPA 5030C
2-Butanone	7.1	J	6.6*	ug/L	EPA 8260B	EPA 5030C
n-Butylbenzene	0.61	J	0.30*	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	0.90	J	0.19*	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	0.36	J	0.14*	ug/L	EPA 8260B	EPA 5030C
Isopropylbenzene	3.1		1.0	ug/L	EPA 8260B	EPA 5030C
p-Isopropyltoluene	0.88	J	0.22*	ug/L	EPA 8260B	EPA 5030C
Naphthalene	10		10	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	3.8		1.0	ug/L	EPA 8260B	EPA 5030C
Toluene	1.4		1.0	ug/L	EPA 8260B	EPA 5030C
1,2,4-Trimethylbenzene	37		1.0	ug/L	EPA 8260B	EPA 5030C
1,3,5-Trimethylbenzene	13		1.0	ug/L	EPA 8260B	EPA 5030C
p/m-Xylene	43		2.0	ug/L	EPA 8260B	EPA 5030C
o-Xylene	2.3		1.0	ug/L	EPA 8260B	EPA 5030C
Xylenes (total)	46		1.0	ug/L	EPA 8260B	EPA 5030C

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Detections Summary

Client: ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Work Order: 19-02-0330
Project Name: Chevron 306600
Received: 02/05/19

Attn: Jason Almcrantz

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
MW-18D-T-190204 (19-02-0330-21)						
TPH as Jet A	170	HD,ET	50	ug/L	EPA 8015B (M)	EPA 3510C
C13-C14	42	J,ET	16*	ug/L	EPA 8015B (M)	EPA 3510C
C15-C16	27	J,ET	16*	ug/L	EPA 8015B (M)	EPA 3510C
C13-C22 TPH Diesel Range	83	ET	50	ug/L	EPA 8015B (M)	EPA 3510C
C13-C40 Total	86	ET	50	ug/L	EPA 8015B (M)	EPA 3510C
TPH as Gasoline	95	HD	50	ug/L	EPA 8015B (M)	EPA 5030C
C4-C5	22	J	15*	ug/L	EPA 8015B (M)	EPA 5030C
C9-C10	45	J	15*	ug/L	EPA 8015B (M)	EPA 5030C
GRO (C4-C12) Total	92		50	ug/L	EPA 8015B (M)	EPA 5030C
Isopropylbenzene	0.96	J	0.16*	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	0.30	J	0.18*	ug/L	EPA 8260B	EPA 5030C
Methyl-t-Butyl Ether (MTBE)	3.6		1.0	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	14		10	ug/L	EPA 8260B	EPA 5030C
MW-18-T-190204 (19-02-0330-22)						
TPH as Gasoline	53	HD	50	ug/L	EPA 8015B (M)	EPA 5030C
C4-C5	15	J	15*	ug/L	EPA 8015B (M)	EPA 5030C
GRO (C4-C12) Total	53		50	ug/L	EPA 8015B (M)	EPA 5030C
sec-Butylbenzene	0.22	J	0.19*	ug/L	EPA 8260B	EPA 5030C
Isopropylbenzene	0.33	J	0.16*	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	0.28	J	0.18*	ug/L	EPA 8260B	EPA 5030C

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Detections Summary

Client:	ARCADIS U.S., Inc.	Work Order:	19-02-0330
	111 SW Columbia Street, Suite 670	Project Name:	Chevron 306600
	Portland, OR 97201-5872	Received:	02/05/19
Attn:	Jason Almcrantz		

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
MW-2-T-190204 (19-02-0330-23)						
TPH as Jet A	1400	HD,ET	47	ug/L	EPA 8015B (M)	EPA 3510C
C13-C14	150	ET	47	ug/L	EPA 8015B (M)	EPA 3510C
C15-C16	59	ET	47	ug/L	EPA 8015B (M)	EPA 3510C
C17-C18	29	J,ET	15*	ug/L	EPA 8015B (M)	EPA 3510C
C19-C20	22	J,ET	15*	ug/L	EPA 8015B (M)	EPA 3510C
C13-C22 TPH Diesel Range	270	ET	47	ug/L	EPA 8015B (M)	EPA 3510C
C23-C40 TPH Motor Oil Range	17	J,ET	15*	ug/L	EPA 8015B (M)	EPA 3510C
C13-C40 Total	290	ET	47	ug/L	EPA 8015B (M)	EPA 3510C
TPH as Gasoline	1000	HD	50	ug/L	EPA 8015B (M)	EPA 5030C
C4-C5	94		50	ug/L	EPA 8015B (M)	EPA 5030C
C6	36	J	14*	ug/L	EPA 8015B (M)	EPA 5030C
C7	98		50	ug/L	EPA 8015B (M)	EPA 5030C
C8	68		50	ug/L	EPA 8015B (M)	EPA 5030C
C9-C10	510		50	ug/L	EPA 8015B (M)	EPA 5030C
C11-C12	200		50	ug/L	EPA 8015B (M)	EPA 5030C
GRO (C4-C12) Total	1000		50	ug/L	EPA 8015B (M)	EPA 5030C
TPH as Diesel	410	SG,HD,ET	47	ug/L	EPA 8015B (M)	EPA 3510/SG 10
Benzene	3.1		1.0	ug/L	EPA 8260B	EPA 5030C
n-Butylbenzene	4.0		1.0	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	6.0		1.0	ug/L	EPA 8260B	EPA 5030C
tert-Butylbenzene	0.52	J	0.25*	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	0.80	J	0.14*	ug/L	EPA 8260B	EPA 5030C
Isopropylbenzene	47		1.0	ug/L	EPA 8260B	EPA 5030C
p-Isopropyltoluene	0.50	J	0.22*	ug/L	EPA 8260B	EPA 5030C
Naphthalene	9.0	J	5.1*	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	48		1.0	ug/L	EPA 8260B	EPA 5030C
p/m-Xylene	0.34	J	0.31*	ug/L	EPA 8260B	EPA 5030C
o-Xylene	0.17	J	0.15*	ug/L	EPA 8260B	EPA 5030C
Xylenes (total)	0.51	JA	1.0	ug/L	EPA 8260B	EPA 5030C
Methyl-t-Butyl Ether (MTBE)	1.9		1.0	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	15		10	ug/L	EPA 8260B	EPA 5030C
Diisopropyl Ether (DIPE)	0.63	J	0.16*	ug/L	EPA 8260B	EPA 5030C
Ethanol	57	J	53*	ug/L	EPA 8260B	EPA 5030C
MW-22-T-190205 (19-02-0330-24)						
1,2-Dichloroethane	0.19	J	0.19*	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	3.5	J	3.1*	ug/L	EPA 8260B	EPA 5030C
MW-23D-T-190205 (19-02-0330-27)						
C13-C40 Total	20	J,ET	15*	ug/L	EPA 8015B (M)	EPA 3510C

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Detections Summary

Client:	ARCADIS U.S., Inc.	Work Order:	19-02-0330
	111 SW Columbia Street, Suite 670	Project Name:	Chevron 306600
	Portland, OR 97201-5872	Received:	02/05/19
Attn:	Jason Almcrantz		

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
MW-24S-T-190205 (19-02-0330-28)						
TPH as Jet A	270	HD,ET	50	ug/L	EPA 8015B (M)	EPA 3510C
C13-C14	19	J,ET	16*	ug/L	EPA 8015B (M)	EPA 3510C
C13-C22 TPH Diesel Range	30	J,ET	16*	ug/L	EPA 8015B (M)	EPA 3510C
C13-C40 Total	42	J,ET	16*	ug/L	EPA 8015B (M)	EPA 3510C
TPH as Gasoline	390	HD	50	ug/L	EPA 8015B (M)	EPA 5030C
C4-C5	41	J	15*	ug/L	EPA 8015B (M)	EPA 5030C
C6	61		50	ug/L	EPA 8015B (M)	EPA 5030C
C7	31	J	15*	ug/L	EPA 8015B (M)	EPA 5030C
C8	25	J	15*	ug/L	EPA 8015B (M)	EPA 5030C
C9-C10	140		50	ug/L	EPA 8015B (M)	EPA 5030C
C11-C12	99		50	ug/L	EPA 8015B (M)	EPA 5030C
GRO (C4-C12) Total	390		50	ug/L	EPA 8015B (M)	EPA 5030C
TPH as Diesel	110	SG,HD,ET	50	ug/L	EPA 8015B (M)	EPA 3510/SG 10
Benzene	2.8		1.0	ug/L	EPA 8260B	EPA 5030C
n-Butylbenzene	4.0		1.0	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	1.5		1.0	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	9.6		1.0	ug/L	EPA 8260B	EPA 5030C
Isopropylbenzene	5.1		1.0	ug/L	EPA 8260B	EPA 5030C
p-Isopropyltoluene	0.76	J	0.22*	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	14		1.0	ug/L	EPA 8260B	EPA 5030C
Toluene	0.35	J	0.13*	ug/L	EPA 8260B	EPA 5030C
1,2,4-Trimethylbenzene	1.1		1.0	ug/L	EPA 8260B	EPA 5030C
1,3,5-Trimethylbenzene	3.5		1.0	ug/L	EPA 8260B	EPA 5030C
p/m-Xylene	0.92	J	0.31*	ug/L	EPA 8260B	EPA 5030C
o-Xylene	0.65	J	0.15*	ug/L	EPA 8260B	EPA 5030C
Xylenes (total)	1.6	JA	1.0	ug/L	EPA 8260B	EPA 5030C

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Detections Summary

Client:	ARCADIS U.S., Inc.	Work Order:	19-02-0330
	111 SW Columbia Street, Suite 670	Project Name:	Chevron 306600
	Portland, OR 97201-5872	Received:	02/05/19
Attn:	Jason Almcrantz		

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
MW-24M-T-190205 (19-02-0330-29)						
TPH as Jet A	150	HD,ET	49	ug/L	EPA 8015B (M)	EPA 3510C
C13-C14	36	J,ET	16*	ug/L	EPA 8015B (M)	EPA 3510C
C13-C22 TPH Diesel Range	56	ET	49	ug/L	EPA 8015B (M)	EPA 3510C
C13-C40 Total	58	ET	49	ug/L	EPA 8015B (M)	EPA 3510C
TPH as Gasoline	1000	HD	50	ug/L	EPA 8015B (M)	EPA 5030C
C4-C5	250		50	ug/L	EPA 8015B (M)	EPA 5030C
C6	210		50	ug/L	EPA 8015B (M)	EPA 5030C
C7	91		50	ug/L	EPA 8015B (M)	EPA 5030C
C8	72		50	ug/L	EPA 8015B (M)	EPA 5030C
C9-C10	270		50	ug/L	EPA 8015B (M)	EPA 5030C
C11-C12	150		50	ug/L	EPA 8015B (M)	EPA 5030C
GRO (C4-C12) Total	1000		50	ug/L	EPA 8015B (M)	EPA 5030C
TPH as Diesel	47	SG,HD,J,ET	16*	ug/L	EPA 8015B (M)	EPA 3510/SG 10
Benzene	12		1.0	ug/L	EPA 8260B	EPA 5030C
n-Butylbenzene	4.2		1.0	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	2.4		1.0	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	30		1.0	ug/L	EPA 8260B	EPA 5030C
Isopropylbenzene	10		1.0	ug/L	EPA 8260B	EPA 5030C
p-Isopropyltoluene	1.1		1.0	ug/L	EPA 8260B	EPA 5030C
Naphthalene	16		10	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	30		1.0	ug/L	EPA 8260B	EPA 5030C
Toluene	0.35	J	0.13*	ug/L	EPA 8260B	EPA 5030C
1,2,4-Trimethylbenzene	20		1.0	ug/L	EPA 8260B	EPA 5030C
1,3,5-Trimethylbenzene	10		1.0	ug/L	EPA 8260B	EPA 5030C
p/m-Xylene	3.0		2.0	ug/L	EPA 8260B	EPA 5030C
o-Xylene	1.5		1.0	ug/L	EPA 8260B	EPA 5030C
Xylenes (total)	4.5		1.0	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	84		10	ug/L	EPA 8260B	EPA 5030C

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Detections Summary

Client:	ARCADIS U.S., Inc.	Work Order:	19-02-0330
	111 SW Columbia Street, Suite 670	Project Name:	Chevron 306600
	Portland, OR 97201-5872	Received:	02/05/19
Attn:	Jason Almcrantz		

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
MW-24D-T-190205 (19-02-0330-30)						
TPH as Jet A	160	HD,ET	49	ug/L	EPA 8015B (M)	EPA 3510C
C13-C22 TPH Diesel Range	28	J,ET	16*	ug/L	EPA 8015B (M)	EPA 3510C
C13-C40 Total	31	J,ET	16*	ug/L	EPA 8015B (M)	EPA 3510C
TPH as Gasoline	400	HD	50	ug/L	EPA 8015B (M)	EPA 5030C
C4-C5	120		50	ug/L	EPA 8015B (M)	EPA 5030C
C6	90		50	ug/L	EPA 8015B (M)	EPA 5030C
C7	44	J	15*	ug/L	EPA 8015B (M)	EPA 5030C
C8	38	J	15*	ug/L	EPA 8015B (M)	EPA 5030C
C9-C10	72		50	ug/L	EPA 8015B (M)	EPA 5030C
C11-C12	42	J	18*	ug/L	EPA 8015B (M)	EPA 5030C
GRO (C4-C12) Total	410		50	ug/L	EPA 8015B (M)	EPA 5030C
TPH as Diesel	34	SG,HD,J,ET	16*	ug/L	EPA 8015B (M)	EPA 3510/SG 10
Benzene	13		1.0	ug/L	EPA 8260B	EPA 5030C
n-Butylbenzene	0.97	J	0.30*	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	0.78	J	0.19*	ug/L	EPA 8260B	EPA 5030C
1,2-Dichloroethane	2.4		0.50	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	6.1		1.0	ug/L	EPA 8260B	EPA 5030C
Isopropylbenzene	2.9		1.0	ug/L	EPA 8260B	EPA 5030C
p-Isopropyltoluene	0.32	J	0.22*	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	5.0		1.0	ug/L	EPA 8260B	EPA 5030C
Toluene	2.5		1.0	ug/L	EPA 8260B	EPA 5030C
1,2,4-Trimethylbenzene	3.5		1.0	ug/L	EPA 8260B	EPA 5030C
1,3,5-Trimethylbenzene	1.1		1.0	ug/L	EPA 8260B	EPA 5030C
p/m-Xylene	8.6		2.0	ug/L	EPA 8260B	EPA 5030C
o-Xylene	2.6		1.0	ug/L	EPA 8260B	EPA 5030C
Xylenes (total)	11		1.0	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	49		10	ug/L	EPA 8260B	EPA 5030C

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Detections Summary

Client:	ARCADIS U.S., Inc.	Work Order:	19-02-0330
	111 SW Columbia Street, Suite 670	Project Name:	Chevron 306600
	Portland, OR 97201-5872	Received:	02/05/19
Attn:	Jason Almcrantz		Page 18 of 18

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
MW-15-T-190205 (19-02-0330-31)						
TPH as Jet A	600	HD,ET	47	ug/L	EPA 8015B (M)	EPA 3510C
C13-C14	55	ET	47	ug/L	EPA 8015B (M)	EPA 3510C
C13-C22 TPH Diesel Range	77	ET	47	ug/L	EPA 8015B (M)	EPA 3510C
C13-C40 Total	85	ET	47	ug/L	EPA 8015B (M)	EPA 3510C
TPH as Gasoline	4400	HD	50	ug/L	EPA 8015B (M)	EPA 5030C
C4-C5	1100		50	ug/L	EPA 8015B (M)	EPA 5030C
C6	2100		50	ug/L	EPA 8015B (M)	EPA 5030C
C7	180		50	ug/L	EPA 8015B (M)	EPA 5030C
C8	270		50	ug/L	EPA 8015B (M)	EPA 5030C
C9-C10	500		50	ug/L	EPA 8015B (M)	EPA 5030C
C11-C12	250		50	ug/L	EPA 8015B (M)	EPA 5030C
GRO (C4-C12) Total	4400		50	ug/L	EPA 8015B (M)	EPA 5030C
TPH as Diesel	130	SG,HD,ET	47	ug/L	EPA 8015B (M)	EPA 3510/SG 10
Benzene	1700		20	ug/L	EPA 8260B	EPA 5030C
n-Butylbenzene	11	J	6.0*	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	130		20	ug/L	EPA 8260B	EPA 5030C
Isopropylbenzene	18	J	3.2*	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	29		20	ug/L	EPA 8260B	EPA 5030C
Toluene	23		20	ug/L	EPA 8260B	EPA 5030C
1,2,4-Trimethylbenzene	41		20	ug/L	EPA 8260B	EPA 5030C
p/m-Xylene	48		40	ug/L	EPA 8260B	EPA 5030C
o-Xylene	10	J	3.1*	ug/L	EPA 8260B	EPA 5030C
Xylenes (total)	58	JA	20	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	270		200	ug/L	EPA 8260B	EPA 5030C
MW-13-T-190205 (19-02-0330-32)						
TPH as Jet A	41	HD,J,ET	39*	ug/L	EPA 8015B (M)	EPA 3510C
C13-C22 TPH Diesel Range	31	J,ET	14*	ug/L	EPA 8015B (M)	EPA 3510C
C13-C40 Total	37	J,ET	14*	ug/L	EPA 8015B (M)	EPA 3510C
GRO (C4-C12) Total	21	J	18*	ug/L	EPA 8015B (M)	EPA 5030C
Methyl-t-Butyl Ether (MTBE)	0.17	J	0.16*	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	21		10	ug/L	EPA 8260B	EPA 5030C

Subcontracted analyses, if any, are not included in this summary.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-15D-T-190204	**19-02-0330-2-H**	**02/04/19 14:30**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 13:43**	**190214B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	ND	49	42	1.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	101	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-17D-T-190204	**19-02-0330-3-H**	**02/04/19 14:03**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 14:03**	**190214B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	ND	50	43	1.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	129	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-17-T-190204	**19-02-0330-4-H**	**02/04/19 13:30**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 14:23**	**190214B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	380	50	43	1.00	HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	120	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-14-T-190204	**19-02-0330-5-H**	**02/04/19 12:06**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 14:42**	**190214B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	3300	50	43	1.00	HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	120	68-140	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-14D-T-190204	**19-02-0330-6-H**	**02/04/19 11:37**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 15:03**	**190214B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	73	50	43	1.00	HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	126	68-140	

DUP-2-WD-190204	**19-02-0330-7-H**	**02/04/19 12:16**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 15:22**	**190214B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	5000	49	42	1.00	HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	128	68-140	

RMC-6-T-190204	**19-02-0330-8-H**	**02/04/19 11:05**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 15:43**	**190214B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	ND	50	43	1.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	121	68-140	

MW-21S-T-190204	**19-02-0330-9-H**	**02/04/19 10:28**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 16:02**	**190214B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	71	50	43	1.00	HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	140	68-140	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-19-T-190204	**19-02-0330-10-H**	**02/04/19 09:57**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 16:23**	**190214B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	850	47	41	1.00	HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	125	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-20-T-190204	**19-02-0330-11-H**	**02/04/19 09:20**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 16:42**	**190214B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	5700	47	41	1.00	HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	125	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-5-T-190204	**19-02-0330-12-H**	**02/04/19 08:39**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 17:02**	**190214B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	ND	50	43	1.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	121	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1-T-190204	**19-02-0330-13-H**	**02/04/19 13:28**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 17:22**	**190214B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	42	49	42	1.00	HD,J,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	130	68-140	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VEW-1-T-190204	**19-02-0330-14-H**	**02/04/19 11:54**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 18:22**	**190214B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	3600	46	40	1.00	HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	130	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
RMC-5-T-190204	**19-02-0330-15-H**	**02/04/19 11:16**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 18:41**	**190214B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	840	49	42	1.00	HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	138	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
RMC-7-T-190204	**19-02-0330-16-H**	**02/04/19 10:41**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 19:01**	**190214B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	480	50	43	1.00	HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	132	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-21D-T-190204	**19-02-0330-17-H**	**02/04/19 10:11**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 19:21**	**190214B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	ND	48	41	1.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	137	68-140	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-16D-T-190204	**19-02-0330-18-H**	**02/04/19 09:31**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 19:41**	**190214B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	1900	48	41	1.00	HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	124	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-16-T-190204	**19-02-0330-19-H**	**02/04/19 08:56**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 20:00**	**190214B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	280	46	40	1.00	HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	124	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUP-1-WD-190204	**19-02-0330-20-H**	**02/04/19 09:06**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 20:20**	**190214B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	260	50	43	1.00	HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	132	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-18D-T-190204	**19-02-0330-21-H**	**02/04/19 08:28**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 20:40**	**190214B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	170	50	43	1.00	HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	115	68-140	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-18-T-190204	**19-02-0330-22-H**	**02/04/19 08:06**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 22:39**	**190214B04**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	ND	45	39	1.00	HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	129	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-2-T-190204	**19-02-0330-23-H**	**02/04/19 13:51**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 22:59**	**190214B04**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	1400	47	41	1.00	HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	129	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-22-T-190205	**19-02-0330-24-H**	**02/05/19 06:47**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 23:19**	**190214B04**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	ND	50	43	1.00	HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	128	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-23S-T-190205	**19-02-0330-25-H**	**02/05/19 08:40**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 23:38**	**190214B04**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	ND	50	43	1.00	HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	131	68-140	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-23M-T-190205	**19-02-0330-26-H**	**02/05/19 08:04**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 23:59**	**190214B04**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	ND	50	43	1.00	HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	131	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-23D-T-190205	**19-02-0330-27-H**	**02/05/19 07:28**	**Aqueous**	**GC 50**	**02/14/19**	**02/19/19 00:59**	**190214B04**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	ND	48	41	1.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	130	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-24S-T-190205	**19-02-0330-28-H**	**02/05/19 10:30**	**Aqueous**	**GC 50**	**02/14/19**	**02/19/19 01:19**	**190214B04**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	270	50	43	1.00	HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	132	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-24M-T-190205	**19-02-0330-29-H**	**02/05/19 09:53**	**Aqueous**	**GC 50**	**02/14/19**	**02/19/19 01:39**	**190214B04**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	150	49	42	1.00	HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	127	68-140	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-24D-T-190205	**19-02-0330-30-H**	**02/05/19 09:15**	**Aqueous**	**GC 50**	**02/14/19**	**02/19/19 01:59**	**190214B04**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	160	49	42	1.00	HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	122	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-15-T-190205	**19-02-0330-31-H**	**02/05/19 11:03**	**Aqueous**	**GC 50**	**02/14/19**	**02/19/19 02:18**	**190214B04**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	600	47	41	1.00	HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	115	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-13-T-190205	**19-02-0330-32-H**	**02/05/19 12:48**	**Aqueous**	**GC 50**	**02/14/19**	**02/19/19 02:38**	**190214B04**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	41	45	39	1.00	HD,J,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	122	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-7-T-190205	**19-02-0330-33-H**	**02/05/19 13:28**	**Aqueous**	**GC 50**	**02/14/19**	**02/19/19 02:58**	**190214B04**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	ND	49	42	1.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	122	68-140	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-6-T-190205	**19-02-0330-34-H**	**02/05/19 14:06**	**Aqueous**	**GC 50**	**02/14/19**	**02/19/19 03:18**	**190214B04**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	ND	45	39	1.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	128	68-140	

Method Blank	**099-15-290-129**	**N/A**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 12:02**	**190214B02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	ND	50	43	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	125	68-140	

Method Blank	**099-15-290-130**	**N/A**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 21:00**	**190214B04**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Jet A	ND	50	43	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	127	68-140	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510/SG 10
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-15D-T-190204	**19-02-0330-2-H**	**02/04/19 14:30**	**Aqueous**	**GC 46**	**02/14/19**	**02/19/19 21:50**	**190214B01S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	ND	49	16	1.00	SG,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	85	50-150	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-17D-T-190204	**19-02-0330-3-H**	**02/04/19 14:03**	**Aqueous**	**GC 46**	**02/14/19**	**02/19/19 22:10**	**190214B01S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	ND	50	16	1.00	SG,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	137	50-150	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-17-T-190204	**19-02-0330-4-H**	**02/04/19 13:30**	**Aqueous**	**GC 46**	**02/14/19**	**02/19/19 22:31**	**190214B01S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	110	50	16	1.00	SG,HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	125	50-150	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510/SG 10
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-14-T-190204	**19-02-0330-5-H**	**02/04/19 12:06**	**Aqueous**	**GC 46**	**02/14/19**	**02/19/19 22:51**	**190214B01S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	280	50	16	1.00	SG,HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	131	50-150	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-14D-T-190204	**19-02-0330-6-H**	**02/04/19 11:37**	**Aqueous**	**GC 46**	**02/14/19**	**02/19/19 23:12**	**190214B01S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	ND	50	16	1.00	SG,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	119	50-150	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUP-2-WD-190204	**19-02-0330-7-H**	**02/04/19 12:16**	**Aqueous**	**GC 46**	**02/14/19**	**02/19/19 23:32**	**190214B01S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	2000	49	16	1.00	SG,HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	118	50-150	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510/SG 10
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
RMC-6-T-190204	**19-02-0330-8-H**	**02/04/19 11:05**	**Aqueous**	**GC 46**	**02/14/19**	**02/19/19 23:53**	**190214B01S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	ND	50	16	1.00	SG,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	109	50-150	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-21S-T-190204	**19-02-0330-9-H**	**02/04/19 10:28**	**Aqueous**	**GC 46**	**02/14/19**	**02/20/19 00:14**	**190214B01S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	36	50	16	1.00	SG,HD,J,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	128	50-150	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-19-T-190204	**19-02-0330-10-H**	**02/04/19 09:57**	**Aqueous**	**GC 46**	**02/14/19**	**02/20/19 00:34**	**190214B01S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	220	47	15	1.00	SG,HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	94	50-150	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510/SG 10
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-20-T-190204	**19-02-0330-11-H**	**02/04/19 09:20**	**Aqueous**	**GC 46**	**02/14/19**	**02/20/19 00:56**	**190214B01S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	2500	47	15	1.00	SG,HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	96	50-150	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-5-T-190204	**19-02-0330-12-H**	**02/04/19 08:39**	**Aqueous**	**GC 46**	**02/14/19**	**02/20/19 01:16**	**190214B01S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	ND	50	16	1.00	SG,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	88	50-150	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1-T-190204	**19-02-0330-13-H**	**02/04/19 13:28**	**Aqueous**	**GC 46**	**02/14/19**	**02/20/19 01:37**	**190214B01S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	ND	49	16	1.00	SG,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	109	50-150	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510/SG 10
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VEW-1-T-190204	**19-02-0330-14-H**	**02/04/19 11:54**	**Aqueous**	**GC 46**	**02/14/19**	**02/20/19 01:58**	**190214B01S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	19	46	15	1.00	SG,HD,J,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	106	50-150	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
RMC-5-T-190204	**19-02-0330-15-H**	**02/04/19 11:16**	**Aqueous**	**GC 46**	**02/14/19**	**02/20/19 02:17**	**190214B01S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	280	49	16	1.00	SG,HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	101	50-150	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
RMC-7-T-190204	**19-02-0330-16-H**	**02/04/19 10:41**	**Aqueous**	**GC 46**	**02/14/19**	**02/20/19 02:59**	**190214B01S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	27	50	16	1.00	SG,HD,J,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	102	50-150	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510/SG 10
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-21D-T-190204	**19-02-0330-17-H**	**02/04/19 10:11**	**Aqueous**	**GC 46**	**02/14/19**	**02/20/19 03:20**	**190214B01S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	ND	48	15	1.00	SG,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	112	50-150	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-16D-T-190204	**19-02-0330-18-H**	**02/04/19 09:31**	**Aqueous**	**GC 46**	**02/14/19**	**02/20/19 03:40**	**190214B01S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	570	48	15	1.00	SG,HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	95	50-150	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-16-T-190204	**19-02-0330-19-H**	**02/04/19 08:56**	**Aqueous**	**GC 46**	**02/14/19**	**02/20/19 04:01**	**190214B01S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	ND	46	15	1.00	SG,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	100	50-150	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510/SG 10
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUP-1-WD-190204	**19-02-0330-20-H**	**02/04/19 09:06**	**Aqueous**	**GC 46**	**02/14/19**	**02/20/19 04:21**	**190214B01S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	ND	50	16	1.00	SG,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	91	50-150	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-18D-T-190204	**19-02-0330-21-H**	**02/04/19 08:28**	**Aqueous**	**GC 46**	**02/14/19**	**02/20/19 04:42**	**190214B01S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	ND	50	16	1.00	SG,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	70	50-150	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-18-T-190204	**19-02-0330-22-H**	**02/04/19 08:06**	**Aqueous**	**GC 46**	**02/14/19**	**02/20/19 05:03**	**190214B02S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	ND	45	14	1.00	SG,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	93	50-150	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510/SG 10
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-2-T-190204	**19-02-0330-23-H**	**02/04/19 13:51**	**Aqueous**	**GC 46**	**02/14/19**	**02/20/19 05:23**	**190214B02S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	410	47	15	1.00	SG,HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	87	50-150	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-22-T-190205	**19-02-0330-24-H**	**02/05/19 06:47**	**Aqueous**	**GC 46**	**02/14/19**	**02/20/19 05:43**	**190214B02S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	ND	50	16	1.00	SG,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	90	50-150	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-23S-T-190205	**19-02-0330-25-H**	**02/05/19 08:40**	**Aqueous**	**GC 46**	**02/14/19**	**02/20/19 06:04**	**190214B02S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	ND	50	16	1.00	SG,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	100	50-150	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510/SG 10
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-23M-T-190205	**19-02-0330-26-H**	**02/05/19 08:04**	**Aqueous**	**GC 46**	**02/14/19**	**02/20/19 06:25**	**190214B02S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	ND	50	16	1.00	SG,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	109	50-150	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-23D-T-190205	**19-02-0330-27-H**	**02/05/19 07:28**	**Aqueous**	**GC 46**	**02/14/19**	**02/20/19 06:46**	**190214B02S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	ND	48	15	1.00	SG,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	105	50-150	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-24S-T-190205	**19-02-0330-28-H**	**02/05/19 10:30**	**Aqueous**	**GC 46**	**02/14/19**	**02/20/19 07:07**	**190214B02S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	110	50	16	1.00	SG,HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	96	50-150	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510/SG 10
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-24M-T-190205	**19-02-0330-29-H**	**02/05/19 09:53**	**Aqueous**	**GC 46**	**02/14/19**	**02/20/19 07:28**	**190214B02S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	47	49	16	1.00	SG,HD,J,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	546	50-150	1,2,7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-24D-T-190205	**19-02-0330-30-H**	**02/05/19 09:15**	**Aqueous**	**GC 46**	**02/14/19**	**02/20/19 07:48**	**190214B02S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	34	49	16	1.00	SG,HD,J,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	87	50-150	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-15-T-190205	**19-02-0330-31-H**	**02/05/19 11:03**	**Aqueous**	**GC 46**	**02/14/19**	**02/20/19 08:09**	**190214B02S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	130	47	15	1.00	SG,HD,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	92	50-150	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510/SG 10
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-13-T-190205	**19-02-0330-32-H**	**02/05/19 12:48**	**Aqueous**	**GC 46**	**02/14/19**	**02/20/19 08:30**	**190214B02S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	ND	45	14	1.00	SG,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	89	50-150	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-7-T-190205	**19-02-0330-33-H**	**02/05/19 13:28**	**Aqueous**	**GC 46**	**02/14/19**	**02/20/19 08:51**	**190214B02S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	ND	49	16	1.00	SG,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	85	50-150	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-6-T-190205	**19-02-0330-34-H**	**02/05/19 14:06**	**Aqueous**	**GC 46**	**02/14/19**	**02/20/19 09:12**	**190214B02S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.
- TPH as Diesel is quantified in the carbon range C6 - C28.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	ND	45	14	1.00	SG,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	90	50-150	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510/SG 10
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-392-147**	**N/A**	**Aqueous**	**GC 46**	**02/14/19**	**02/19/19 18:45**	**190214B01S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	ND	50	16	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	100	50-150	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-392-148**	**N/A**	**Aqueous**	**GC 46**	**02/14/19**	**02/19/19 19:48**	**190214B02S**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Diesel	ND	50	16	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decanoic Acid	0	0-1	
n-Octacosane	99	50-150	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-15D-T-190204	**19-02-0330-2-H**	**02/04/19 14:30**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 13:43**	**190214B01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	ND	49	16	1.00	ET
C15-C16	ND	49	16	1.00	ET
C17-C18	ND	49	16	1.00	ET
C19-C20	ND	49	16	1.00	ET
C21-C22	ND	49	16	1.00	ET
C23-C24	ND	49	16	1.00	ET
C25-C26	ND	49	16	1.00	ET
C27-C28	ND	49	16	1.00	ET
C29-C30	ND	49	16	1.00	ET
C31-C32	ND	49	16	1.00	ET
C33-C34	ND	49	16	1.00	ET
C35-C36	ND	49	16	1.00	ET
C37-C38	ND	49	16	1.00	ET
C39-C40	ND	49	16	1.00	ET
C13-C22 TPH Diesel Range	20	49	16	1.00	J,ET
C23-C40 TPH Motor Oil Range	ND	49	16	1.00	ET
C13-C40 Total	21	49	16	1.00	J,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	101	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-17D-T-190204	**19-02-0330-3-H**	**02/04/19 14:03**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 14:03**	**190214B01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	ND	50	16	1.00	ET
C15-C16	ND	50	16	1.00	ET
C17-C18	ND	50	16	1.00	ET
C19-C20	ND	50	16	1.00	ET
C21-C22	ND	50	16	1.00	ET
C23-C24	ND	50	16	1.00	ET
C25-C26	ND	50	16	1.00	ET
C27-C28	ND	50	16	1.00	ET
C29-C30	ND	50	16	1.00	ET
C31-C32	ND	50	16	1.00	ET
C33-C34	ND	50	16	1.00	ET
C35-C36	ND	50	16	1.00	ET
C37-C38	ND	50	16	1.00	ET
C39-C40	ND	50	16	1.00	ET
C13-C22 TPH Diesel Range	ND	50	16	1.00	ET
C23-C40 TPH Motor Oil Range	ND	50	16	1.00	ET
C13-C40 Total	ND	50	16	1.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	129	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-17-T-190204	**19-02-0330-4-H**	**02/04/19 13:30**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 14:23**	**190214B01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	50	50	16	1.00	J,ET
C15-C16	16	50	16	1.00	J,ET
C17-C18	ND	50	16	1.00	ET
C19-C20	ND	50	16	1.00	ET
C21-C22	ND	50	16	1.00	ET
C23-C24	ND	50	16	1.00	ET
C25-C26	ND	50	16	1.00	ET
C27-C28	ND	50	16	1.00	ET
C29-C30	ND	50	16	1.00	ET
C31-C32	ND	50	16	1.00	ET
C33-C34	ND	50	16	1.00	ET
C35-C36	ND	50	16	1.00	ET
C37-C38	ND	50	16	1.00	ET
C39-C40	ND	50	16	1.00	ET
C13-C22 TPH Diesel Range	76	50	16	1.00	ET
C23-C40 TPH Motor Oil Range	ND	50	16	1.00	ET
C13-C40 Total	79	50	16	1.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	120	68-140	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-14-T-190204	**19-02-0330-5-H**	**02/04/19 12:06**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 14:42**	**190214B01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	190	50	16	1.00	ET
C15-C16	19	50	16	1.00	J,ET
C17-C18	ND	50	16	1.00	ET
C19-C20	ND	50	16	1.00	ET
C21-C22	ND	50	16	1.00	ET
C23-C24	ND	50	16	1.00	ET
C25-C26	ND	50	16	1.00	ET
C27-C28	ND	50	16	1.00	ET
C29-C30	ND	50	16	1.00	ET
C31-C32	ND	50	16	1.00	ET
C33-C34	ND	50	16	1.00	ET
C35-C36	ND	50	16	1.00	ET
C37-C38	ND	50	16	1.00	ET
C39-C40	ND	50	16	1.00	ET
C13-C22 TPH Diesel Range	220	50	16	1.00	ET
C23-C40 TPH Motor Oil Range	ND	50	16	1.00	ET
C13-C40 Total	220	50	16	1.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	120	68-140	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-14D-T-190204	**19-02-0330-6-H**	**02/04/19 11:37**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 15:03**	**190214B01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	ND	50	16	1.00	ET
C15-C16	ND	50	16	1.00	ET
C17-C18	ND	50	16	1.00	ET
C19-C20	ND	50	16	1.00	ET
C21-C22	ND	50	16	1.00	ET
C23-C24	ND	50	16	1.00	ET
C25-C26	ND	50	16	1.00	ET
C27-C28	ND	50	16	1.00	ET
C29-C30	ND	50	16	1.00	ET
C31-C32	ND	50	16	1.00	ET
C33-C34	ND	50	16	1.00	ET
C35-C36	ND	50	16	1.00	ET
C37-C38	ND	50	16	1.00	ET
C39-C40	ND	50	16	1.00	ET
C13-C22 TPH Diesel Range	42	50	16	1.00	J,ET
C23-C40 TPH Motor Oil Range	ND	50	16	1.00	ET
C13-C40 Total	47	50	16	1.00	J,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	126	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUP-2-WD-190204	**19-02-0330-7-H**	**02/04/19 12:16**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 15:22**	**190214B01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	190	49	16	1.00	ET
C15-C16	ND	49	16	1.00	ET
C17-C18	ND	49	16	1.00	ET
C19-C20	ND	49	16	1.00	ET
C21-C22	ND	49	16	1.00	ET
C23-C24	ND	49	16	1.00	ET
C25-C26	ND	49	16	1.00	ET
C27-C28	ND	49	16	1.00	ET
C29-C30	ND	49	16	1.00	ET
C31-C32	ND	49	16	1.00	ET
C33-C34	ND	49	16	1.00	ET
C35-C36	ND	49	16	1.00	ET
C37-C38	ND	49	16	1.00	ET
C39-C40	ND	49	16	1.00	ET
C13-C22 TPH Diesel Range	210	49	16	1.00	ET
C23-C40 TPH Motor Oil Range	ND	49	16	1.00	ET
C13-C40 Total	210	49	16	1.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	128	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
RMC-6-T-190204	**19-02-0330-8-H**	**02/04/19 11:05**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 15:43**	**190214B01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	ND	50	16	1.00	ET
C15-C16	ND	50	16	1.00	ET
C17-C18	ND	50	16	1.00	ET
C19-C20	ND	50	16	1.00	ET
C21-C22	ND	50	16	1.00	ET
C23-C24	ND	50	16	1.00	ET
C25-C26	ND	50	16	1.00	ET
C27-C28	ND	50	16	1.00	ET
C29-C30	ND	50	16	1.00	ET
C31-C32	ND	50	16	1.00	ET
C33-C34	ND	50	16	1.00	ET
C35-C36	ND	50	16	1.00	ET
C37-C38	ND	50	16	1.00	ET
C39-C40	ND	50	16	1.00	ET
C13-C22 TPH Diesel Range	24	50	16	1.00	J,ET
C23-C40 TPH Motor Oil Range	20	50	16	1.00	J,ET
C13-C40 Total	43	50	16	1.00	J,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	121	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-21S-T-190204	**19-02-0330-9-H**	**02/04/19 10:28**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 16:02**	**190214B01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	ND	50	16	1.00	ET
C15-C16	ND	50	16	1.00	ET
C17-C18	ND	50	16	1.00	ET
C19-C20	ND	50	16	1.00	ET
C21-C22	ND	50	16	1.00	ET
C23-C24	ND	50	16	1.00	ET
C25-C26	ND	50	16	1.00	ET
C27-C28	ND	50	16	1.00	ET
C29-C30	ND	50	16	1.00	ET
C31-C32	ND	50	16	1.00	ET
C33-C34	ND	50	16	1.00	ET
C35-C36	ND	50	16	1.00	ET
C37-C38	ND	50	16	1.00	ET
C39-C40	ND	50	16	1.00	ET
C13-C22 TPH Diesel Range	ND	50	16	1.00	ET
C23-C40 TPH Motor Oil Range	ND	50	16	1.00	ET
C13-C40 Total	25	50	16	1.00	J,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	140	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-19-T-190204	**19-02-0330-10-H**	**02/04/19 09:57**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 16:23**	**190214B01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	280	47	15	1.00	ET
C15-C16	74	47	15	1.00	ET
C17-C18	25	47	15	1.00	J,ET
C19-C20	16	47	15	1.00	J,ET
C21-C22	ND	47	15	1.00	ET
C23-C24	ND	47	15	1.00	ET
C25-C26	ND	47	15	1.00	ET
C27-C28	ND	47	15	1.00	ET
C29-C30	ND	47	15	1.00	ET
C31-C32	ND	47	15	1.00	ET
C33-C34	ND	47	15	1.00	ET
C35-C36	ND	47	15	1.00	ET
C37-C38	ND	47	15	1.00	ET
C39-C40	ND	47	15	1.00	ET
C13-C22 TPH Diesel Range	410	47	15	1.00	ET
C23-C40 TPH Motor Oil Range	ND	47	15	1.00	ET
C13-C40 Total	410	47	15	1.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	125	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-20-T-190204	**19-02-0330-11-H**	**02/04/19 09:20**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 16:42**	**190214B01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	290	47	15	1.00	ET
C15-C16	57	47	15	1.00	ET
C17-C18	18	47	15	1.00	J,ET
C19-C20	ND	47	15	1.00	ET
C21-C22	ND	47	15	1.00	ET
C23-C24	ND	47	15	1.00	ET
C25-C26	ND	47	15	1.00	ET
C27-C28	ND	47	15	1.00	ET
C29-C30	ND	47	15	1.00	ET
C31-C32	ND	47	15	1.00	ET
C33-C34	ND	47	15	1.00	ET
C35-C36	ND	47	15	1.00	ET
C37-C38	ND	47	15	1.00	ET
C39-C40	ND	47	15	1.00	ET
C13-C22 TPH Diesel Range	370	47	15	1.00	ET
C23-C40 TPH Motor Oil Range	ND	47	15	1.00	ET
C13-C40 Total	370	47	15	1.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	125	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-5-T-190204	**19-02-0330-12-H**	**02/04/19 08:39**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 17:02**	**190214B01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	ND	50	16	1.00	ET
C15-C16	ND	50	16	1.00	ET
C17-C18	ND	50	16	1.00	ET
C19-C20	ND	50	16	1.00	ET
C21-C22	ND	50	16	1.00	ET
C23-C24	ND	50	16	1.00	ET
C25-C26	ND	50	16	1.00	ET
C27-C28	ND	50	16	1.00	ET
C29-C30	ND	50	16	1.00	ET
C31-C32	ND	50	16	1.00	ET
C33-C34	ND	50	16	1.00	ET
C35-C36	ND	50	16	1.00	ET
C37-C38	ND	50	16	1.00	ET
C39-C40	ND	50	16	1.00	ET
C13-C22 TPH Diesel Range	ND	50	16	1.00	ET
C23-C40 TPH Motor Oil Range	ND	50	16	1.00	ET
C13-C40 Total	17	50	16	1.00	J,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	121	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1-T-190204	**19-02-0330-13-H**	**02/04/19 13:28**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 17:22**	**190214B01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	ND	49	16	1.00	ET
C15-C16	ND	49	16	1.00	ET
C17-C18	ND	49	16	1.00	ET
C19-C20	ND	49	16	1.00	ET
C21-C22	ND	49	16	1.00	ET
C23-C24	ND	49	16	1.00	ET
C25-C26	ND	49	16	1.00	ET
C27-C28	ND	49	16	1.00	ET
C29-C30	ND	49	16	1.00	ET
C31-C32	ND	49	16	1.00	ET
C33-C34	ND	49	16	1.00	ET
C35-C36	ND	49	16	1.00	ET
C37-C38	ND	49	16	1.00	ET
C39-C40	ND	49	16	1.00	ET
C13-C22 TPH Diesel Range	32	49	16	1.00	J,ET
C23-C40 TPH Motor Oil Range	ND	49	16	1.00	ET
C13-C40 Total	42	49	16	1.00	J,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	130	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VEW-1-T-190204	**19-02-0330-14-H**	**02/04/19 11:54**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 18:22**	**190214B01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	43	46	15	1.00	J,ET
C15-C16	3300	46	15	1.00	ET
C17-C18	ND	46	15	1.00	ET
C19-C20	ND	46	15	1.00	ET
C21-C22	ND	46	15	1.00	ET
C23-C24	ND	46	15	1.00	ET
C25-C26	ND	46	15	1.00	ET
C27-C28	ND	46	15	1.00	ET
C29-C30	ND	46	15	1.00	ET
C31-C32	ND	46	15	1.00	ET
C33-C34	ND	46	15	1.00	ET
C35-C36	ND	46	15	1.00	ET
C37-C38	ND	46	15	1.00	ET
C39-C40	ND	46	15	1.00	ET
C13-C22 TPH Diesel Range	3300	46	15	1.00	ET
C23-C40 TPH Motor Oil Range	32	46	15	1.00	J,ET
C13-C40 Total	3400	46	15	1.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	130	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
RMC-5-T-190204	**19-02-0330-15-H**	**02/04/19 11:16**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 18:41**	**190214B01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	120	49	16	1.00	ET
C15-C16	29	49	16	1.00	J,ET
C17-C18	ND	49	16	1.00	ET
C19-C20	ND	49	16	1.00	ET
C21-C22	ND	49	16	1.00	ET
C23-C24	ND	49	16	1.00	ET
C25-C26	ND	49	16	1.00	ET
C27-C28	ND	49	16	1.00	ET
C29-C30	ND	49	16	1.00	ET
C31-C32	ND	49	16	1.00	ET
C33-C34	ND	49	16	1.00	ET
C35-C36	ND	49	16	1.00	ET
C37-C38	ND	49	16	1.00	ET
C39-C40	ND	49	16	1.00	ET
C13-C22 TPH Diesel Range	160	49	16	1.00	ET
C23-C40 TPH Motor Oil Range	ND	49	16	1.00	ET
C13-C40 Total	170	49	16	1.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	138	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
RMC-7-T-190204	**19-02-0330-16-H**	**02/04/19 10:41**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 19:01**	**190214B01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	97	50	16	1.00	ET
C15-C16	57	50	16	1.00	ET
C17-C18	29	50	16	1.00	J,ET
C19-C20	ND	50	16	1.00	ET
C21-C22	ND	50	16	1.00	ET
C23-C24	ND	50	16	1.00	ET
C25-C26	ND	50	16	1.00	ET
C27-C28	ND	50	16	1.00	ET
C29-C30	ND	50	16	1.00	ET
C31-C32	ND	50	16	1.00	ET
C33-C34	ND	50	16	1.00	ET
C35-C36	ND	50	16	1.00	ET
C37-C38	ND	50	16	1.00	ET
C39-C40	ND	50	16	1.00	ET
C13-C22 TPH Diesel Range	210	50	16	1.00	ET
C23-C40 TPH Motor Oil Range	ND	50	16	1.00	ET
C13-C40 Total	210	50	16	1.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	132	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-21D-T-190204	**19-02-0330-17-H**	**02/04/19 10:11**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 19:21**	**190214B01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	ND	48	15	1.00	ET
C15-C16	ND	48	15	1.00	ET
C17-C18	ND	48	15	1.00	ET
C19-C20	ND	48	15	1.00	ET
C21-C22	ND	48	15	1.00	ET
C23-C24	ND	48	15	1.00	ET
C25-C26	ND	48	15	1.00	ET
C27-C28	ND	48	15	1.00	ET
C29-C30	ND	48	15	1.00	ET
C31-C32	ND	48	15	1.00	ET
C33-C34	ND	48	15	1.00	ET
C35-C36	ND	48	15	1.00	ET
C37-C38	ND	48	15	1.00	ET
C39-C40	ND	48	15	1.00	ET
C13-C22 TPH Diesel Range	ND	48	15	1.00	ET
C23-C40 TPH Motor Oil Range	ND	48	15	1.00	ET
C13-C40 Total	15	48	15	1.00	J,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	137	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-16D-T-190204	**19-02-0330-18-H**	**02/04/19 09:31**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 19:41**	**190214B01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	130	48	15	1.00	ET
C15-C16	41	48	15	1.00	J,ET
C17-C18	ND	48	15	1.00	ET
C19-C20	ND	48	15	1.00	ET
C21-C22	ND	48	15	1.00	ET
C23-C24	ND	48	15	1.00	ET
C25-C26	ND	48	15	1.00	ET
C27-C28	ND	48	15	1.00	ET
C29-C30	ND	48	15	1.00	ET
C31-C32	ND	48	15	1.00	ET
C33-C34	ND	48	15	1.00	ET
C35-C36	ND	48	15	1.00	ET
C37-C38	ND	48	15	1.00	ET
C39-C40	ND	48	15	1.00	ET
C13-C22 TPH Diesel Range	200	48	15	1.00	ET
C23-C40 TPH Motor Oil Range	ND	48	15	1.00	ET
C13-C40 Total	200	48	15	1.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	124	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-16-T-190204	**19-02-0330-19-H**	**02/04/19 08:56**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 20:00**	**190214B01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	40	46	15	1.00	J,ET
C15-C16	ND	46	15	1.00	ET
C17-C18	ND	46	15	1.00	ET
C19-C20	ND	46	15	1.00	ET
C21-C22	ND	46	15	1.00	ET
C23-C24	ND	46	15	1.00	ET
C25-C26	ND	46	15	1.00	ET
C27-C28	ND	46	15	1.00	ET
C29-C30	ND	46	15	1.00	ET
C31-C32	ND	46	15	1.00	ET
C33-C34	ND	46	15	1.00	ET
C35-C36	ND	46	15	1.00	ET
C37-C38	ND	46	15	1.00	ET
C39-C40	ND	46	15	1.00	ET
C13-C22 TPH Diesel Range	47	46	15	1.00	ET
C23-C40 TPH Motor Oil Range	ND	46	15	1.00	ET
C13-C40 Total	49	46	15	1.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	124	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUP-1-WD-190204	**19-02-0330-20-H**	**02/04/19 09:06**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 20:20**	**190214B01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	43	50	16	1.00	J,ET
C15-C16	ND	50	16	1.00	ET
C17-C18	ND	50	16	1.00	ET
C19-C20	ND	50	16	1.00	ET
C21-C22	ND	50	16	1.00	ET
C23-C24	ND	50	16	1.00	ET
C25-C26	ND	50	16	1.00	ET
C27-C28	ND	50	16	1.00	ET
C29-C30	ND	50	16	1.00	ET
C31-C32	ND	50	16	1.00	ET
C33-C34	ND	50	16	1.00	ET
C35-C36	ND	50	16	1.00	ET
C37-C38	ND	50	16	1.00	ET
C39-C40	ND	50	16	1.00	ET
C13-C22 TPH Diesel Range	49	50	16	1.00	J,ET
C23-C40 TPH Motor Oil Range	ND	50	16	1.00	ET
C13-C40 Total	53	50	16	1.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	132	68-140	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-18D-T-190204	**19-02-0330-21-H**	**02/04/19 08:28**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 20:40**	**190214B01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	42	50	16	1.00	J,ET
C15-C16	27	50	16	1.00	J,ET
C17-C18	ND	50	16	1.00	ET
C19-C20	ND	50	16	1.00	ET
C21-C22	ND	50	16	1.00	ET
C23-C24	ND	50	16	1.00	ET
C25-C26	ND	50	16	1.00	ET
C27-C28	ND	50	16	1.00	ET
C29-C30	ND	50	16	1.00	ET
C31-C32	ND	50	16	1.00	ET
C33-C34	ND	50	16	1.00	ET
C35-C36	ND	50	16	1.00	ET
C37-C38	ND	50	16	1.00	ET
C39-C40	ND	50	16	1.00	ET
C13-C22 TPH Diesel Range	83	50	16	1.00	ET
C23-C40 TPH Motor Oil Range	ND	50	16	1.00	ET
C13-C40 Total	86	50	16	1.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	115	68-140	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-18-T-190204	**19-02-0330-22-H**	**02/04/19 08:06**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 22:39**	**190214B03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	ND	45	14	1.00	ET
C15-C16	ND	45	14	1.00	ET
C17-C18	ND	45	14	1.00	ET
C19-C20	ND	45	14	1.00	ET
C21-C22	ND	45	14	1.00	ET
C23-C24	ND	45	14	1.00	ET
C25-C26	ND	45	14	1.00	ET
C27-C28	ND	45	14	1.00	ET
C29-C30	ND	45	14	1.00	ET
C31-C32	ND	45	14	1.00	ET
C33-C34	ND	45	14	1.00	ET
C35-C36	ND	45	14	1.00	ET
C37-C38	ND	45	14	1.00	ET
C39-C40	ND	45	14	1.00	ET
C13-C22 TPH Diesel Range	ND	45	14	1.00	ET
C23-C40 TPH Motor Oil Range	ND	45	14	1.00	ET
C13-C40 Total	ND	45	14	1.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	129	68-140	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-2-T-190204	**19-02-0330-23-H**	**02/04/19 13:51**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 22:59**	**190214B03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	150	47	15	1.00	ET
C15-C16	59	47	15	1.00	ET
C17-C18	29	47	15	1.00	J,ET
C19-C20	22	47	15	1.00	J,ET
C21-C22	ND	47	15	1.00	ET
C23-C24	ND	47	15	1.00	ET
C25-C26	ND	47	15	1.00	ET
C27-C28	ND	47	15	1.00	ET
C29-C30	ND	47	15	1.00	ET
C31-C32	ND	47	15	1.00	ET
C33-C34	ND	47	15	1.00	ET
C35-C36	ND	47	15	1.00	ET
C37-C38	ND	47	15	1.00	ET
C39-C40	ND	47	15	1.00	ET
C13-C22 TPH Diesel Range	270	47	15	1.00	ET
C23-C40 TPH Motor Oil Range	17	47	15	1.00	J,ET
C13-C40 Total	290	47	15	1.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	129	68-140	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-22-T-190205	**19-02-0330-24-H**	**02/05/19 06:47**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 23:19**	**190214B03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	ND	50	16	1.00	ET
C15-C16	ND	50	16	1.00	ET
C17-C18	ND	50	16	1.00	ET
C19-C20	ND	50	16	1.00	ET
C21-C22	ND	50	16	1.00	ET
C23-C24	ND	50	16	1.00	ET
C25-C26	ND	50	16	1.00	ET
C27-C28	ND	50	16	1.00	ET
C29-C30	ND	50	16	1.00	ET
C31-C32	ND	50	16	1.00	ET
C33-C34	ND	50	16	1.00	ET
C35-C36	ND	50	16	1.00	ET
C37-C38	ND	50	16	1.00	ET
C39-C40	ND	50	16	1.00	ET
C13-C22 TPH Diesel Range	ND	50	16	1.00	ET
C23-C40 TPH Motor Oil Range	ND	50	16	1.00	ET
C13-C40 Total	ND	50	16	1.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	128	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-23S-T-190205	**19-02-0330-25-H**	**02/05/19 08:40**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 23:38**	**190214B03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	ND	50	16	1.00	ET
C15-C16	ND	50	16	1.00	ET
C17-C18	ND	50	16	1.00	ET
C19-C20	ND	50	16	1.00	ET
C21-C22	ND	50	16	1.00	ET
C23-C24	ND	50	16	1.00	ET
C25-C26	ND	50	16	1.00	ET
C27-C28	ND	50	16	1.00	ET
C29-C30	ND	50	16	1.00	ET
C31-C32	ND	50	16	1.00	ET
C33-C34	ND	50	16	1.00	ET
C35-C36	ND	50	16	1.00	ET
C37-C38	ND	50	16	1.00	ET
C39-C40	ND	50	16	1.00	ET
C13-C22 TPH Diesel Range	ND	50	16	1.00	ET
C23-C40 TPH Motor Oil Range	ND	50	16	1.00	ET
C13-C40 Total	ND	50	16	1.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	131	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-23M-T-190205	**19-02-0330-26-H**	**02/05/19 08:04**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 23:59**	**190214B03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	ND	50	16	1.00	ET
C15-C16	ND	50	16	1.00	ET
C17-C18	ND	50	16	1.00	ET
C19-C20	ND	50	16	1.00	ET
C21-C22	ND	50	16	1.00	ET
C23-C24	ND	50	16	1.00	ET
C25-C26	ND	50	16	1.00	ET
C27-C28	ND	50	16	1.00	ET
C29-C30	ND	50	16	1.00	ET
C31-C32	ND	50	16	1.00	ET
C33-C34	ND	50	16	1.00	ET
C35-C36	ND	50	16	1.00	ET
C37-C38	ND	50	16	1.00	ET
C39-C40	ND	50	16	1.00	ET
C13-C22 TPH Diesel Range	ND	50	16	1.00	ET
C23-C40 TPH Motor Oil Range	ND	50	16	1.00	ET
C13-C40 Total	ND	50	16	1.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	131	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-23D-T-190205	**19-02-0330-27-H**	**02/05/19 07:28**	**Aqueous**	**GC 50**	**02/14/19**	**02/19/19 00:59**	**190214B03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	ND	48	15	1.00	ET
C15-C16	ND	48	15	1.00	ET
C17-C18	ND	48	15	1.00	ET
C19-C20	ND	48	15	1.00	ET
C21-C22	ND	48	15	1.00	ET
C23-C24	ND	48	15	1.00	ET
C25-C26	ND	48	15	1.00	ET
C27-C28	ND	48	15	1.00	ET
C29-C30	ND	48	15	1.00	ET
C31-C32	ND	48	15	1.00	ET
C33-C34	ND	48	15	1.00	ET
C35-C36	ND	48	15	1.00	ET
C37-C38	ND	48	15	1.00	ET
C39-C40	ND	48	15	1.00	ET
C13-C22 TPH Diesel Range	ND	48	15	1.00	ET
C23-C40 TPH Motor Oil Range	ND	48	15	1.00	ET
C13-C40 Total	20	48	15	1.00	J,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	130	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-24S-T-190205	**19-02-0330-28-H**	**02/05/19 10:30**	**Aqueous**	**GC 50**	**02/14/19**	**02/19/19 01:19**	**190214B03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	19	50	16	1.00	J,ET
C15-C16	ND	50	16	1.00	ET
C17-C18	ND	50	16	1.00	ET
C19-C20	ND	50	16	1.00	ET
C21-C22	ND	50	16	1.00	ET
C23-C24	ND	50	16	1.00	ET
C25-C26	ND	50	16	1.00	ET
C27-C28	ND	50	16	1.00	ET
C29-C30	ND	50	16	1.00	ET
C31-C32	ND	50	16	1.00	ET
C33-C34	ND	50	16	1.00	ET
C35-C36	ND	50	16	1.00	ET
C37-C38	ND	50	16	1.00	ET
C39-C40	ND	50	16	1.00	ET
C13-C22 TPH Diesel Range	30	50	16	1.00	J,ET
C23-C40 TPH Motor Oil Range	ND	50	16	1.00	ET
C13-C40 Total	42	50	16	1.00	J,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	132	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-24M-T-190205	**19-02-0330-29-H**	**02/05/19 09:53**	**Aqueous**	**GC 50**	**02/14/19**	**02/19/19 01:39**	**190214B03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	36	49	16	1.00	J,ET
C15-C16	ND	49	16	1.00	ET
C17-C18	ND	49	16	1.00	ET
C19-C20	ND	49	16	1.00	ET
C21-C22	ND	49	16	1.00	ET
C23-C24	ND	49	16	1.00	ET
C25-C26	ND	49	16	1.00	ET
C27-C28	ND	49	16	1.00	ET
C29-C30	ND	49	16	1.00	ET
C31-C32	ND	49	16	1.00	ET
C33-C34	ND	49	16	1.00	ET
C35-C36	ND	49	16	1.00	ET
C37-C38	ND	49	16	1.00	ET
C39-C40	ND	49	16	1.00	ET
C13-C22 TPH Diesel Range	56	49	16	1.00	ET
C23-C40 TPH Motor Oil Range	ND	49	16	1.00	ET
C13-C40 Total	58	49	16	1.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	127	68-140	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-24D-T-190205	**19-02-0330-30-H**	**02/05/19 09:15**	**Aqueous**	**GC 50**	**02/14/19**	**02/19/19 01:59**	**190214B03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	ND	49	16	1.00	ET
C15-C16	ND	49	16	1.00	ET
C17-C18	ND	49	16	1.00	ET
C19-C20	ND	49	16	1.00	ET
C21-C22	ND	49	16	1.00	ET
C23-C24	ND	49	16	1.00	ET
C25-C26	ND	49	16	1.00	ET
C27-C28	ND	49	16	1.00	ET
C29-C30	ND	49	16	1.00	ET
C31-C32	ND	49	16	1.00	ET
C33-C34	ND	49	16	1.00	ET
C35-C36	ND	49	16	1.00	ET
C37-C38	ND	49	16	1.00	ET
C39-C40	ND	49	16	1.00	ET
C13-C22 TPH Diesel Range	28	49	16	1.00	J,ET
C23-C40 TPH Motor Oil Range	ND	49	16	1.00	ET
C13-C40 Total	31	49	16	1.00	J,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	122	68-140	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-15-T-190205	**19-02-0330-31-H**	**02/05/19 11:03**	**Aqueous**	**GC 50**	**02/14/19**	**02/19/19 02:18**	**190214B03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	55	47	15	1.00	ET
C15-C16	ND	47	15	1.00	ET
C17-C18	ND	47	15	1.00	ET
C19-C20	ND	47	15	1.00	ET
C21-C22	ND	47	15	1.00	ET
C23-C24	ND	47	15	1.00	ET
C25-C26	ND	47	15	1.00	ET
C27-C28	ND	47	15	1.00	ET
C29-C30	ND	47	15	1.00	ET
C31-C32	ND	47	15	1.00	ET
C33-C34	ND	47	15	1.00	ET
C35-C36	ND	47	15	1.00	ET
C37-C38	ND	47	15	1.00	ET
C39-C40	ND	47	15	1.00	ET
C13-C22 TPH Diesel Range	77	47	15	1.00	ET
C23-C40 TPH Motor Oil Range	ND	47	15	1.00	ET
C13-C40 Total	85	47	15	1.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	115	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-13-T-190205	**19-02-0330-32-H**	**02/05/19 12:48**	**Aqueous**	**GC 50**	**02/14/19**	**02/19/19 02:38**	**190214B03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	ND	45	14	1.00	ET
C15-C16	ND	45	14	1.00	ET
C17-C18	ND	45	14	1.00	ET
C19-C20	ND	45	14	1.00	ET
C21-C22	ND	45	14	1.00	ET
C23-C24	ND	45	14	1.00	ET
C25-C26	ND	45	14	1.00	ET
C27-C28	ND	45	14	1.00	ET
C29-C30	ND	45	14	1.00	ET
C31-C32	ND	45	14	1.00	ET
C33-C34	ND	45	14	1.00	ET
C35-C36	ND	45	14	1.00	ET
C37-C38	ND	45	14	1.00	ET
C39-C40	ND	45	14	1.00	ET
C13-C22 TPH Diesel Range	31	45	14	1.00	J,ET
C23-C40 TPH Motor Oil Range	ND	45	14	1.00	ET
C13-C40 Total	37	45	14	1.00	J,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	122	68-140	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-7-T-190205	**19-02-0330-33-H**	**02/05/19 13:28**	**Aqueous**	**GC 50**	**02/14/19**	**02/19/19 02:58**	**190214B03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	ND	49	16	1.00	ET
C15-C16	ND	49	16	1.00	ET
C17-C18	ND	49	16	1.00	ET
C19-C20	ND	49	16	1.00	ET
C21-C22	ND	49	16	1.00	ET
C23-C24	ND	49	16	1.00	ET
C25-C26	ND	49	16	1.00	ET
C27-C28	ND	49	16	1.00	ET
C29-C30	ND	49	16	1.00	ET
C31-C32	ND	49	16	1.00	ET
C33-C34	ND	49	16	1.00	ET
C35-C36	ND	49	16	1.00	ET
C37-C38	ND	49	16	1.00	ET
C39-C40	ND	49	16	1.00	ET
C13-C22 TPH Diesel Range	ND	49	16	1.00	ET
C23-C40 TPH Motor Oil Range	ND	49	16	1.00	ET
C13-C40 Total	ND	49	16	1.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	122	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-6-T-190205	**19-02-0330-34-H**	**02/05/19 14:06**	**Aqueous**	**GC 50**	**02/14/19**	**02/19/19 03:18**	**190214B03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Sample extracted outside recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	ND	45	14	1.00	ET
C15-C16	ND	45	14	1.00	ET
C17-C18	ND	45	14	1.00	ET
C19-C20	ND	45	14	1.00	ET
C21-C22	ND	45	14	1.00	ET
C23-C24	ND	45	14	1.00	ET
C25-C26	ND	45	14	1.00	ET
C27-C28	ND	45	14	1.00	ET
C29-C30	ND	45	14	1.00	ET
C31-C32	ND	45	14	1.00	ET
C33-C34	ND	45	14	1.00	ET
C35-C36	ND	45	14	1.00	ET
C37-C38	ND	45	14	1.00	ET
C39-C40	ND	45	14	1.00	ET
C13-C22 TPH Diesel Range	ND	45	14	1.00	ET
C23-C40 TPH Motor Oil Range	ND	45	14	1.00	ET
C13-C40 Total	ND	45	14	1.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	128	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-542-392**	**N/A**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 12:02**	**190214B01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	ND	50	16	1.00	
C15-C16	ND	50	16	1.00	
C17-C18	ND	50	16	1.00	
C19-C20	ND	50	16	1.00	
C21-C22	ND	50	16	1.00	
C23-C24	ND	50	16	1.00	
C25-C26	ND	50	16	1.00	
C27-C28	ND	50	16	1.00	
C29-C30	ND	50	16	1.00	
C31-C32	ND	50	16	1.00	
C33-C34	ND	50	16	1.00	
C35-C36	ND	50	16	1.00	
C37-C38	ND	50	16	1.00	
C39-C40	ND	50	16	1.00	
C13-C22 TPH Diesel Range	ND	50	16	1.00	
C23-C40 TPH Motor Oil Range	ND	50	16	1.00	
C13-C40 Total	ND	50	16	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	125	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-542-393**	**N/A**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 21:00**	**190214B03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C13-C14	ND	50	16	1.00	
C15-C16	ND	50	16	1.00	
C17-C18	ND	50	16	1.00	
C19-C20	ND	50	16	1.00	
C21-C22	ND	50	16	1.00	
C23-C24	ND	50	16	1.00	
C25-C26	ND	50	16	1.00	
C27-C28	ND	50	16	1.00	
C29-C30	ND	50	16	1.00	
C31-C32	ND	50	16	1.00	
C33-C34	ND	50	16	1.00	
C35-C36	ND	50	16	1.00	
C37-C38	ND	50	16	1.00	
C39-C40	ND	50	16	1.00	
C13-C22 TPH Diesel Range	ND	50	16	1.00	
C23-C40 TPH Motor Oil Range	ND	50	16	1.00	
C13-C40 Total	ND	50	16	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	127	68-140	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-15D-T-190204	**19-02-0330-2-D**	**02/04/19 14:30**	**Aqueous**	**GC 24**	**02/13/19**	**02/14/19 04:24**	**190213L063**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	ND	50	29	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	70	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-17D-T-190204	**19-02-0330-3-D**	**02/04/19 14:03**	**Aqueous**	**GC 24**	**02/13/19**	**02/14/19 05:01**	**190213L063**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	ND	50	29	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	71	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-17-T-190204	**19-02-0330-4-D**	**02/04/19 13:30**	**Aqueous**	**GC 24**	**02/13/19**	**02/14/19 05:37**	**190213L063**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	1100	50	29	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	79	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-14-T-190204	**19-02-0330-5-F**	**02/04/19 12:06**	**Aqueous**	**GC 25**	**02/14/19**	**02/15/19 02:28**	**190214L033**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	23000	500	290	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	82	38-134	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-14D-T-190204	**19-02-0330-6-D**	**02/04/19 11:37**	**Aqueous**	**GC 24**	**02/13/19**	**02/14/19 09:34**	**190213L063**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	37	50	29	1.00	J

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	73	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUP-2-WD-190204	**19-02-0330-7-E**	**02/04/19 12:16**	**Aqueous**	**GC 25**	**02/14/19**	**02/15/19 03:01**	**190214L033**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	14000	500	290	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	80	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
RMC-6-T-190204	**19-02-0330-8-D**	**02/04/19 11:05**	**Aqueous**	**GC 24**	**02/13/19**	**02/14/19 12:00**	**190213L063**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	160	50	29	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	73	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-21S-T-190204	**19-02-0330-9-D**	**02/04/19 10:28**	**Aqueous**	**GC 24**	**02/13/19**	**02/14/19 12:37**	**190213L063**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	170	50	29	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	75	38-134	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-19-T-190204	**19-02-0330-10-D**	**02/04/19 09:57**	**Aqueous**	**GC 24**	**02/13/19**	**02/14/19 16:22**	**190213L063**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	43000	250	140	5.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	132	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-20-T-190204	**19-02-0330-11-D**	**02/04/19 09:20**	**Aqueous**	**GC 24**	**02/13/19**	**02/14/19 13:13**	**190213L063**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	1600	50	29	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-5-T-190204	**19-02-0330-12-D**	**02/04/19 08:39**	**Aqueous**	**GC 24**	**02/13/19**	**02/14/19 13:55**	**190213L063**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	ND	50	29	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	74	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1-T-190204	**19-02-0330-13-D**	**02/04/19 13:28**	**Aqueous**	**GC 24**	**02/13/19**	**02/14/19 14:32**	**190213L063**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	ND	50	29	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	72	38-134	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VEW-1-T-190204	**19-02-0330-14-D**	**02/04/19 11:54**	**Aqueous**	**GC 24**	**02/13/19**	**02/14/19 15:09**	**190213L063**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	47	50	29	1.00	J

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	77	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
RMC-5-T-190204	**19-02-0330-15-D**	**02/04/19 11:16**	**Aqueous**	**GC 24**	**02/13/19**	**02/14/19 15:45**	**190213L063**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	970	50	29	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	197	38-134	2,7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
RMC-7-T-190204	**19-02-0330-16-D**	**02/04/19 10:41**	**Aqueous**	**GC 42**	**02/14/19**	**02/14/19 22:08**	**190214L029**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	140	50	29	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	64	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-21D-T-190204	**19-02-0330-17-D**	**02/04/19 10:11**	**Aqueous**	**GC 42**	**02/14/19**	**02/14/19 22:43**	**190214L029**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	ND	50	29	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	64	38-134	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-16D-T-190204	**19-02-0330-18-E**	**02/04/19 09:31**	**Aqueous**	**GC 42**	**02/15/19**	**02/16/19 00:20**	**190215L032**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	4100	500	290	10.0	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	76	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-16-T-190204	**19-02-0330-19-D**	**02/04/19 08:56**	**Aqueous**	**GC 42**	**02/14/19**	**02/14/19 23:53**	**190214L029**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	1200	50	29	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	77	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUP-1-WD-190204	**19-02-0330-20-F**	**02/04/19 09:06**	**Aqueous**	**GC 42**	**02/15/19**	**02/15/19 17:57**	**190215L032**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	1400	50	29	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	77	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-18D-T-190204	**19-02-0330-21-D**	**02/04/19 08:28**	**Aqueous**	**GC 42**	**02/14/19**	**02/15/19 00:27**	**190214L029**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	95	50	29	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	57	38-134	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-18-T-190204	**19-02-0330-22-D**	**02/04/19 08:06**	**Aqueous**	**GC 42**	**02/14/19**	**02/15/19 01:02**	**190214L029**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	53	50	29	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	49	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-2-T-190204	**19-02-0330-23-D**	**02/04/19 13:51**	**Aqueous**	**GC 42**	**02/14/19**	**02/15/19 01:37**	**190214L029**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	1000	50	29	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	183	38-134	2,7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-22-T-190205	**19-02-0330-24-D**	**02/05/19 06:47**	**Aqueous**	**GC 42**	**02/14/19**	**02/15/19 02:12**	**190214L029**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	ND	50	29	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	63	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-23S-T-190205	**19-02-0330-25-D**	**02/05/19 08:40**	**Aqueous**	**GC 42**	**02/14/19**	**02/15/19 02:47**	**190214L029**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	ND	50	29	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	57	38-134	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-23M-T-190205	**19-02-0330-26-F**	**02/05/19 08:04**	**Aqueous**	**GC 42**	**02/15/19**	**02/15/19 19:41**	**190215L032**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	ND	50	29	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	64	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-23D-T-190205	**19-02-0330-27-D**	**02/05/19 07:28**	**Aqueous**	**GC 25**	**02/14/19**	**02/14/19 20:56**	**190214L033**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	ND	50	29	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	77	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-24S-T-190205	**19-02-0330-28-D**	**02/05/19 10:30**	**Aqueous**	**GC 25**	**02/14/19**	**02/14/19 22:36**	**190214L033**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	390	50	29	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-24M-T-190205	**19-02-0330-29-D**	**02/05/19 09:53**	**Aqueous**	**GC 25**	**02/14/19**	**02/14/19 23:09**	**190214L033**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	1000	50	29	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	102	38-134	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-24D-T-190205	**19-02-0330-30-D**	**02/05/19 09:15**	**Aqueous**	**GC 25**	**02/14/19**	**02/14/19 23:42**	**190214L033**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	400	50	29	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	86	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-15-T-190205	**19-02-0330-31-D**	**02/05/19 11:03**	**Aqueous**	**GC 25**	**02/14/19**	**02/15/19 00:15**	**190214L033**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	4400	50	29	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	112	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-13-T-190205	**19-02-0330-32-D**	**02/05/19 12:48**	**Aqueous**	**GC 25**	**02/14/19**	**02/15/19 00:49**	**190214L033**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	ND	50	29	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	77	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-7-T-190205	**19-02-0330-33-D**	**02/05/19 13:28**	**Aqueous**	**GC 25**	**02/14/19**	**02/15/19 01:22**	**190214L033**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	ND	50	29	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	79	38-134	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-6-T-190205	**19-02-0330-34-D**	**02/05/19 14:06**	**Aqueous**	**GC 25**	**02/14/19**	**02/15/19 01:55**	**190214L033**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	ND	50	29	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	77	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-436-12537**	**N/A**	**Aqueous**	**GC 24**	**02/13/19**	**02/13/19 22:55**	**190213L063**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	ND	50	29	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	71	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-436-12535**	**N/A**	**Aqueous**	**GC 42**	**02/14/19**	**02/14/19 19:49**	**190214L029**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	ND	50	29	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	60	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-436-12536**	**N/A**	**Aqueous**	**GC 25**	**02/14/19**	**02/14/19 20:23**	**190214L033**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	ND	50	29	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	70	38-134	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-436-12538**	**N/A**	**Aqueous**	**GC 42**	**02/15/19**	**02/15/19 16:59**	**190215L032**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Gasoline	ND	50	29	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	65	38-134	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-15D-T-190204	**19-02-0330-2-D**	**02/04/19 14:30**	**Aqueous**	**GC 24**	**02/13/19**	**02/14/19 04:24**	**190213L062**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	ND	50	15	1.00	
C6	ND	50	14	1.00	
C7	ND	50	15	1.00	
C8	ND	50	15	1.00	
C9-C10	ND	50	15	1.00	
C11-C12	ND	50	18	1.00	
GRO (C4-C12) Total	ND	50	18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	70	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-17D-T-190204	**19-02-0330-3-D**	**02/04/19 14:03**	**Aqueous**	**GC 24**	**02/13/19**	**02/14/19 05:01**	**190213L062**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	ND	50	15	1.00	
C6	ND	50	14	1.00	
C7	ND	50	15	1.00	
C8	ND	50	15	1.00	
C9-C10	ND	50	15	1.00	
C11-C12	ND	50	18	1.00	
GRO (C4-C12) Total	ND	50	18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	71	38-134	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-17-T-190204	**19-02-0330-4-D**	**02/04/19 13:30**	**Aqueous**	**GC 24**	**02/13/19**	**02/14/19 05:37**	**190213L062**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	530	50	15	1.00	
C6	300	50	14	1.00	
C7	87	50	15	1.00	
C8	35	50	15	1.00	J
C9-C10	100	50	15	1.00	
C11-C12	83	50	18	1.00	
GRO (C4-C12) Total	1100	50	18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	79	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-14-T-190204	**19-02-0330-5-F**	**02/04/19 12:06**	**Aqueous**	**GC 25**	**02/14/19**	**02/15/19 02:28**	**190214L036**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	5700	500	150	10.0	
C6	8100	500	140	10.0	
C7	1800	500	150	10.0	
C8	3100	500	150	10.0	
C9-C10	3100	500	150	10.0	
C11-C12	1200	500	180	10.0	
GRO (C4-C12) Total	23000	500	180	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	82	38-134	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-14D-T-190204	**19-02-0330-6-D**	**02/04/19 11:37**	**Aqueous**	**GC 24**	**02/13/19**	**02/14/19 09:34**	**190213L062**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	ND	50	15	1.00	
C6	ND	50	14	1.00	
C7	ND	50	15	1.00	
C8	ND	50	15	1.00	
C9-C10	ND	50	15	1.00	
C11-C12	ND	50	18	1.00	
GRO (C4-C12) Total	39	50	18	1.00	J

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	73	38-134	

DUP-2-WD-190204	**19-02-0330-7-E**	**02/04/19 12:16**	**Aqueous**	**GC 25**	**02/14/19**	**02/15/19 03:01**	**190214L036**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	3400	500	150	10.0	
C6	4900	500	140	10.0	
C7	1100	500	150	10.0	
C8	1900	500	150	10.0	
C9-C10	2000	500	150	10.0	
C11-C12	850	500	180	10.0	
GRO (C4-C12) Total	14000	500	180	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	80	38-134	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
RMC-6-T-190204	**19-02-0330-8-D**	**02/04/19 11:05**	**Aqueous**	**GC 24**	**02/13/19**	**02/14/19 12:00**	**190213L062**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	45	50	15	1.00	J
C6	38	50	14	1.00	J
C7	ND	50	15	1.00	
C8	17	50	15	1.00	J
C9-C10	30	50	15	1.00	J
C11-C12	29	50	18	1.00	J
GRO (C4-C12) Total	170	50	18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	73	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-21S-T-190204	**19-02-0330-9-D**	**02/04/19 10:28**	**Aqueous**	**GC 24**	**02/13/19**	**02/14/19 12:37**	**190213L062**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	40	50	15	1.00	J
C6	27	50	14	1.00	J
C7	29	50	15	1.00	J
C8	19	50	15	1.00	J
C9-C10	39	50	15	1.00	J
C11-C12	20	50	18	1.00	J
GRO (C4-C12) Total	170	50	18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	75	38-134	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-19-T-190204	**19-02-0330-10-D**	**02/04/19 09:57**	**Aqueous**	**GC 24**	**02/13/19**	**02/14/19 16:22**	**190213L062**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	14000	250	73	5.00	
C6	21000	250	70	5.00	
C7	2200	250	73	5.00	
C8	2100	250	73	5.00	
C9-C10	2000	250	73	5.00	
C11-C12	1200	250	92	5.00	
GRO (C4-C12) Total	43000	250	92	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	132	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-20-T-190204	**19-02-0330-11-D**	**02/04/19 09:20**	**Aqueous**	**GC 24**	**02/13/19**	**02/14/19 13:13**	**190213L062**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	460	50	15	1.00	
C6	630	50	14	1.00	
C7	64	50	15	1.00	
C8	190	50	15	1.00	
C9-C10	140	50	15	1.00	
C11-C12	66	50	18	1.00	
GRO (C4-C12) Total	1600	50	18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	38-134	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-5-T-190204	**19-02-0330-12-D**	**02/04/19 08:39**	**Aqueous**	**GC 24**	**02/13/19**	**02/14/19 13:55**	**190213L062**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	ND	50	15	1.00	
C6	ND	50	14	1.00	
C7	ND	50	15	1.00	
C8	ND	50	15	1.00	
C9-C10	ND	50	15	1.00	
C11-C12	ND	50	18	1.00	
GRO (C4-C12) Total	21	50	18	1.00	J

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	74	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1-T-190204	**19-02-0330-13-D**	**02/04/19 13:28**	**Aqueous**	**GC 24**	**02/13/19**	**02/14/19 14:32**	**190213L062**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	ND	50	15	1.00	
C6	ND	50	14	1.00	
C7	ND	50	15	1.00	
C8	ND	50	15	1.00	
C9-C10	ND	50	15	1.00	
C11-C12	ND	50	18	1.00	
GRO (C4-C12) Total	ND	50	18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	72	38-134	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VEW-1-T-190204	**19-02-0330-14-D**	**02/04/19 11:54**	**Aqueous**	**GC 24**	**02/13/19**	**02/14/19 15:09**	**190213L062**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	ND	50	15	1.00	
C6	ND	50	14	1.00	
C7	ND	50	15	1.00	
C8	ND	50	15	1.00	
C9-C10	23	50	15	1.00	J
C11-C12	ND	50	18	1.00	
GRO (C4-C12) Total	47	50	18	1.00	J

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	77	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
RMC-5-T-190204	**19-02-0330-15-D**	**02/04/19 11:16**	**Aqueous**	**GC 24**	**02/13/19**	**02/14/19 15:45**	**190213L062**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	280	50	15	1.00	
C6	49	50	14	1.00	J
C7	78	50	15	1.00	
C8	61	50	15	1.00	
C9-C10	350	50	15	1.00	
C11-C12	150	50	18	1.00	
GRO (C4-C12) Total	970	50	18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	197	38-134	2,7

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
RMC-7-T-190204	**19-02-0330-16-D**	**02/04/19 10:41**	**Aqueous**	**GC 42**	**02/14/19**	**02/14/19 22:08**	**190214L030**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	22	50	15	1.00	J
C6	ND	50	14	1.00	
C7	ND	50	15	1.00	
C8	ND	50	15	1.00	
C9-C10	53	50	15	1.00	
C11-C12	ND	50	18	1.00	
GRO (C4-C12) Total	120	50	18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	64	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-21D-T-190204	**19-02-0330-17-D**	**02/04/19 10:11**	**Aqueous**	**GC 42**	**02/14/19**	**02/14/19 22:43**	**190214L030**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	ND	50	15	1.00	
C6	ND	50	14	1.00	
C7	ND	50	15	1.00	
C8	ND	50	15	1.00	
C9-C10	ND	50	15	1.00	
C11-C12	ND	50	18	1.00	
GRO (C4-C12) Total	ND	50	18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	64	38-134	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-16D-T-190204	**19-02-0330-18-E**	**02/04/19 09:31**	**Aqueous**	**GC 42**	**02/15/19**	**02/16/19 00:20**	**190215L033**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	890	500	150	10.0	
C6	2400	500	140	10.0	
C7	150	500	150	10.0	J
C8	ND	500	150	10.0	
C9-C10	410	500	150	10.0	J
C11-C12	ND	500	180	10.0	
GRO (C4-C12) Total	4100	500	180	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	76	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-16-T-190204	**19-02-0330-19-D**	**02/04/19 08:56**	**Aqueous**	**GC 42**	**02/14/19**	**02/14/19 23:53**	**190214L030**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	560	50	15	1.00	
C6	270	50	14	1.00	
C7	62	50	15	1.00	
C8	57	50	15	1.00	
C9-C10	190	50	15	1.00	
C11-C12	77	50	18	1.00	
GRO (C4-C12) Total	1200	50	18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	77	38-134	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUP-1-WD-190204	**19-02-0330-20-F**	**02/04/19 09:06**	**Aqueous**	**GC 42**	**02/15/19**	**02/15/19 17:57**	**190215L033**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	650	50	15	1.00	
C6	320	50	14	1.00	
C7	71	50	15	1.00	
C8	67	50	15	1.00	
C9-C10	220	50	15	1.00	
C11-C12	84	50	18	1.00	
GRO (C4-C12) Total	1400	50	18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	77	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-18D-T-190204	**19-02-0330-21-D**	**02/04/19 08:28**	**Aqueous**	**GC 42**	**02/14/19**	**02/15/19 00:27**	**190214L030**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	22	50	15	1.00	J
C6	ND	50	14	1.00	
C7	ND	50	15	1.00	
C8	ND	50	15	1.00	
C9-C10	45	50	15	1.00	J
C11-C12	ND	50	18	1.00	
GRO (C4-C12) Total	92	50	18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	57	38-134	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-18-T-190204	**19-02-0330-22-D**	**02/04/19 08:06**	**Aqueous**	**GC 42**	**02/14/19**	**02/15/19 01:02**	**190214L030**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	15	50	15	1.00	J
C6	ND	50	14	1.00	
C7	ND	50	15	1.00	
C8	ND	50	15	1.00	
C9-C10	ND	50	15	1.00	
C11-C12	ND	50	18	1.00	
GRO (C4-C12) Total	53	50	18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	49	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-2-T-190204	**19-02-0330-23-D**	**02/04/19 13:51**	**Aqueous**	**GC 42**	**02/14/19**	**02/15/19 01:37**	**190214L030**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	94	50	15	1.00	
C6	36	50	14	1.00	J
C7	98	50	15	1.00	
C8	68	50	15	1.00	
C9-C10	510	50	15	1.00	
C11-C12	200	50	18	1.00	
GRO (C4-C12) Total	1000	50	18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	183	38-134	2,7

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-22-T-190205	**19-02-0330-24-D**	**02/05/19 06:47**	**Aqueous**	**GC 42**	**02/14/19**	**02/15/19 02:12**	**190214L030**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	ND	50	15	1.00	
C6	ND	50	14	1.00	
C7	ND	50	15	1.00	
C8	ND	50	15	1.00	
C9-C10	ND	50	15	1.00	
C11-C12	ND	50	18	1.00	
GRO (C4-C12) Total	ND	50	18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	63	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-23S-T-190205	**19-02-0330-25-D**	**02/05/19 08:40**	**Aqueous**	**GC 42**	**02/14/19**	**02/15/19 02:47**	**190214L030**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	ND	50	15	1.00	
C6	ND	50	14	1.00	
C7	ND	50	15	1.00	
C8	ND	50	15	1.00	
C9-C10	ND	50	15	1.00	
C11-C12	ND	50	18	1.00	
GRO (C4-C12) Total	ND	50	18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	57	38-134	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-23M-T-190205	**19-02-0330-26-F**	**02/05/19 08:04**	**Aqueous**	**GC 42**	**02/15/19**	**02/15/19 19:41**	**190215L033**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	ND	50	15	1.00	
C6	ND	50	14	1.00	
C7	ND	50	15	1.00	
C8	ND	50	15	1.00	
C9-C10	ND	50	15	1.00	
C11-C12	ND	50	18	1.00	
GRO (C4-C12) Total	ND	50	18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	64	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-23D-T-190205	**19-02-0330-27-D**	**02/05/19 07:28**	**Aqueous**	**GC 25**	**02/14/19**	**02/14/19 20:56**	**190214L036**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	ND	50	15	1.00	
C6	ND	50	14	1.00	
C7	ND	50	15	1.00	
C8	ND	50	15	1.00	
C9-C10	ND	50	15	1.00	
C11-C12	ND	50	18	1.00	
GRO (C4-C12) Total	ND	50	18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	77	38-134	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-24S-T-190205	**19-02-0330-28-D**	**02/05/19 10:30**	**Aqueous**	**GC 25**	**02/14/19**	**02/14/19 22:36**	**190214L036**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	41	50	15	1.00	J
C6	61	50	14	1.00	
C7	31	50	15	1.00	J
C8	25	50	15	1.00	J
C9-C10	140	50	15	1.00	
C11-C12	99	50	18	1.00	
GRO (C4-C12) Total	390	50	18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-24M-T-190205	**19-02-0330-29-D**	**02/05/19 09:53**	**Aqueous**	**GC 25**	**02/14/19**	**02/14/19 23:09**	**190214L036**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	250	50	15	1.00	
C6	210	50	14	1.00	
C7	91	50	15	1.00	
C8	72	50	15	1.00	
C9-C10	270	50	15	1.00	
C11-C12	150	50	18	1.00	
GRO (C4-C12) Total	1000	50	18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	102	38-134	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-24D-T-190205	**19-02-0330-30-D**	**02/05/19 09:15**	**Aqueous**	**GC 25**	**02/14/19**	**02/14/19 23:42**	**190214L036**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	120	50	15	1.00	
C6	90	50	14	1.00	
C7	44	50	15	1.00	J
C8	38	50	15	1.00	J
C9-C10	72	50	15	1.00	
C11-C12	42	50	18	1.00	J
GRO (C4-C12) Total	410	50	18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	86	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-15-T-190205	**19-02-0330-31-D**	**02/05/19 11:03**	**Aqueous**	**GC 25**	**02/14/19**	**02/15/19 00:15**	**190214L036**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	1100	50	15	1.00	
C6	2100	50	14	1.00	
C7	180	50	15	1.00	
C8	270	50	15	1.00	
C9-C10	500	50	15	1.00	
C11-C12	250	50	18	1.00	
GRO (C4-C12) Total	4400	50	18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	112	38-134	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-13-T-190205	**19-02-0330-32-D**	**02/05/19 12:48**	**Aqueous**	**GC 25**	**02/14/19**	**02/15/19 00:49**	**190214L036**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	ND	50	15	1.00	
C6	ND	50	14	1.00	
C7	ND	50	15	1.00	
C8	ND	50	15	1.00	
C9-C10	ND	50	15	1.00	
C11-C12	ND	50	18	1.00	
GRO (C4-C12) Total	21	50	18	1.00	J

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	77	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-7-T-190205	**19-02-0330-33-D**	**02/05/19 13:28**	**Aqueous**	**GC 25**	**02/14/19**	**02/15/19 01:22**	**190214L036**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	ND	50	15	1.00	
C6	ND	50	14	1.00	
C7	ND	50	15	1.00	
C8	ND	50	15	1.00	
C9-C10	ND	50	15	1.00	
C11-C12	ND	50	18	1.00	
GRO (C4-C12) Total	ND	50	18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	79	38-134	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-6-T-190205	**19-02-0330-34-D**	**02/05/19 14:06**	**Aqueous**	**GC 25**	**02/14/19**	**02/15/19 01:55**	**190214L036**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	ND	50	15	1.00	
C6	ND	50	14	1.00	
C7	ND	50	15	1.00	
C8	ND	50	15	1.00	
C9-C10	ND	50	15	1.00	
C11-C12	ND	50	18	1.00	
GRO (C4-C12) Total	ND	50	18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	77	38-134	

Method Blank	099-13-047-736	N/A	Aqueous	GC 24	02/13/19	02/13/19 22:55	190213L062

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	ND	50	15	1.00	
C6	ND	50	14	1.00	
C7	ND	50	15	1.00	
C8	ND	50	15	1.00	
C9-C10	ND	50	15	1.00	
C11-C12	ND	50	18	1.00	
GRO (C4-C12) Total	ND	50	18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	71	38-134	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-13-047-734**	**N/A**	**Aqueous**	**GC 42**	**02/14/19**	**02/14/19 19:49**	**190214L030**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	ND	50	15	1.00	
C6	ND	50	14	1.00	
C7	ND	50	15	1.00	
C8	ND	50	15	1.00	
C9-C10	ND	50	15	1.00	
C11-C12	ND	50	18	1.00	
GRO (C4-C12) Total	ND	50	18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	60	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-13-047-735**	**N/A**	**Aqueous**	**GC 25**	**02/14/19**	**02/14/19 20:23**	**190214L036**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	ND	50	15	1.00	
C6	ND	50	14	1.00	
C7	ND	50	15	1.00	
C8	ND	50	15	1.00	
C9-C10	ND	50	15	1.00	
C11-C12	ND	50	18	1.00	
GRO (C4-C12) Total	ND	50	18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	70	38-134	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-13-047-737**	**N/A**	**Aqueous**	**GC 42**	**02/15/19**	**02/15/19 16:59**	**190215L033**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	ND	50	15	1.00	
C6	ND	50	14	1.00	
C7	ND	50	15	1.00	
C8	ND	50	15	1.00	
C9-C10	ND	50	15	1.00	
C11-C12	ND	50	18	1.00	
GRO (C4-C12) Total	ND	50	18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	65	38-134	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-15D-T-190204	**19-02-0330-2-A**	**02/04/19 14:30**	**Aqueous**	**GC/MS W**	**02/13/19**	**02/14/19 01:04**	**190213L030**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	ND	1.0	0.19	1.00	
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	0.65	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	ND	1.0	0.16	1.00	
p-Isopropyltoluene	ND	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	ND	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	ND	2.0	0.31	1.00	
o-Xylene	ND	1.0	0.15	1.00	
Xylenes (total)	ND	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.16	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	3.1	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.16	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	ND	100	53	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 3 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	77-120	
Dibromofluoromethane	97	80-128	
1,2-Dichloroethane-d4	91	80-129	
Toluene-d8	100	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-17D-T-190204	**19-02-0330-3-A**	**02/04/19 14:03**	**Aqueous**	**GC/MS W**	**02/13/19**	**02/14/19 07:37**	**190213L046**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	ND	1.0	0.19	1.00	
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	ND	1.0	0.16	1.00	
p-Isopropyltoluene	ND	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	ND	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	ND	2.0	0.31	1.00	
o-Xylene	ND	1.0	0.15	1.00	
Xylenes (total)	ND	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.16	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	3.1	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.16	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	ND	100	53	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 6 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	77-120	
Dibromofluoromethane	99	80-128	
1,2-Dichloroethane-d4	92	80-129	
Toluene-d8	99	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-17-T-190204	**19-02-0330-4-A**	**02/04/19 13:30**	**Aqueous**	**GC/MS W**	**02/13/19**	**02/14/19 08:03**	**190213L046**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	17	20	10	1.00	J
Benzene	49	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	0.23	1.0	0.19	1.00	J
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	0.45	1.0	0.16	1.00	J
p-Isopropyltoluene	0.33	1.0	0.22	1.00	J
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	0.68	1.0	0.18	1.00	J
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	2.5	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	0.32	1.0	0.17	1.00	J
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	1.4	2.0	0.31	1.00	J
o-Xylene	0.19	1.0	0.15	1.00	J
Xylenes (total)	1.6	1.0	0.15	1.00	JA
Methyl-t-Butyl Ether (MTBE)	47	1.0	0.16	1.00	
Tert-Butyl Alcohol (TBA)	270	10	3.1	1.00	
Diisopropyl Ether (DIPE)	0.92	2.0	0.16	1.00	J
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	ND	100	53	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 9 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	77-120	
Dibromofluoromethane	96	80-128	
1,2-Dichloroethane-d4	90	80-129	
Toluene-d8	100	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-14-T-190204	**19-02-0330-5-B**	**02/04/19 12:06**	**Aqueous**	**GC/MS W**	**02/14/19**	**02/15/19 02:58**	**190214L015**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	400	200	20.0	
Benzene	2800	20	2.8	20.0	
Bromobenzene	ND	20	3.8	20.0	
Bromochloromethane	ND	40	9.2	20.0	
Bromodichloromethane	ND	20	4.6	20.0	
Bromoform	ND	100	37	20.0	
Bromomethane	ND	1000	390	20.0	
2-Butanone	ND	400	130	20.0	
n-Butylbenzene	14	20	6.0	20.0	J
sec-Butylbenzene	4.3	20	3.8	20.0	J
tert-Butylbenzene	ND	20	4.9	20.0	
Carbon Disulfide	ND	200	14	20.0	
Carbon Tetrachloride	ND	10	4.6	20.0	
Chlorobenzene	ND	20	3.2	20.0	
Chloroethane	ND	100	15	20.0	
Chloroform	ND	20	3.7	20.0	
Chloromethane	ND	200	10	20.0	
2-Chlorotoluene	ND	20	3.3	20.0	
4-Chlorotoluene	ND	20	3.7	20.0	
Dibromochloromethane	ND	40	9.2	20.0	
1,2-Dibromo-3-Chloropropane	ND	100	41	20.0	
1,2-Dibromoethane	ND	20	5.3	20.0	
Dibromomethane	ND	20	5.9	20.0	
1,2-Dichlorobenzene	ND	20	2.9	20.0	
1,3-Dichlorobenzene	ND	20	3.7	20.0	
1,4-Dichlorobenzene	ND	20	4.7	20.0	
Dichlorodifluoromethane	ND	100	5.7	20.0	
1,1-Dichloroethane	ND	20	5.7	20.0	
1,2-Dichloroethane	ND	10	3.8	20.0	
1,1-Dichloroethene	ND	20	4.5	20.0	
c-1,2-Dichloroethene	ND	20	5.4	20.0	
t-1,2-Dichloroethene	ND	20	8.0	20.0	
1,2-Dichloropropane	ND	20	3.9	20.0	
1,3-Dichloropropane	ND	20	2.7	20.0	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	20	8.8	20.0	
1,1-Dichloropropene	ND	20	3.4	20.0	
c-1,3-Dichloropropene	ND	10	4.1	20.0	
t-1,3-Dichloropropene	ND	10	4.6	20.0	
Ethylbenzene	460	20	2.8	20.0	
2-Hexanone	ND	200	110	20.0	
Isopropylbenzene	27	20	3.2	20.0	
p-Isopropyltoluene	ND	20	4.3	20.0	
Methylene Chloride	ND	200	80	20.0	
4-Methyl-2-Pentanone	ND	200	9.2	20.0	
Naphthalene	270	200	100	20.0	
n-Propylbenzene	57	20	3.5	20.0	
Styrene	ND	20	2.9	20.0	
1,1,1,2-Tetrachloroethane	ND	40	8.5	20.0	
1,1,2,2-Tetrachloroethane	ND	200	3.4	20.0	
Tetrachloroethene	ND	20	4.7	20.0	
Toluene	730	20	2.6	20.0	
1,2,3-Trichlorobenzene	ND	20	5.7	20.0	
1,2,4-Trichlorobenzene	ND	20	6.8	20.0	
1,1,1-Trichloroethane	ND	20	6.1	20.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	200	12	20.0	
1,1,2-Trichloroethane	ND	20	4.4	20.0	
Trichloroethene	ND	20	4.7	20.0	
Trichlorofluoromethane	ND	200	5.6	20.0	
1,2,3-Trichloropropane	ND	100	4.4	20.0	
1,2,4-Trimethylbenzene	440	20	4.2	20.0	
1,3,5-Trimethylbenzene	110	20	3.4	20.0	
Vinyl Acetate	ND	200	57	20.0	
Vinyl Chloride	ND	10	3.2	20.0	
p/m-Xylene	870	40	6.1	20.0	
o-Xylene	450	20	3.1	20.0	
Xylenes (total)	1300	20	3.1	1.00	
Methyl-t-Butyl Ether (MTBE)	20	20	3.2	20.0	J
Tert-Butyl Alcohol (TBA)	440	200	62	20.0	
Diisopropyl Ether (DIPE)	ND	40	3.1	20.0	
Ethyl-t-Butyl Ether (ETBE)	ND	40	2.4	20.0	
Tert-Amyl-Methyl Ether (TAME)	ND	40	2.5	20.0	
Ethanol	ND	2000	1100	20.0	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 12 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	77-120	
Dibromofluoromethane	95	80-128	
1,2-Dichloroethane-d4	89	80-129	
Toluene-d8	99	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-14D-T-190204	**19-02-0330-6-A**	**02/04/19 11:37**	**Aqueous**	**GC/MS W**	**02/13/19**	**02/14/19 08:30**	**190213L046**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	ND	1.0	0.19	1.00	
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	14	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	ND	1.0	0.16	1.00	
p-Isopropyltoluene	ND	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	ND	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	ND	2.0	0.31	1.00	
o-Xylene	ND	1.0	0.15	1.00	
Xylenes (total)	ND	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	0.18	1.0	0.16	1.00	J
Tert-Butyl Alcohol (TBA)	38	10	3.1	1.00	
Diisopropyl Ether (DIPE)	1.3	2.0	0.16	1.00	J
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	ND	100	53	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 15 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	77-120	
Dibromofluoromethane	96	80-128	
1,2-Dichloroethane-d4	90	80-129	
Toluene-d8	99	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUP-2-WD-190204	**19-02-0330-7-A**	**02/04/19 12:16**	**Aqueous**	**GC/MS W**	**02/14/19**	**02/15/19 03:50**	**190214L015**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	1000	500	50.0	
Benzene	2400	50	7.0	50.0	
Bromobenzene	ND	50	9.6	50.0	
Bromochloromethane	ND	100	23	50.0	
Bromodichloromethane	ND	50	12	50.0	
Bromoform	ND	250	92	50.0	
Bromomethane	ND	2500	970	50.0	
2-Butanone	ND	1000	330	50.0	
n-Butylbenzene	ND	50	15	50.0	
sec-Butylbenzene	ND	50	9.5	50.0	
tert-Butylbenzene	ND	50	12	50.0	
Carbon Disulfide	ND	500	35	50.0	
Carbon Tetrachloride	ND	25	12	50.0	
Chlorobenzene	ND	50	8.0	50.0	
Chloroethane	ND	250	38	50.0	
Chloroform	ND	50	9.2	50.0	
Chloromethane	ND	500	25	50.0	
2-Chlorotoluene	ND	50	8.2	50.0	
4-Chlorotoluene	ND	50	9.2	50.0	
Dibromochloromethane	ND	100	23	50.0	
1,2-Dibromo-3-Chloropropane	ND	250	100	50.0	
1,2-Dibromoethane	ND	50	13	50.0	
Dibromomethane	ND	50	15	50.0	
1,2-Dichlorobenzene	ND	50	7.2	50.0	
1,3-Dichlorobenzene	ND	50	9.3	50.0	
1,4-Dichlorobenzene	ND	50	12	50.0	
Dichlorodifluoromethane	ND	250	14	50.0	
1,1-Dichloroethane	ND	50	14	50.0	
1,2-Dichloroethane	ND	25	9.4	50.0	
1,1-Dichloroethene	ND	50	11	50.0	
c-1,2-Dichloroethene	ND	50	14	50.0	
t-1,2-Dichloroethene	ND	50	20	50.0	
1,2-Dichloropropane	ND	50	9.9	50.0	
1,3-Dichloropropane	ND	50	6.9	50.0	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	50	22	50.0	
1,1-Dichloropropene	ND	50	8.6	50.0	
c-1,3-Dichloropropene	ND	25	10	50.0	
t-1,3-Dichloropropene	ND	25	11	50.0	
Ethylbenzene	380	50	6.9	50.0	
2-Hexanone	ND	500	260	50.0	
Isopropylbenzene	22	50	8.1	50.0	J
p-Isopropyltoluene	ND	50	11	50.0	
Methylene Chloride	ND	500	200	50.0	
4-Methyl-2-Pentanone	ND	500	23	50.0	
Naphthalene	410	500	250	50.0	J
n-Propylbenzene	46	50	8.8	50.0	J
Styrene	ND	50	7.3	50.0	
1,1,1,2-Tetrachloroethane	ND	100	21	50.0	
1,1,2,2-Tetrachloroethane	ND	500	8.6	50.0	
Tetrachloroethene	ND	50	12	50.0	
Toluene	600	50	6.4	50.0	
1,2,3-Trichlorobenzene	ND	50	14	50.0	
1,2,4-Trichlorobenzene	ND	50	17	50.0	
1,1,1-Trichloroethane	ND	50	15	50.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	500	31	50.0	
1,1,2-Trichloroethane	ND	50	11	50.0	
Trichloroethene	ND	50	12	50.0	
Trichlorofluoromethane	ND	500	14	50.0	
1,2,3-Trichloropropane	ND	250	11	50.0	
1,2,4-Trimethylbenzene	350	50	10	50.0	
1,3,5-Trimethylbenzene	91	50	8.5	50.0	
Vinyl Acetate	ND	500	140	50.0	
Vinyl Chloride	ND	25	8.0	50.0	
p/m-Xylene	730	100	15	50.0	
o-Xylene	370	50	7.7	50.0	
Xylenes (total)	1100	50	7.7	1.00	
Methyl-t-Butyl Ether (MTBE)	16	50	8.1	50.0	J
Tert-Butyl Alcohol (TBA)	490	500	150	50.0	J
Diisopropyl Ether (DIPE)	ND	100	7.8	50.0	
Ethyl-t-Butyl Ether (ETBE)	ND	100	5.9	50.0	
Tert-Amyl-Methyl Ether (TAME)	ND	100	6.4	50.0	
Ethanol	ND	5000	2600	50.0	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 18 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	77-120	
Dibromofluoromethane	97	80-128	
1,2-Dichloroethane-d4	90	80-129	
Toluene-d8	100	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
RMC-6-T-190204	**19-02-0330-8-A**	**02/04/19 11:05**	**Aqueous**	**GC/MS W**	**02/13/19**	**02/14/19 08:57**	**190213L046**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	ND	1.0	0.19	1.00	
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	11	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	ND	1.0	0.16	1.00	
p-Isopropyltoluene	ND	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	ND	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	ND	2.0	0.31	1.00	
o-Xylene	ND	1.0	0.15	1.00	
Xylenes (total)	ND	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	0.75	1.0	0.16	1.00	J
Tert-Butyl Alcohol (TBA)	43	10	3.1	1.00	
Diisopropyl Ether (DIPE)	0.46	2.0	0.16	1.00	J
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	ND	100	53	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 21 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	77-120	
Dibromofluoromethane	96	80-128	
1,2-Dichloroethane-d4	90	80-129	
Toluene-d8	100	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-21S-T-190204	**19-02-0330-9-A**	**02/04/19 10:28**	**Aqueous**	**GC/MS W**	**02/13/19**	**02/14/19 09:24**	**190213L046**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	0.49	1.0	0.19	1.00	J
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	0.66	1.0	0.16	1.00	J
p-Isopropyltoluene	ND	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	0.71	1.0	0.18	1.00	J
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	ND	2.0	0.31	1.00	
o-Xylene	ND	1.0	0.15	1.00	
Xylenes (total)	ND	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	0.79	1.0	0.16	1.00	J
Tert-Butyl Alcohol (TBA)	12	10	3.1	1.00	
Diisopropyl Ether (DIPE)	0.36	2.0	0.16	1.00	J
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	ND	100	53	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 24 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	77-120	
Dibromofluoromethane	97	80-128	
1,2-Dichloroethane-d4	90	80-129	
Toluene-d8	101	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-19-T-190204	**19-02-0330-10-A**	**02/04/19 09:57**	**Aqueous**	**GC/MS W**	**02/14/19**	**02/15/19 04:42**	**190214L015**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	2000	1000	100	
Benzene	12000	100	14	100	
Bromobenzene	ND	100	19	100	
Bromochloromethane	ND	200	46	100	
Bromodichloromethane	ND	100	23	100	
Bromoform	ND	500	180	100	
Bromomethane	ND	5000	1900	100	
2-Butanone	ND	2000	660	100	
n-Butylbenzene	ND	100	30	100	
sec-Butylbenzene	ND	100	19	100	
tert-Butylbenzene	ND	100	25	100	
Carbon Disulfide	ND	1000	70	100	
Carbon Tetrachloride	ND	50	23	100	
Chlorobenzene	ND	100	16	100	
Chloroethane	ND	500	76	100	
Chloroform	ND	100	18	100	
Chloromethane	ND	1000	50	100	
2-Chlorotoluene	ND	100	16	100	
4-Chlorotoluene	ND	100	18	100	
Dibromochloromethane	ND	200	46	100	
1,2-Dibromo-3-Chloropropane	ND	500	210	100	
1,2-Dibromoethane	ND	100	27	100	
Dibromomethane	ND	100	30	100	
1,2-Dichlorobenzene	ND	100	14	100	
1,3-Dichlorobenzene	ND	100	19	100	
1,4-Dichlorobenzene	ND	100	24	100	
Dichlorodifluoromethane	ND	500	28	100	
1,1-Dichloroethane	ND	100	28	100	
1,2-Dichloroethane	ND	50	19	100	
1,1-Dichloroethene	ND	100	22	100	
c-1,2-Dichloroethene	ND	100	27	100	
t-1,2-Dichloroethene	ND	100	40	100	
1,2-Dichloropropane	ND	100	20	100	
1,3-Dichloropropane	ND	100	14	100	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	100	44	100	
1,1-Dichloropropene	ND	100	17	100	
c-1,3-Dichloropropene	ND	50	20	100	
t-1,3-Dichloropropene	ND	50	23	100	
Ethylbenzene	960	100	14	100	
2-Hexanone	ND	1000	530	100	
Isopropylbenzene	48	100	16	100	J
p-Isopropyltoluene	ND	100	22	100	
Methylene Chloride	ND	1000	400	100	
4-Methyl-2-Pentanone	ND	1000	46	100	
Naphthalene	590	1000	510	100	J
n-Propylbenzene	96	100	18	100	J
Styrene	ND	100	15	100	
1,1,1,2-Tetrachloroethane	ND	200	43	100	
1,1,2,2-Tetrachloroethane	ND	1000	17	100	
Tetrachloroethene	ND	100	24	100	
Toluene	210	100	13	100	
1,2,3-Trichlorobenzene	ND	100	28	100	
1,2,4-Trichlorobenzene	ND	100	34	100	
1,1,1-Trichloroethane	ND	100	31	100	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1000	62	100	
1,1,2-Trichloroethane	ND	100	22	100	
Trichloroethene	ND	100	24	100	
Trichlorofluoromethane	ND	1000	28	100	
1,2,3-Trichloropropane	ND	500	22	100	
1,2,4-Trimethylbenzene	ND	100	21	100	
1,3,5-Trimethylbenzene	ND	100	17	100	
Vinyl Acetate	ND	1000	290	100	
Vinyl Chloride	ND	50	16	100	
p/m-Xylene	59	200	31	100	J
o-Xylene	19	100	15	100	J
Xylenes (total)	77	100	15	1.00	JA
Methyl-t-Butyl Ether (MTBE)	1100	100	16	100	
Tert-Butyl Alcohol (TBA)	6400	1000	310	100	
Diisopropyl Ether (DIPE)	ND	200	16	100	
Ethyl-t-Butyl Ether (ETBE)	ND	200	12	100	
Tert-Amyl-Methyl Ether (TAME)	ND	200	13	100	
Ethanol	ND	10000	5300	100	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 27 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	77-120	
Dibromofluoromethane	97	80-128	
1,2-Dichloroethane-d4	90	80-129	
Toluene-d8	99	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-20-T-190204	**19-02-0330-11-A**	**02/04/19 09:20**	**Aqueous**	**GC/MS W**	**02/14/19**	**02/15/19 03:24**	**190214L015**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	500	250	25.0	
Benzene	3800	25	3.5	25.0	
Bromobenzene	ND	25	4.8	25.0	
Bromochloromethane	ND	50	12	25.0	
Bromodichloromethane	ND	25	5.8	25.0	
Bromoform	ND	120	46	25.0	
Bromomethane	ND	1200	490	25.0	
2-Butanone	ND	500	160	25.0	
n-Butylbenzene	16	25	7.5	25.0	J
sec-Butylbenzene	7.1	25	4.7	25.0	J
tert-Butylbenzene	ND	25	6.2	25.0	
Carbon Disulfide	ND	250	17	25.0	
Carbon Tetrachloride	ND	12	5.8	25.0	
Chlorobenzene	ND	25	4.0	25.0	
Chloroethane	ND	120	19	25.0	
Chloroform	ND	25	4.6	25.0	
Chloromethane	ND	250	13	25.0	
2-Chlorotoluene	ND	25	4.1	25.0	
4-Chlorotoluene	ND	25	4.6	25.0	
Dibromochloromethane	ND	50	12	25.0	
1,2-Dibromo-3-Chloropropane	ND	120	52	25.0	
1,2-Dibromoethane	ND	25	6.7	25.0	
Dibromomethane	ND	25	7.4	25.0	
1,2-Dichlorobenzene	ND	25	3.6	25.0	
1,3-Dichlorobenzene	ND	25	4.6	25.0	
1,4-Dichlorobenzene	ND	25	5.9	25.0	
Dichlorodifluoromethane	ND	120	7.1	25.0	
1,1-Dichloroethane	ND	25	7.1	25.0	
1,2-Dichloroethane	ND	12	4.7	25.0	
1,1-Dichloroethene	ND	25	5.6	25.0	
c-1,2-Dichloroethene	ND	25	6.8	25.0	
t-1,2-Dichloroethene	ND	25	10	25.0	
1,2-Dichloropropane	ND	25	4.9	25.0	
1,3-Dichloropropane	ND	25	3.4	25.0	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	25	11	25.0	
1,1-Dichloropropene	ND	25	4.3	25.0	
c-1,3-Dichloropropene	ND	12	5.1	25.0	
t-1,3-Dichloropropene	ND	12	5.7	25.0	
Ethylbenzene	1200	25	3.5	25.0	
2-Hexanone	ND	250	130	25.0	
Isopropylbenzene	56	25	4.0	25.0	
p-Isopropyltoluene	ND	25	5.4	25.0	
Methylene Chloride	ND	250	100	25.0	
4-Methyl-2-Pentanone	ND	250	11	25.0	
Naphthalene	360	250	130	25.0	
n-Propylbenzene	120	25	4.4	25.0	
Styrene	ND	25	3.6	25.0	
1,1,1,2-Tetrachloroethane	ND	50	11	25.0	
1,1,2,2-Tetrachloroethane	ND	250	4.3	25.0	
Tetrachloroethene	ND	25	5.9	25.0	
Toluene	130	25	3.2	25.0	
1,2,3-Trichlorobenzene	ND	25	7.1	25.0	
1,2,4-Trichlorobenzene	ND	25	8.5	25.0	
1,1,1-Trichloroethane	ND	25	7.7	25.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	250	16	25.0	
1,1,2-Trichloroethane	ND	25	5.6	25.0	
Trichloroethene	ND	25	5.9	25.0	
Trichlorofluoromethane	ND	250	7.1	25.0	
1,2,3-Trichloropropane	ND	120	5.5	25.0	
1,2,4-Trimethylbenzene	32	25	5.2	25.0	
1,3,5-Trimethylbenzene	68	25	4.3	25.0	
Vinyl Acetate	ND	250	71	25.0	
Vinyl Chloride	ND	12	4.0	25.0	
p/m-Xylene	390	50	7.7	25.0	
o-Xylene	8.4	25	3.8	25.0	J
Xylenes (total)	400	25	3.8	1.00	JA
Methyl-t-Butyl Ether (MTBE)	ND	25	4.0	25.0	
Tert-Butyl Alcohol (TBA)	520	250	77	25.0	
Diisopropyl Ether (DIPE)	ND	50	3.9	25.0	
Ethyl-t-Butyl Ether (ETBE)	ND	50	3.0	25.0	
Tert-Amyl-Methyl Ether (TAME)	ND	50	3.2	25.0	
Ethanol	ND	2500	1300	25.0	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 30 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	77-120	
Dibromofluoromethane	96	80-128	
1,2-Dichloroethane-d4	89	80-129	
Toluene-d8	99	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-5-T-190204	**19-02-0330-12-A**	**02/04/19 08:39**	**Aqueous**	**GC/MS W**	**02/13/19**	**02/14/19 09:50**	**190213L046**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	ND	1.0	0.19	1.00	
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	0.27	0.50	0.19	1.00	J
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	ND	1.0	0.16	1.00	
p-Isopropyltoluene	ND	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	ND	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	ND	2.0	0.31	1.00	
o-Xylene	ND	1.0	0.15	1.00	
Xylenes (total)	ND	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.16	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	3.1	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.16	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	ND	100	53	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 33 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	77-120	
Dibromofluoromethane	98	80-128	
1,2-Dichloroethane-d4	92	80-129	
Toluene-d8	100	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1-T-190204	**19-02-0330-13-A**	**02/04/19 13:28**	**Aqueous**	**GC/MS W**	**02/13/19**	**02/14/19 10:16**	**190213L046**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	ND	1.0	0.19	1.00	
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	ND	1.0	0.16	1.00	
p-Isopropyltoluene	ND	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	ND	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	ND	2.0	0.31	1.00	
o-Xylene	ND	1.0	0.15	1.00	
Xylenes (total)	ND	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.16	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	3.1	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.16	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	ND	100	53	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 36 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	77-120	
Dibromofluoromethane	98	80-128	
1,2-Dichloroethane-d4	92	80-129	
Toluene-d8	99	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VEW-1-T-190204	**19-02-0330-14-A**	**02/04/19 11:54**	**Aqueous**	**GC/MS W**	**02/13/19**	**02/14/19 10:42**	**190213L046**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	ND	1.0	0.19	1.00	
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	0.84	1.0	0.16	1.00	J
p-Isopropyltoluene	ND	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	0.28	1.0	0.18	1.00	J
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	ND	2.0	0.31	1.00	
o-Xylene	ND	1.0	0.15	1.00	
Xylenes (total)	ND	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	2.8	1.0	0.16	1.00	
Tert-Butyl Alcohol (TBA)	35	10	3.1	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.16	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	ND	100	53	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 39 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	77-120	
Dibromofluoromethane	96	80-128	
1,2-Dichloroethane-d4	92	80-129	
Toluene-d8	100	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
RMC-5-T-190204	**19-02-0330-15-A**	**02/04/19 11:16**	**Aqueous**	**GC/MS W**	**02/13/19**	**02/14/19 11:09**	**190213L046**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	3.5	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	3.2	1.0	0.30	1.00	
sec-Butylbenzene	5.5	1.0	0.19	1.00	
tert-Butylbenzene	0.41	1.0	0.25	1.00	J
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	0.73	1.0	0.14	1.00	J
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	41	1.0	0.16	1.00	
p-Isopropyltoluene	0.34	1.0	0.22	1.00	J
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	23	10	5.1	1.00	
n-Propylbenzene	28	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	0.14	1.0	0.13	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	0.19	1.0	0.17	1.00	J
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	1.2	2.0	0.31	1.00	J
o-Xylene	ND	1.0	0.15	1.00	
Xylenes (total)	1.2	1.0	0.15	1.00	JA
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.16	1.00	
Tert-Butyl Alcohol (TBA)	13	10	3.1	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.16	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	ND	100	53	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 42 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	102	77-120	
Dibromofluoromethane	98	80-128	
1,2-Dichloroethane-d4	91	80-129	
Toluene-d8	101	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
RMC-7-T-190204	**19-02-0330-16-A**	**02/04/19 10:41**	**Aqueous**	**GC/MS W**	**02/13/19**	**02/14/19 11:35**	**190213L046**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	ND	1.0	0.19	1.00	
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	1.4	5.0	0.76	1.00	J
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	8.7	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	0.18	1.0	0.16	1.00	J
p-Isopropyltoluene	ND	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	6.3	10	5.1	1.00	J
n-Propylbenzene	ND	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	ND	2.0	0.31	1.00	
o-Xylene	ND	1.0	0.15	1.00	
Xylenes (total)	ND	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	5.6	1.0	0.16	1.00	
Tert-Butyl Alcohol (TBA)	630	10	3.1	1.00	
Diisopropyl Ether (DIPE)	5.0	2.0	0.16	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	59	100	53	1.00	J

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 45 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	77-120	
Dibromofluoromethane	95	80-128	
1,2-Dichloroethane-d4	90	80-129	
Toluene-d8	101	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-21D-T-190204	**19-02-0330-17-A**	**02/04/19 10:11**	**Aqueous**	**GC/MS W**	**02/13/19**	**02/14/19 12:02**	**190213L046**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	ND	1.0	0.19	1.00	
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	ND	1.0	0.16	1.00	
p-Isopropyltoluene	ND	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	ND	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	ND	2.0	0.31	1.00	
o-Xylene	ND	1.0	0.15	1.00	
Xylenes (total)	ND	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.16	1.00	
Tert-Butyl Alcohol (TBA)	220	10	3.1	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.16	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	78	100	53	1.00	J

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 48 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	77-120	
Dibromofluoromethane	99	80-128	
1,2-Dichloroethane-d4	91	80-129	
Toluene-d8	99	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: Chevron 306600

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-16D-T-190204	**19-02-0330-18-B**	**02/04/19 09:31**	**Aqueous**	**GC/MS W**	**02/14/19**	**02/15/19 02:06**	**190214L015**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	200	100	10.0	
Benzene	1800	10	1.4	10.0	
Bromobenzene	ND	10	1.9	10.0	
Bromochloromethane	ND	20	4.6	10.0	
Bromodichloromethane	ND	10	2.3	10.0	
Bromoform	ND	50	18	10.0	
Bromomethane	ND	500	190	10.0	
2-Butanone	ND	200	66	10.0	
n-Butylbenzene	5.8	10	3.0	10.0	J
sec-Butylbenzene	4.0	10	1.9	10.0	J
tert-Butylbenzene	ND	10	2.5	10.0	
Carbon Disulfide	ND	100	7.0	10.0	
Carbon Tetrachloride	ND	5.0	2.3	10.0	
Chlorobenzene	ND	10	1.6	10.0	
Chloroethane	ND	50	7.6	10.0	
Chloroform	ND	10	1.8	10.0	
Chloromethane	ND	100	5.0	10.0	
2-Chlorotoluene	ND	10	1.6	10.0	
4-Chlorotoluene	ND	10	1.8	10.0	
Dibromochloromethane	ND	20	4.6	10.0	
1,2-Dibromo-3-Chloropropane	ND	50	21	10.0	
1,2-Dibromoethane	ND	10	2.7	10.0	
Dibromomethane	ND	10	3.0	10.0	
1,2-Dichlorobenzene	ND	10	1.4	10.0	
1,3-Dichlorobenzene	ND	10	1.9	10.0	
1,4-Dichlorobenzene	ND	10	2.4	10.0	
Dichlorodifluoromethane	ND	50	2.8	10.0	
1,1-Dichloroethane	ND	10	2.8	10.0	
1,2-Dichloroethane	ND	5.0	1.9	10.0	
1,1-Dichloroethene	ND	10	2.2	10.0	
c-1,2-Dichloroethene	ND	10	2.7	10.0	
t-1,2-Dichloroethene	ND	10	4.0	10.0	
1,2-Dichloropropane	ND	10	2.0	10.0	
1,3-Dichloropropane	ND	10	1.4	10.0	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	10	4.4	10.0	
1,1-Dichloropropene	ND	10	1.7	10.0	
c-1,3-Dichloropropene	ND	5.0	2.0	10.0	
t-1,3-Dichloropropene	ND	5.0	2.3	10.0	
Ethylbenzene	80	10	1.4	10.0	
2-Hexanone	ND	100	53	10.0	
Isopropylbenzene	37	10	1.6	10.0	
p-Isopropyltoluene	ND	10	2.2	10.0	
Methylene Chloride	ND	100	40	10.0	
4-Methyl-2-Pentanone	ND	100	4.6	10.0	
Naphthalene	110	100	51	10.0	
n-Propylbenzene	73	10	1.8	10.0	
Styrene	ND	10	1.5	10.0	
1,1,1,2-Tetrachloroethane	ND	20	4.3	10.0	
1,1,2,2-Tetrachloroethane	ND	100	1.7	10.0	
Tetrachloroethene	ND	10	2.4	10.0	
Toluene	23	10	1.3	10.0	
1,2,3-Trichlorobenzene	ND	10	2.8	10.0	
1,2,4-Trichlorobenzene	ND	10	3.4	10.0	
1,1,1-Trichloroethane	ND	10	3.1	10.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	100	6.2	10.0	
1,1,2-Trichloroethane	ND	10	2.2	10.0	
Trichloroethene	ND	10	2.4	10.0	
Trichlorofluoromethane	ND	100	2.8	10.0	
1,2,3-Trichloropropane	ND	50	2.2	10.0	
1,2,4-Trimethylbenzene	2.4	10	2.1	10.0	J
1,3,5-Trimethylbenzene	ND	10	1.7	10.0	
Vinyl Acetate	ND	100	29	10.0	
Vinyl Chloride	ND	5.0	1.6	10.0	
p/m-Xylene	14	20	3.1	10.0	J
o-Xylene	2.6	10	1.5	10.0	J
Xylenes (total)	17	10	1.5	1.00	JA
Methyl-t-Butyl Ether (MTBE)	14	10	1.6	10.0	
Tert-Butyl Alcohol (TBA)	270	100	31	10.0	
Diisopropyl Ether (DIPE)	ND	20	1.6	10.0	
Ethyl-t-Butyl Ether (ETBE)	ND	20	1.2	10.0	
Tert-Amyl-Methyl Ether (TAME)	ND	20	1.3	10.0	
Ethanol	ND	1000	530	10.0	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 51 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	77-120	
Dibromofluoromethane	96	80-128	
1,2-Dichloroethane-d4	90	80-129	
Toluene-d8	100	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-16-T-190204	**19-02-0330-19-B**	**02/04/19 08:56**	**Aqueous**	**GC/MS Z**	**02/15/19**	**02/16/19 03:36**	**190215L026**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	29	20	10	1.00	
Benzene	16	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	12	20	6.6	1.00	J
n-Butylbenzene	0.74	1.0	0.30	1.00	J
sec-Butylbenzene	0.87	1.0	0.19	1.00	J
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	0.39	1.0	0.14	1.00	J
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	3.4	1.0	0.16	1.00	
p-Isopropyltoluene	0.94	1.0	0.22	1.00	J
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	12	10	5.1	1.00	
n-Propylbenzene	3.9	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	1.3	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	38	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	13	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	48	2.0	0.31	1.00	
o-Xylene	2.6	1.0	0.15	1.00	
Xylenes (total)	50	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.16	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	3.1	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.16	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	ND	100	53	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 54 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	77-120	
Dibromofluoromethane	106	80-128	
1,2-Dichloroethane-d4	101	80-129	
Toluene-d8	100	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUP-1-WD-190204	**19-02-0330-20-B**	**02/04/19 09:06**	**Aqueous**	**GC/MS PP**	**02/16/19**	**02/16/19 20:27**	**190216L021**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	23	20	10	1.00	
Benzene	15	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	7.1	20	6.6	1.00	J
n-Butylbenzene	0.61	1.0	0.30	1.00	J
sec-Butylbenzene	0.90	1.0	0.19	1.00	J
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	0.36	1.0	0.14	1.00	J
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	3.1	1.0	0.16	1.00	
p-Isopropyltoluene	0.88	1.0	0.22	1.00	J
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	10	10	5.1	1.00	
n-Propylbenzene	3.8	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	1.4	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	37	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	13	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	43	2.0	0.31	1.00	
o-Xylene	2.3	1.0	0.15	1.00	
Xylenes (total)	46	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.16	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	3.1	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.16	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	ND	100	53	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 57 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	77-120	
Dibromofluoromethane	99	80-128	
1,2-Dichloroethane-d4	92	80-129	
Toluene-d8	99	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-18D-T-190204	**19-02-0330-21-B**	**02/04/19 08:28**	**Aqueous**	**GC/MS W**	**02/14/19**	**02/15/19 01:14**	**190214L015**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	ND	1.0	0.19	1.00	
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	0.96	1.0	0.16	1.00	J
p-Isopropyltoluene	ND	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	0.30	1.0	0.18	1.00	J
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	ND	2.0	0.31	1.00	
o-Xylene	ND	1.0	0.15	1.00	
Xylenes (total)	ND	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	3.6	1.0	0.16	1.00	
Tert-Butyl Alcohol (TBA)	14	10	3.1	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.16	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	ND	100	53	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 60 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	77-120	
Dibromofluoromethane	97	80-128	
1,2-Dichloroethane-d4	93	80-129	
Toluene-d8	100	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-18-T-190204	**19-02-0330-22-B**	**02/04/19 08:06**	**Aqueous**	**GC/MS W**	**02/14/19**	**02/15/19 01:40**	**190214L015**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	0.22	1.0	0.19	1.00	J
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	0.33	1.0	0.16	1.00	J
p-Isopropyltoluene	ND	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	0.28	1.0	0.18	1.00	J
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	ND	2.0	0.31	1.00	
o-Xylene	ND	1.0	0.15	1.00	
Xylenes (total)	ND	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.16	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	3.1	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.16	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	ND	100	53	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 63 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	77-120	
Dibromofluoromethane	99	80-128	
1,2-Dichloroethane-d4	91	80-129	
Toluene-d8	99	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-2-T-190204	**19-02-0330-23-A**	**02/04/19 13:51**	**Aqueous**	**GC/MS W**	**02/13/19**	**02/14/19 14:14**	**190213L046**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	3.1	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	4.0	1.0	0.30	1.00	
sec-Butylbenzene	6.0	1.0	0.19	1.00	
tert-Butylbenzene	0.52	1.0	0.25	1.00	J
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	0.80	1.0	0.14	1.00	J
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	47	1.0	0.16	1.00	
p-Isopropyltoluene	0.50	1.0	0.22	1.00	J
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	9.0	10	5.1	1.00	J
n-Propylbenzene	48	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	0.34	2.0	0.31	1.00	J
o-Xylene	0.17	1.0	0.15	1.00	J
Xylenes (total)	0.51	1.0	0.15	1.00	JA
Methyl-t-Butyl Ether (MTBE)	1.9	1.0	0.16	1.00	
Tert-Butyl Alcohol (TBA)	15	10	3.1	1.00	
Diisopropyl Ether (DIPE)	0.63	2.0	0.16	1.00	J
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	57	100	53	1.00	J

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 66 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	103	77-120	
Dibromofluoromethane	97	80-128	
1,2-Dichloroethane-d4	91	80-129	
Toluene-d8	100	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-22-T-190205	**19-02-0330-24-A**	**02/05/19 06:47**	**Aqueous**	**GC/MS XX**	**02/14/19**	**02/14/19 23:32**	**190214L020**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	ND	1.0	0.19	1.00	
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	0.19	0.50	0.19	1.00	J
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	ND	1.0	0.16	1.00	
p-Isopropyltoluene	ND	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	ND	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	ND	2.0	0.31	1.00	
o-Xylene	ND	1.0	0.15	1.00	
Xylenes (total)	ND	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.16	1.00	
Tert-Butyl Alcohol (TBA)	3.5	10	3.1	1.00	J
Diisopropyl Ether (DIPE)	ND	2.0	0.16	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	ND	100	53	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 69 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	85	77-120	
Dibromofluoromethane	119	80-128	
1,2-Dichloroethane-d4	124	80-129	
Toluene-d8	98	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-23S-T-190205	**19-02-0330-25-A**	**02/05/19 08:40**	**Aqueous**	**GC/MS XX**	**02/14/19**	**02/14/19 23:57**	**190214L020**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	ND	1.0	0.19	1.00	
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	ND	1.0	0.16	1.00	
p-Isopropyltoluene	ND	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	ND	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	ND	2.0	0.31	1.00	
o-Xylene	ND	1.0	0.15	1.00	
Xylenes (total)	ND	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.16	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	3.1	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.16	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	ND	100	53	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 72 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	85	77-120	
Dibromofluoromethane	123	80-128	
1,2-Dichloroethane-d4	127	80-129	
Toluene-d8	99	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-23M-T-190205	**19-02-0330-26-A**	**02/05/19 08:04**	**Aqueous**	**GC/MS XX**	**02/14/19**	**02/15/19 00:23**	**190214L020**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	ND	1.0	0.19	1.00	
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	ND	1.0	0.16	1.00	
p-Isopropyltoluene	ND	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	ND	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	ND	2.0	0.31	1.00	
o-Xylene	ND	1.0	0.15	1.00	
Xylenes (total)	ND	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.16	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	3.1	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.16	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	ND	100	53	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 75 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	83	77-120	
Dibromofluoromethane	123	80-128	
1,2-Dichloroethane-d4	128	80-129	
Toluene-d8	100	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-23D-T-190205	**19-02-0330-27-A**	**02/05/19 07:28**	**Aqueous**	**GC/MS XX**	**02/14/19**	**02/15/19 00:48**	**190214L020**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	ND	1.0	0.19	1.00	
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	ND	1.0	0.16	1.00	
p-Isopropyltoluene	ND	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	ND	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	ND	2.0	0.31	1.00	
o-Xylene	ND	1.0	0.15	1.00	
Xylenes (total)	ND	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.16	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	3.1	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.16	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	ND	100	53	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 78 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	85	77-120	
Dibromofluoromethane	125	80-128	
1,2-Dichloroethane-d4	130	80-129	2,7
Toluene-d8	99	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-24S-T-190205	**19-02-0330-28-A**	**02/05/19 10:30**	**Aqueous**	**GC/MS XX**	**02/14/19**	**02/15/19 01:13**	**190214L020**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	2.8	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	4.0	1.0	0.30	1.00	
sec-Butylbenzene	1.5	1.0	0.19	1.00	
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	9.6	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	5.1	1.0	0.16	1.00	
p-Isopropyltoluene	0.76	1.0	0.22	1.00	J
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	14	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	0.35	1.0	0.13	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	1.1	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	3.5	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	0.92	2.0	0.31	1.00	J
o-Xylene	0.65	1.0	0.15	1.00	J
Xylenes (total)	1.6	1.0	0.15	1.00	JA
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.16	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	3.1	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.16	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	ND	100	53	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 81 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	77-120	
Dibromofluoromethane	110	80-128	
1,2-Dichloroethane-d4	111	80-129	
Toluene-d8	99	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-24M-T-190205	**19-02-0330-29-A**	**02/05/19 09:53**	**Aqueous**	**GC/MS XX**	**02/14/19**	**02/15/19 01:38**	**190214L020**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	12	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	4.2	1.0	0.30	1.00	
sec-Butylbenzene	2.4	1.0	0.19	1.00	
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	30	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	10	1.0	0.16	1.00	
p-Isopropyltoluene	1.1	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	16	10	5.1	1.00	
n-Propylbenzene	30	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	0.35	1.0	0.13	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	20	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	10	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	3.0	2.0	0.31	1.00	
o-Xylene	1.5	1.0	0.15	1.00	
Xylenes (total)	4.5	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.16	1.00	
Tert-Butyl Alcohol (TBA)	84	10	3.1	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.16	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	ND	100	53	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 84 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	77-120	
Dibromofluoromethane	97	80-128	
1,2-Dichloroethane-d4	97	80-129	
Toluene-d8	103	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-24D-T-190205	**19-02-0330-30-A**	**02/05/19 09:15**	**Aqueous**	**GC/MS XX**	**02/14/19**	**02/15/19 02:04**	**190214L020**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	13	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	0.97	1.0	0.30	1.00	J
sec-Butylbenzene	0.78	1.0	0.19	1.00	J
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	2.4	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	6.1	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	2.9	1.0	0.16	1.00	
p-Isopropyltoluene	0.32	1.0	0.22	1.00	J
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	5.0	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	2.5	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	3.5	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	1.1	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	8.6	2.0	0.31	1.00	
o-Xylene	2.6	1.0	0.15	1.00	
Xylenes (total)	11	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.16	1.00	
Tert-Butyl Alcohol (TBA)	49	10	3.1	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.16	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	ND	100	53	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 87 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	77-120	
Dibromofluoromethane	101	80-128	
1,2-Dichloroethane-d4	103	80-129	
Toluene-d8	98	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-15-T-190205	**19-02-0330-31-A**	**02/05/19 11:03**	**Aqueous**	**GC/MS XX**	**02/14/19**	**02/15/19 03:45**	**190214L020**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	400	200	20.0	
Benzene	1700	20	2.8	20.0	
Bromobenzene	ND	20	3.8	20.0	
Bromochloromethane	ND	40	9.2	20.0	
Bromodichloromethane	ND	20	4.6	20.0	
Bromoform	ND	100	37	20.0	
Bromomethane	ND	1000	390	20.0	
2-Butanone	ND	400	130	20.0	
n-Butylbenzene	11	20	6.0	20.0	J
sec-Butylbenzene	ND	20	3.8	20.0	
tert-Butylbenzene	ND	20	4.9	20.0	
Carbon Disulfide	ND	200	14	20.0	
Carbon Tetrachloride	ND	10	4.6	20.0	
Chlorobenzene	ND	20	3.2	20.0	
Chloroethane	ND	100	15	20.0	
Chloroform	ND	20	3.7	20.0	
Chloromethane	ND	200	10	20.0	
2-Chlorotoluene	ND	20	3.3	20.0	
4-Chlorotoluene	ND	20	3.7	20.0	
Dibromochloromethane	ND	40	9.2	20.0	
1,2-Dibromo-3-Chloropropane	ND	100	41	20.0	
1,2-Dibromoethane	ND	20	5.3	20.0	
Dibromomethane	ND	20	5.9	20.0	
1,2-Dichlorobenzene	ND	20	2.9	20.0	
1,3-Dichlorobenzene	ND	20	3.7	20.0	
1,4-Dichlorobenzene	ND	20	4.7	20.0	
Dichlorodifluoromethane	ND	100	5.7	20.0	
1,1-Dichloroethane	ND	20	5.7	20.0	
1,2-Dichloroethane	ND	10	3.8	20.0	
1,1-Dichloroethene	ND	20	4.5	20.0	
c-1,2-Dichloroethene	ND	20	5.4	20.0	
t-1,2-Dichloroethene	ND	20	8.0	20.0	
1,2-Dichloropropane	ND	20	3.9	20.0	
1,3-Dichloropropane	ND	20	2.7	20.0	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	20	8.8	20.0	
1,1-Dichloropropene	ND	20	3.4	20.0	
c-1,3-Dichloropropene	ND	10	4.1	20.0	
t-1,3-Dichloropropene	ND	10	4.6	20.0	
Ethylbenzene	130	20	2.8	20.0	
2-Hexanone	ND	200	110	20.0	
Isopropylbenzene	18	20	3.2	20.0	J
p-Isopropyltoluene	ND	20	4.3	20.0	
Methylene Chloride	ND	200	80	20.0	
4-Methyl-2-Pentanone	ND	200	9.2	20.0	
Naphthalene	ND	200	100	20.0	
n-Propylbenzene	29	20	3.5	20.0	
Styrene	ND	20	2.9	20.0	
1,1,1,2-Tetrachloroethane	ND	40	8.5	20.0	
1,1,2,2-Tetrachloroethane	ND	200	3.4	20.0	
Tetrachloroethene	ND	20	4.7	20.0	
Toluene	23	20	2.6	20.0	
1,2,3-Trichlorobenzene	ND	20	5.7	20.0	
1,2,4-Trichlorobenzene	ND	20	6.8	20.0	
1,1,1-Trichloroethane	ND	20	6.1	20.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	200	12	20.0	
1,1,2-Trichloroethane	ND	20	4.4	20.0	
Trichloroethene	ND	20	4.7	20.0	
Trichlorofluoromethane	ND	200	5.6	20.0	
1,2,3-Trichloropropane	ND	100	4.4	20.0	
1,2,4-Trimethylbenzene	41	20	4.2	20.0	
1,3,5-Trimethylbenzene	ND	20	3.4	20.0	
Vinyl Acetate	ND	200	57	20.0	
Vinyl Chloride	ND	10	3.2	20.0	
p/m-Xylene	48	40	6.1	20.0	
o-Xylene	10	20	3.1	20.0	J
Xylenes (total)	58	20	3.1	1.00	JA
Methyl-t-Butyl Ether (MTBE)	ND	20	3.2	20.0	
Tert-Butyl Alcohol (TBA)	270	200	62	20.0	
Diisopropyl Ether (DIPE)	ND	40	3.1	20.0	
Ethyl-t-Butyl Ether (ETBE)	ND	40	2.4	20.0	
Tert-Amyl-Methyl Ether (TAME)	ND	40	2.5	20.0	
Ethanol	ND	2000	1100	20.0	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 90 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	90	77-120	
Dibromofluoromethane	109	80-128	
1,2-Dichloroethane-d4	110	80-129	
Toluene-d8	95	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-13-T-190205	**19-02-0330-32-A**	**02/05/19 12:48**	**Aqueous**	**GC/MS XX**	**02/14/19**	**02/15/19 02:29**	**190214L020**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	ND	1.0	0.19	1.00	
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	ND	1.0	0.16	1.00	
p-Isopropyltoluene	ND	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	ND	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	ND	2.0	0.31	1.00	
o-Xylene	ND	1.0	0.15	1.00	
Xylenes (total)	ND	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	0.17	1.0	0.16	1.00	J
Tert-Butyl Alcohol (TBA)	21	10	3.1	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.16	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	ND	100	53	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 93 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	77-120	
Dibromofluoromethane	110	80-128	
1,2-Dichloroethane-d4	113	80-129	
Toluene-d8	97	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-7-T-190205	**19-02-0330-33-A**	**02/05/19 13:28**	**Aqueous**	**GC/MS XX**	**02/14/19**	**02/15/19 02:55**	**190214L020**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	ND	1.0	0.19	1.00	
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	ND	1.0	0.16	1.00	
p-Isopropyltoluene	ND	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	ND	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	ND	2.0	0.31	1.00	
o-Xylene	ND	1.0	0.15	1.00	
Xylenes (total)	ND	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.16	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	3.1	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.16	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	ND	100	53	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 96 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	86	77-120	
Dibromofluoromethane	114	80-128	
1,2-Dichloroethane-d4	115	80-129	
Toluene-d8	97	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-6-T-190205	**19-02-0330-34-A**	**02/05/19 14:06**	**Aqueous**	**GC/MS XX**	**02/14/19**	**02/15/19 03:20**	**190214L020**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	ND	1.0	0.19	1.00	
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	ND	1.0	0.16	1.00	
p-Isopropyltoluene	ND	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	ND	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	ND	2.0	0.31	1.00	
o-Xylene	ND	1.0	0.15	1.00	
Xylenes (total)	ND	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.16	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	3.1	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.16	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	ND	100	53	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 99 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	84	77-120	
Dibromofluoromethane	116	80-128	
1,2-Dichloroethane-d4	120	80-129	
Toluene-d8	98	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-28011**	**N/A**	**Aqueous**	**GC/MS W**	**02/13/19**	**02/13/19 19:22**	**190213L030**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	ND	1.0	0.19	1.00	
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	ND	1.0	0.16	1.00	
p-Isopropyltoluene	ND	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	ND	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	ND	2.0	0.31	1.00	
o-Xylene	ND	1.0	0.15	1.00	
Xylenes (total)	ND	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.16	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	3.1	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.16	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	ND	100	53	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 102 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	77-120	
Dibromofluoromethane	96	80-128	
1,2-Dichloroethane-d4	90	80-129	
Toluene-d8	99	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-28021**	**N/A**	**Aqueous**	**GC/MS W**	**02/13/19**	**02/14/19 07:11**	**190213L046**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	ND	1.0	0.19	1.00	
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	ND	1.0	0.16	1.00	
p-Isopropyltoluene	ND	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	ND	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	ND	2.0	0.31	1.00	
o-Xylene	ND	1.0	0.15	1.00	
Xylenes (total)	ND	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.16	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	3.1	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.16	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	ND	100	53	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 105 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	77-120	
Dibromofluoromethane	98	80-128	
1,2-Dichloroethane-d4	91	80-129	
Toluene-d8	99	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-28027**	**N/A**	**Aqueous**	**GC/MS W**	**02/14/19**	**02/14/19 20:25**	**190214L015**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	ND	1.0	0.19	1.00	
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	ND	1.0	0.16	1.00	
p-Isopropyltoluene	ND	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	ND	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	ND	2.0	0.31	1.00	
o-Xylene	ND	1.0	0.15	1.00	
Xylenes (total)	ND	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.16	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	3.1	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.16	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	ND	100	53	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 108 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	77-120	
Dibromofluoromethane	97	80-128	
1,2-Dichloroethane-d4	90	80-129	
Toluene-d8	100	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-28028**	**N/A**	**Aqueous**	**GC/MS XX**	**02/14/19**	**02/14/19 23:07**	**190214L020**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	ND	1.0	0.19	1.00	
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	ND	1.0	0.16	1.00	
p-Isopropyltoluene	ND	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	ND	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	ND	2.0	0.31	1.00	
o-Xylene	ND	1.0	0.15	1.00	
Xylenes (total)	ND	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.16	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	3.1	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.16	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	ND	100	53	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 111 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	85	77-120	
Dibromofluoromethane	117	80-128	
1,2-Dichloroethane-d4	121	80-129	
Toluene-d8	98	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-28038**	**N/A**	**Aqueous**	**GC/MS Z**	**02/15/19**	**02/15/19 21:02**	**190215L026**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	ND	1.0	0.19	1.00	
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	ND	1.0	0.16	1.00	
p-Isopropyltoluene	ND	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	ND	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	ND	2.0	0.31	1.00	
o-Xylene	ND	1.0	0.15	1.00	
Xylenes (total)	ND	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.16	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	3.1	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.16	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	ND	100	53	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 114 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	77-120	
Dibromofluoromethane	108	80-128	
1,2-Dichloroethane-d4	105	80-129	
Toluene-d8	99	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-28055**	**N/A**	**Aqueous**	**GC/MS PP**	**02/16/19**	**02/16/19 15:54**	**190216L021**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	ND	1.0	0.19	1.00	
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	ND	1.0	0.16	1.00	
p-Isopropyltoluene	ND	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	ND	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	ND	2.0	0.31	1.00	
o-Xylene	ND	1.0	0.15	1.00	
Xylenes (total)	ND	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.16	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	3.1	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.16	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.12	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.13	1.00	
Ethanol	ND	100	53	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Chevron 306600			Page 117 of 117

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	77-120	
Dibromofluoromethane	104	80-128	
1,2-Dichloroethane-d4	95	80-129	
Toluene-d8	98	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: GC/MS / EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
QA-T-190204	**19-02-0330-1-A**	**02/04/19 07:00**	**Aqueous**	**GC/MS T**	**02/08/19**	**02/08/19 21:28**	**190208L021**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Benzene	ND	0.50	0.14	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
Toluene	ND	1.0	0.24	1.00	
p/m-Xylene	ND	1.0	0.24	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Xylenes (total)	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1.00	
TPPH	ND	50	31	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	106	78-126	
1,2-Dichloroethane-d4	126	75-135	
Toluene-d8	98	80-120	
Toluene-d8-TPPH	101	80-120	
1,4-Bromofluorobenzene	101	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: GC/MS / EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-246-2843**	**N/A**	**Aqueous**	**GC/MS T**	**02/08/19**	**02/08/19 15:09**	**190208L021**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Benzene	ND	0.50	0.14	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
Toluene	ND	1.0	0.24	1.00	
p/m-Xylene	ND	1.0	0.24	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Xylenes (total)	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1.00	
TPPH	ND	50	31	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	103	78-126	
1,2-Dichloroethane-d4	117	75-135	
Toluene-d8	99	80-120	
Toluene-d8-TPPH	100	80-120	
1,4-Bromofluorobenzene	99	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: Chevron 306600			Page 1 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-14D-T-190204	**Sample**	**Aqueous**	**GC 24**	**02/13/19**	**02/14/19 09:34**	**190213S029**
MW-14D-T-190204	**Matrix Spike**	**Aqueous**	**GC 24**	**02/13/19**	**02/14/19 10:10**	**190213S029**
MW-14D-T-190204	**Matrix Spike Duplicate**	**Aqueous**	**GC 24**	**02/13/19**	**02/14/19 10:47**	**190213S029**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	ND	2000	2011	101	2069	103	68-122	3	0-18	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: Chevron 306600			Page 2 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-23D-T-190205	**Sample**	**Aqueous**	**GC 25**	**02/14/19**	**02/14/19 20:56**	**190214S014**
MW-23D-T-190205	**Matrix Spike**	**Aqueous**	**GC 25**	**02/14/19**	**02/14/19 21:29**	**190214S014**
MW-23D-T-190205	**Matrix Spike Duplicate**	**Aqueous**	**GC 25**	**02/14/19**	**02/14/19 22:02**	**190214S014**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	ND	2000	2107	105	2119	106	68-122	1	0-18	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: Chevron 306600			Page 3 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-22-T-190205	**Sample**	**Aqueous**	**GC 42**	**02/14/19**	**02/15/19 02:12**	**190214S013**
MW-22-T-190205	**Matrix Spike**	**Aqueous**	**GC 42**	**02/14/19**	**02/15/19 09:46**	**190214S013**
MW-22-T-190205	**Matrix Spike Duplicate**	**Aqueous**	**GC 42**	**02/14/19**	**02/15/19 10:21**	**190214S013**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	ND	2000	1835	92	1856	93	68-122	1	0-18	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: Chevron 306600			Page 4 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
DUP-1-WD-190204	**Sample**	**Aqueous**	**GC 42**	**02/15/19**	**02/15/19 17:57**	**190215S011**
DUP-1-WD-190204	**Matrix Spike**	**Aqueous**	**GC 42**	**02/15/19**	**02/15/19 18:31**	**190215S011**
DUP-1-WD-190204	**Matrix Spike Duplicate**	**Aqueous**	**GC 42**	**02/15/19**	**02/15/19 19:06**	**190215S011**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	1414	2000	3016	80	3175	88	68-122	5	0-18	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: Chevron 306600			Page 5 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-14D-T-190204	**Sample**	**Aqueous**	**GC 24**	**02/13/19**	**02/14/19 09:34**	**190213S028**
MW-14D-T-190204	**Matrix Spike**	**Aqueous**	**GC 24**	**02/13/19**	**02/14/19 10:10**	**190213S028**
MW-14D-T-190204	**Matrix Spike Duplicate**	**Aqueous**	**GC 24**	**02/13/19**	**02/14/19 10:47**	**190213S028**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
GRO (C4-C12) Total	ND	2000	2011	101	2065	103	68-122	3	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: Chevron 306600			Page 6 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-23D-T-190205	**Sample**	**Aqueous**	**GC 25**	**02/14/19**	**02/14/19 20:56**	**190214S016**
MW-23D-T-190205	**Matrix Spike**	**Aqueous**	**GC 25**	**02/14/19**	**02/14/19 21:29**	**190214S016**
MW-23D-T-190205	**Matrix Spike Duplicate**	**Aqueous**	**GC 25**	**02/14/19**	**02/14/19 22:02**	**190214S016**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
GRO (C4-C12) Total	ND	2000	2099	105	2114	106	68-122	1	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: Chevron 306600			Page 7 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-22-T-190205	**Sample**	**Aqueous**	**GC 42**	**02/14/19**	**02/15/19 02:12**	**190214S015**
MW-22-T-190205	**Matrix Spike**	**Aqueous**	**GC 42**	**02/14/19**	**02/15/19 09:46**	**190214S015**
MW-22-T-190205	**Matrix Spike Duplicate**	**Aqueous**	**GC 42**	**02/14/19**	**02/15/19 10:21**	**190214S015**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
GRO (C4-C12) Total	ND	2000	1835	92	1856	93	68-122	1	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: Chevron 306600			Page 8 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
DUP-1-WD-190204	**Sample**	**Aqueous**	**GC 42**	**02/15/19**	**02/15/19 17:57**	**190215S012**
DUP-1-WD-190204	**Matrix Spike**	**Aqueous**	**GC 42**	**02/15/19**	**02/15/19 18:31**	**190215S012**
DUP-1-WD-190204	**Matrix Spike Duplicate**	**Aqueous**	**GC 42**	**02/15/19**	**02/15/19 19:06**	**190215S012**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
GRO (C4-C12) Total	1413	2000	3015	80	3175	88	68-122	5	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
19-02-0522-1	**Sample**	**Aqueous**	**GC/MS W**	**02/13/19**	**02/13/19 19:48**	**190213S011**
19-02-0522-1	**Matrix Spike**	**Aqueous**	**GC/MS W**	**02/13/19**	**02/13/19 20:14**	**190213S011**
19-02-0522-1	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS W**	**02/13/19**	**02/13/19 20:40**	**190213S011**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Acetone	ND	50.00	43.39	87	45.44	91	34-166	5	0-33	
Benzene	ND	50.00	44.41	89	48.16	96	75-125	8	0-20	
Bromobenzene	ND	50.00	46.28	93	49.36	99	75-125	6	0-20	
Bromochloromethane	ND	50.00	47.23	94	49.13	98	75-125	4	0-20	
Bromodichloromethane	ND	50.00	45.36	91	48.42	97	75-134	7	0-20	
Bromoform	ND	50.00	46.39	93	47.76	96	74-134	3	0-20	
Bromomethane	ND	50.00	37.76	76	39.83	80	20-168	5	0-40	
2-Butanone	ND	50.00	46.87	94	46.62	93	37-157	1	0-20	
n-Butylbenzene	ND	50.00	42.61	85	48.08	96	73-145	12	0-20	
sec-Butylbenzene	ND	50.00	43.01	86	48.35	97	75-135	12	0-20	
tert-Butylbenzene	ND	50.00	43.65	87	48.63	97	75-136	11	0-20	
Carbon Disulfide	ND	50.00	46.47	93	50.84	102	50-152	9	0-27	
Carbon Tetrachloride	ND	50.00	40.75	81	45.40	91	70-154	11	0-20	
Chlorobenzene	ND	50.00	45.63	91	49.55	99	75-125	8	0-20	
Chloroethane	ND	50.00	46.23	92	42.32	85	41-167	9	0-26	
Chloroform	ND	50.00	43.74	87	46.85	94	75-127	7	0-20	
Chloromethane	ND	50.00	46.95	94	48.79	98	41-149	4	0-20	
2-Chlorotoluene	ND	50.00	44.46	89	49.26	99	75-128	10	0-20	
4-Chlorotoluene	ND	50.00	45.09	90	49.12	98	75-125	9	0-20	
Dibromochloromethane	ND	50.00	46.65	93	48.90	98	75-131	5	0-20	
1,2-Dibromo-3-Chloropropane	ND	50.00	42.84	86	45.49	91	64-142	6	0-20	
1,2-Dibromoethane	ND	50.00	48.41	97	49.75	100	75-129	3	0-20	
Dibromomethane	ND	50.00	47.48	95	49.24	98	75-125	4	0-20	
1,2-Dichlorobenzene	ND	50.00	46.61	93	50.06	100	75-125	7	0-20	
1,3-Dichlorobenzene	ND	50.00	45.38	91	49.65	99	75-125	9	0-20	
1,4-Dichlorobenzene	ND	50.00	45.55	91	49.59	99	75-125	8	0-20	
Dichlorodifluoromethane	ND	50.00	54.26	109	54.14	108	25-157	0	0-26	
1,1-Dichloroethane	ND	50.00	40.70	81	43.81	88	73-139	7	0-20	
1,2-Dichloroethane	ND	50.00	43.27	87	45.48	91	75-125	5	0-20	
1,1-Dichloroethene	ND	50.00	44.95	90	49.41	99	61-145	9	0-20	
c-1,2-Dichloroethene	ND	50.00	47.46	95	50.80	102	75-125	7	0-20	
t-1,2-Dichloroethene	ND	50.00	45.37	91	49.88	100	64-142	9	0-20	
1,2-Dichloropropane	ND	50.00	47.68	95	50.25	101	75-127	5	0-20	
1,3-Dichloropropane	ND	50.00	48.35	97	50.10	100	75-125	4	0-20	
2,2-Dichloropropane	ND	50.00	46.13	92	49.89	100	24-180	8	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,1-Dichloropropene	ND	50.00	45.70	91	50.76	102	75-135	11	0-20	
c-1,3-Dichloropropene	ND	50.00	49.48	99	51.32	103	75-137	4	0-20	
t-1,3-Dichloropropene	ND	50.00	47.16	94	49.26	99	74-146	4	0-20	
Ethylbenzene	ND	50.00	45.02	90	49.92	100	75-129	10	0-20	
2-Hexanone	ND	50.00	45.82	92	47.68	95	47-161	4	0-20	
Isopropylbenzene	ND	50.00	45.44	91	50.93	102	75-135	11	0-20	
p-Isopropyltoluene	ND	50.00	43.85	88	49.69	99	75-136	12	0-20	
Methylene Chloride	ND	50.00	46.93	94	50.33	101	63-141	7	0-20	
4-Methyl-2-Pentanone	ND	50.00	49.72	99	50.33	101	66-138	1	0-20	
Naphthalene	ND	50.00	38.60	77	46.36	93	59-143	18	0-20	
n-Propylbenzene	ND	50.00	43.78	88	48.81	98	75-133	11	0-20	
Styrene	ND	50.00	48.43	97	52.82	106	70-142	9	0-28	
1,1,1,2-Tetrachloroethane	ND	50.00	46.38	93	49.67	99	75-139	7	0-20	
1,1,2,2-Tetrachloroethane	ND	50.00	47.15	94	48.48	97	61-145	3	0-20	
Tetrachloroethene	ND	50.00	37.58	75	41.87	84	47-143	11	0-20	
Toluene	ND	50.00	45.51	91	49.85	100	75-125	9	0-20	
1,2,3-Trichlorobenzene	ND	50.00	32.24	64	41.05	82	73-133	24	0-20	3,4
1,2,4-Trichlorobenzene	ND	50.00	38.51	77	45.43	91	71-137	16	0-20	
1,1,1-Trichloroethane	ND	50.00	42.34	85	47.52	95	75-136	12	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50.00	42.97	86	46.32	93	42-168	7	0-22	
1,1,2-Trichloroethane	ND	50.00	47.21	94	49.47	99	75-125	5	0-20	
Trichloroethene	ND	50.00	44.90	90	49.50	99	67-139	10	0-20	
Trichlorofluoromethane	ND	50.00	50.13	100	44.20	88	59-155	13	0-20	
1,2,3-Trichloropropane	ND	50.00	45.81	92	50.64	101	75-127	10	0-20	
1,2,4-Trimethylbenzene	ND	50.00	46.61	93	51.24	102	75-133	9	0-20	
1,3,5-Trimethylbenzene	ND	50.00	44.70	89	49.72	99	75-135	11	0-20	
Vinyl Acetate	ND	50.00	54.33	109	55.13	110	54-180	1	0-25	
Vinyl Chloride	ND	50.00	53.81	108	54.83	110	51-153	2	0-20	
p/m-Xylene	ND	100.0	91.01	91	100.4	100	75-133	10	0-20	
o-Xylene	ND	50.00	46.42	93	50.57	101	75-134	9	0-20	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	42.74	85	43.82	88	64-136	2	0-20	
Tert-Butyl Alcohol (TBA)	ND	250.0	249.7	100	263.6	105	75-136	5	0-20	
Diisopropyl Ether (DIPE)	ND	50.00	48.43	97	51.17	102	73-139	5	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	45.47	91	47.04	94	69-135	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	50.48	101	52.89	106	69-135	5	0-20	
Ethanol	ND	500.0	422.8	85	490.7	98	29-179	15	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
19-02-0348-1	**Sample**	**Aqueous**	**GC/MS W**	**02/14/19**	**02/14/19 20:51**	**190214S007**
19-02-0348-1	**Matrix Spike**	**Aqueous**	**GC/MS W**	**02/14/19**	**02/14/19 21:17**	**190214S007**
19-02-0348-1	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS W**	**02/14/19**	**02/14/19 21:44**	**190214S007**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Acetone	ND	50.00	38.97	78	42.81	86	34-166	9	0-33	
Benzene	ND	50.00	45.31	91	46.74	93	75-125	3	0-20	
Bromobenzene	ND	50.00	46.31	93	49.12	98	75-125	6	0-20	
Bromochloromethane	ND	50.00	46.63	93	48.03	96	75-125	3	0-20	
Bromodichloromethane	ND	50.00	45.50	91	47.36	95	75-134	4	0-20	
Bromoform	ND	50.00	45.26	91	42.93	86	74-134	5	0-20	
Bromomethane	ND	50.00	38.00	76	36.21	72	20-168	5	0-40	
2-Butanone	ND	50.00	40.60	81	43.56	87	37-157	7	0-20	
n-Butylbenzene	ND	50.00	41.51	83	43.89	88	73-145	6	0-20	
sec-Butylbenzene	ND	50.00	42.67	85	45.25	90	75-135	6	0-20	
tert-Butylbenzene	ND	50.00	43.52	87	45.68	91	75-136	5	0-20	
Carbon Disulfide	ND	50.00	46.83	94	49.22	98	50-152	5	0-27	
Carbon Tetrachloride	ND	50.00	41.03	82	43.70	87	70-154	6	0-20	
Chlorobenzene	ND	50.00	46.53	93	48.98	98	75-125	5	0-20	
Chloroethane	ND	50.00	43.58	87	39.81	80	41-167	9	0-26	
Chloroform	ND	50.00	43.94	88	46.27	93	75-127	5	0-20	
Chloromethane	ND	50.00	46.02	92	42.70	85	41-149	7	0-20	
2-Chlorotoluene	ND	50.00	45.41	91	48.68	97	75-128	7	0-20	
4-Chlorotoluene	ND	50.00	44.93	90	46.68	93	75-125	4	0-20	
Dibromochloromethane	ND	50.00	46.62	93	47.92	96	75-131	3	0-20	
1,2-Dibromo-3-Chloropropane	ND	50.00	38.34	77	42.15	84	64-142	9	0-20	
1,2-Dibromoethane	ND	50.00	46.86	94	47.71	95	75-129	2	0-20	
Dibromomethane	ND	50.00	47.15	94	48.74	97	75-125	3	0-20	
1,2-Dichlorobenzene	ND	50.00	46.29	93	47.79	96	75-125	3	0-20	
1,3-Dichlorobenzene	ND	50.00	45.58	91	47.47	95	75-125	4	0-20	
1,4-Dichlorobenzene	ND	50.00	45.89	92	47.68	95	75-125	4	0-20	
Dichlorodifluoromethane	ND	50.00	48.16	96	42.96	86	25-157	11	0-26	
1,1-Dichloroethane	ND	50.00	40.88	82	42.85	86	73-139	5	0-20	
1,2-Dichloroethane	ND	50.00	43.27	87	44.12	88	75-125	2	0-20	
1,1-Dichloroethene	ND	50.00	46.18	92	48.10	96	61-145	4	0-20	
c-1,2-Dichloroethene	ND	50.00	47.03	94	49.35	99	75-125	5	0-20	
t-1,2-Dichloroethene	ND	50.00	46.56	93	48.93	98	64-142	5	0-20	
1,2-Dichloropropane	ND	50.00	48.02	96	49.46	99	75-127	3	0-20	
1,3-Dichloropropane	ND	50.00	47.64	95	48.57	97	75-125	2	0-20	
2,2-Dichloropropane	ND	50.00	45.98	92	48.40	97	24-180	5	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,1-Dichloropropene	ND	50.00	46.55	93	48.94	98	75-135	5	0-20	
c-1,3-Dichloropropene	ND	50.00	48.63	97	49.95	100	75-137	3	0-20	
t-1,3-Dichloropropene	ND	50.00	45.58	91	46.58	93	74-146	2	0-20	
Ethylbenzene	ND	50.00	46.26	93	47.52	95	75-129	3	0-20	
2-Hexanone	ND	50.00	41.91	84	42.94	86	47-161	2	0-20	
Isopropylbenzene	ND	50.00	46.45	93	48.32	97	75-135	4	0-20	
p-Isopropyltoluene	ND	50.00	43.68	87	46.13	92	75-136	5	0-20	
Methylene Chloride	ND	50.00	47.19	94	49.54	99	63-141	5	0-20	
4-Methyl-2-Pentanone	ND	50.00	46.10	92	48.35	97	66-138	5	0-20	
Naphthalene	ND	50.00	37.08	74	43.44	87	59-143	16	0-20	
n-Propylbenzene	ND	50.00	44.81	90	47.87	96	75-133	7	0-20	
Styrene	ND	50.00	48.89	98	51.11	102	70-142	4	0-28	
1,1,1,2-Tetrachloroethane	ND	50.00	47.93	96	48.12	96	75-139	0	0-20	
1,1,2,2-Tetrachloroethane	ND	50.00	45.26	91	44.16	88	61-145	2	0-20	
Tetrachloroethene	ND	50.00	39.21	78	41.17	82	47-143	5	0-20	
Toluene	ND	50.00	47.03	94	48.97	98	75-125	4	0-20	
1,2,3-Trichlorobenzene	ND	50.00	33.14	66	38.73	77	73-133	16	0-20	3
1,2,4-Trichlorobenzene	ND	50.00	37.91	76	42.04	84	71-137	10	0-20	
1,1,1-Trichloroethane	ND	50.00	43.38	87	45.49	91	75-136	5	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50.00	43.03	86	45.34	91	42-168	5	0-22	
1,1,2-Trichloroethane	ND	50.00	46.85	94	47.42	95	75-125	1	0-20	
Trichloroethene	ND	50.00	47.05	94	48.90	98	67-139	4	0-20	
Trichlorofluoromethane	ND	50.00	41.30	83	31.70	63	59-155	26	0-20	4
1,2,3-Trichloropropane	ND	50.00	47.15	94	51.05	102	75-127	8	0-20	
1,2,4-Trimethylbenzene	ND	50.00	46.38	93	48.20	96	75-133	4	0-20	
1,3,5-Trimethylbenzene	ND	50.00	45.50	91	49.79	100	75-135	9	0-20	
Vinyl Acetate	ND	50.00	48.66	97	53.07	106	54-180	9	0-25	
Vinyl Chloride	ND	50.00	51.32	103	47.02	94	51-153	9	0-20	
p/m-Xylene	ND	100.0	93.44	93	98.28	98	75-133	5	0-20	
o-Xylene	ND	50.00	47.07	94	49.20	98	75-134	4	0-20	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	40.01	80	41.10	82	64-136	3	0-20	
Tert-Butyl Alcohol (TBA)	ND	250.0	228.0	91	254.0	102	75-136	11	0-20	
Diisopropyl Ether (DIPE)	ND	50.00	46.91	94	48.38	97	73-139	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	42.77	86	44.18	88	69-135	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	48.53	97	50.37	101	69-135	4	0-20	
Ethanol	ND	500.0	384.9	77	469.0	94	29-179	20	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
19-02-0644-1	**Sample**	**Aqueous**	**GC/MS PP**	**02/16/19**	**02/16/19 19:57**	**190216S008**
19-02-0644-1	**Matrix Spike**	**Aqueous**	**GC/MS PP**	**02/16/19**	**02/16/19 22:46**	**190216S008**
19-02-0644-1	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS PP**	**02/16/19**	**02/16/19 23:14**	**190216S008**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	47.84	96	48.54	97	78-120	1	0-20	
Carbon Tetrachloride	ND	50.00	50.39	101	49.84	100	67-139	1	0-20	
Chlorobenzene	ND	50.00	50.76	102	48.45	97	80-120	5	0-20	
1,2-Dibromoethane	ND	50.00	52.31	105	53.74	107	80-123	3	0-20	
1,2-Dichlorobenzene	ND	50.00	51.70	103	42.84	86	76-120	19	0-20	
1,2-Dichloroethane	ND	50.00	55.57	111	55.40	111	76-130	0	0-20	
1,1-Dichloroethene	ND	50.00	46.83	94	49.12	98	70-130	5	0-27	
Ethylbenzene	ND	50.00	50.63	101	46.69	93	73-127	8	0-20	
Toluene	ND	50.00	49.85	100	48.71	97	72-126	2	0-20	
Trichloroethene	ND	50.00	47.55	95	46.41	93	74-122	2	0-20	
Vinyl Chloride	ND	50.00	51.52	103	49.71	99	65-131	4	0-24	
p/m-Xylene	ND	100.0	103.7	104	94.74	95	70-130	9	0-30	
o-Xylene	ND	50.00	48.45	97	45.16	90	70-130	7	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	39.28	79	41.46	83	69-123	5	0-20	
Tert-Butyl Alcohol (TBA)	172.2	250.0	421.6	100	508.2	134	65-131	19	0-22	3
Diisopropyl Ether (DIPE)	ND	50.00	44.88	90	47.92	96	68-128	7	0-22	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	39.82	80	41.40	83	69-123	4	0-21	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	46.18	92	46.77	94	70-124	1	0-20	
Ethanol	ND	500.0	655.9	131	718.4	144	41-155	9	0-35	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: GC/MS / EPA 8260B
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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
19-01-2144-1	**Sample**	**Aqueous**	**GC/MS T**	**02/08/19**	**02/08/19 16:06**	**190208S007**
19-01-2144-1	**Matrix Spike**	**Aqueous**	**GC/MS T**	**02/08/19**	**02/08/19 17:04**	**190208S007**
19-01-2144-1	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS T**	**02/08/19**	**02/08/19 17:32**	**190208S007**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	52.38	105	52.34	105	75-125	0	0-20	
Ethylbenzene	ND	50.00	58.33	117	58.75	118	75-129	1	0-20	
Toluene	ND	50.00	56.11	112	55.19	110	75-125	2	0-20	
p/m-Xylene	ND	100.0	121.3	121	121.2	121	75-133	0	0-20	
o-Xylene	ND	50.00	61.72	123	61.38	123	75-134	1	0-20	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	46.70	93	44.81	90	64-136	4	0-20	
Tert-Butyl Alcohol (TBA)	ND	250.0	301.2	120	314.2	126	75-136	4	0-20	
Diisopropyl Ether (DIPE)	ND	50.00	55.10	110	53.23	106	73-139	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	50.72	101	49.39	99	69-135	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	55.09	110	54.74	109	69-135	1	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-290-129	**LCS**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 13:03**	**190214B02**
099-15-290-129	**LCSD**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 13:22**	**190214B02**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Jet A	2000	1784	89	2057	103	69-123	14	0-30	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-290-130	**LCS**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 21:59**	**190214B04**
099-15-290-130	**LCSD**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 22:19**	**190214B04**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Jet A	2000	2094	105	1834	92	69-123	13	0-30	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510/SG 10
Method: EPA 8015B (M)

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-392-147	**LCS**	**Aqueous**	**GC 46**	**02/14/19**	**02/19/19 19:06**	**190214B01S**
099-15-392-147	**LCSD**	**Aqueous**	**GC 46**	**02/14/19**	**02/19/19 19:27**	**190214B01S**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	2000	1997	100	2118	106	69-123	6	0-30	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510/SG 10
Method: EPA 8015B (M)

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-392-148	**LCS**	**Aqueous**	**GC 46**	**02/14/19**	**02/19/19 20:09**	**190214B02S**
099-15-392-148	**LCSD**	**Aqueous**	**GC 46**	**02/14/19**	**02/19/19 20:31**	**190214B02S**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	2000	2095	105	1942	97	69-123	8	0-30	

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Quality Control - LCS/LCSD

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
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Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-542-392	**LCS**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 12:23**	**190214B01**
099-15-542-392	**LCSD**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 12:42**	**190214B01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	2000	2068	103	2139	107	69-123	3	0-30	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

ARCADIS U.S., Inc.
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Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 3510C
Method: EPA 8015B (M)
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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-542-393	**LCS**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 21:19**	**190214B03**
099-15-542-393	**LCSD**	**Aqueous**	**GC 50**	**02/14/19**	**02/18/19 21:40**	**190214B03**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	2000	2107	105	2128	106	69-123	1	0-30	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
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Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-12537	**LCS**	**Aqueous**	**GC 24**	**02/13/19**	**02/13/19 21:42**	**190213L063**
099-12-436-12537	**LCSD**	**Aqueous**	**GC 24**	**02/13/19**	**02/13/19 22:19**	**190213L063**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	2000	2082	104	2073	104	78-120	0	0-10	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-12536	**LCS**	**Aqueous**	**GC 25**	**02/14/19**	**02/14/19 19:16**	**190214L033**
099-12-436-12536	**LCSD**	**Aqueous**	**GC 25**	**02/14/19**	**02/14/19 19:49**	**190214L033**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	2000	2054	103	2049	102	78-120	0	0-10	

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Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-12535	**LCS**	**Aqueous**	**GC 42**	**02/14/19**	**02/14/19 18:39**	**190214L029**
099-12-436-12535	**LCSD**	**Aqueous**	**GC 42**	**02/14/19**	**02/14/19 19:14**	**190214L029**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	2000	1840	92	1851	93	78-120	1	0-10	

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Project: Chevron 306600

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Method: EPA 8015B (M)
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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-12538	**LCS**	**Aqueous**	**GC 42**	**02/15/19**	**02/15/19 15:49**	**190215L032**
099-12-436-12538	**LCSD**	**Aqueous**	**GC 42**	**02/15/19**	**02/15/19 16:24**	**190215L032**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	2000	1865	93	1837	92	78-120	2	0-10	

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Project: Chevron 306600

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Preparation: EPA 5030C
Method: EPA 8015B (M)
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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-13-047-736	**LCS**	**Aqueous**	**GC 24**	**02/13/19**	**02/13/19 21:42**	**190213L062**
099-13-047-736	**LCSD**	**Aqueous**	**GC 24**	**02/13/19**	**02/13/19 22:19**	**190213L062**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
GRO (C4-C12) Total	2000	2079	104	2071	104	78-120	0	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Project: Chevron 306600

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Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-13-047-735	**LCS**	**Aqueous**	**GC 25**	**02/14/19**	**02/14/19 19:16**	**190214L036**
099-13-047-735	**LCSD**	**Aqueous**	**GC 25**	**02/14/19**	**02/14/19 19:49**	**190214L036**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
GRO (C4-C12) Total	2000	2053	103	2046	102	78-120	0	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-13-047-734	**LCS**	**Aqueous**	**GC 42**	**02/14/19**	**02/14/19 18:39**	**190214L030**
099-13-047-734	**LCSD**	**Aqueous**	**GC 42**	**02/14/19**	**02/14/19 19:14**	**190214L030**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
GRO (C4-C12) Total	2000	1839	92	1850	93	78-120	1	0-25	

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Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8015B (M)
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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-13-047-737	**LCS**	**Aqueous**	**GC 42**	**02/15/19**	**02/15/19 15:49**	**190215L033**
099-13-047-737	**LCSD**	**Aqueous**	**GC 42**	**02/15/19**	**02/15/19 16:24**	**190215L033**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
GRO (C4-C12) Total	2000	1865	93	1836	92	78-120	2	0-25	

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Quality Control - LCS/LCSD

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
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Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-28011	**LCS**	**Aqueous**	**GC/MS W**	**02/13/19**	**02/13/19 17:37**	**190213L030**
099-14-001-28011	**LCSD**	**Aqueous**	**GC/MS W**	**02/13/19**	**02/13/19 18:04**	**190213L030**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	50.00	45.50	91	48.09	96	53-137	39-151	6	0-21	
Benzene	50.00	47.63	95	45.86	92	79-121	72-128	4	0-20	
Bromobenzene	50.00	48.50	97	47.65	95	80-120	73-127	2	0-20	
Bromochloromethane	50.00	47.93	96	48.22	96	80-122	73-129	1	0-20	
Bromodichloromethane	50.00	47.37	95	46.34	93	80-124	73-131	2	0-20	
Bromoform	50.00	46.88	94	47.22	94	73-127	64-136	1	0-20	
Bromomethane	50.00	40.87	82	40.08	80	50-150	33-167	2	0-26	
2-Butanone	50.00	46.05	92	48.79	98	60-126	49-137	6	0-20	
n-Butylbenzene	50.00	47.60	95	45.48	91	72-138	61-149	5	0-20	
sec-Butylbenzene	50.00	47.87	96	45.89	92	77-131	68-140	4	0-20	
tert-Butylbenzene	50.00	47.75	96	46.06	92	80-125	72-132	4	0-20	
Carbon Disulfide	50.00	49.83	100	48.08	96	50-150	33-167	4	0-22	
Carbon Tetrachloride	50.00	43.22	86	42.27	85	65-143	52-156	2	0-20	
Chlorobenzene	50.00	48.66	97	47.78	96	80-120	73-127	2	0-20	
Chloroethane	50.00	45.76	92	40.96	82	62-128	51-139	11	0-20	
Chloroform	50.00	46.20	92	45.49	91	80-120	73-127	2	0-20	
Chloromethane	50.00	45.47	91	43.75	88	43-133	28-148	4	0-20	
2-Chlorotoluene	50.00	48.47	97	47.13	94	80-121	73-128	3	0-20	
4-Chlorotoluene	50.00	49.27	99	47.57	95	80-120	73-127	3	0-20	
Dibromochloromethane	50.00	47.86	96	47.99	96	80-123	73-130	0	0-20	
1,2-Dibromo-3-Chloropropane	50.00	44.84	90	45.74	91	66-126	56-136	2	0-20	
1,2-Dibromoethane	50.00	48.88	98	49.53	99	80-120	73-127	1	0-20	
Dibromomethane	50.00	48.56	97	48.30	97	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	50.00	49.25	98	48.80	98	80-120	73-127	1	0-20	
1,3-Dichlorobenzene	50.00	49.50	99	48.12	96	80-120	73-127	3	0-20	
1,4-Dichlorobenzene	50.00	49.90	100	48.23	96	80-120	73-127	3	0-20	
Dichlorodifluoromethane	50.00	51.17	102	48.90	98	50-150	33-167	5	0-30	
1,1-Dichloroethane	50.00	43.21	86	42.50	85	72-126	63-135	2	0-20	
1,2-Dichloroethane	50.00	44.76	90	44.32	89	76-120	69-127	1	0-20	
1,1-Dichloroethene	50.00	49.40	99	46.89	94	66-132	55-143	5	0-20	
c-1,2-Dichloroethene	50.00	50.28	101	49.29	99	78-120	71-127	2	0-20	
t-1,2-Dichloroethene	50.00	48.49	97	47.61	95	66-132	55-143	2	0-20	
1,2-Dichloropropane	50.00	50.20	100	48.99	98	80-120	73-127	2	0-20	
1,3-Dichloropropane	50.00	49.10	98	49.25	99	80-120	73-127	0	0-20	
2,2-Dichloropropane	50.00	49.40	99	46.71	93	50-150	33-167	6	0-20	
1,1-Dichloropropene	50.00	49.26	99	47.75	95	75-123	67-131	3	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
c-1,3-Dichloropropene	50.00	51.85	104	50.45	101	77-131	68-140	3	0-20	
t-1,3-Dichloropropene	50.00	48.45	97	47.74	95	76-136	66-146	1	0-20	
Ethylbenzene	50.00	49.11	98	47.59	95	80-120	73-127	3	0-20	
2-Hexanone	50.00	47.16	94	47.66	95	63-123	53-133	1	0-20	
Isopropylbenzene	50.00	49.76	100	48.43	97	80-128	72-136	3	0-20	
p-Isopropyltoluene	50.00	48.80	98	47.05	94	73-133	63-143	4	0-20	
Methylene Chloride	50.00	48.62	97	48.85	98	61-133	49-145	0	0-27	
4-Methyl-2-Pentanone	50.00	50.29	101	51.12	102	65-125	55-135	2	0-20	
Naphthalene	50.00	45.15	90	48.61	97	69-129	59-139	7	0-20	
n-Propylbenzene	50.00	48.36	97	46.77	94	80-128	72-136	3	0-20	
Styrene	50.00	51.84	104	50.93	102	80-126	72-134	2	0-20	
1,1,1,2-Tetrachloroethane	50.00	48.56	97	47.94	96	80-129	72-137	1	0-20	
1,1,2,2-Tetrachloroethane	50.00	46.86	94	47.34	95	74-122	66-130	1	0-20	
Tetrachloroethene	50.00	47.84	96	50.15	100	55-139	41-153	5	0-23	
Toluene	50.00	49.58	99	47.82	96	80-120	73-127	4	0-20	
1,2,3-Trichlorobenzene	50.00	40.83	82	43.38	87	72-132	62-142	6	0-20	
1,2,4-Trichlorobenzene	50.00	45.22	90	46.86	94	74-134	64-144	4	0-20	
1,1,1-Trichloroethane	50.00	45.89	92	44.72	89	76-124	68-132	3	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	44.84	90	43.07	86	54-150	38-166	4	0-30	
1,1,2-Trichloroethane	50.00	48.22	96	48.18	96	80-120	73-127	0	0-20	
Trichloroethene	50.00	49.37	99	47.37	95	79-121	72-128	4	0-20	
Trichlorofluoromethane	50.00	40.85	82	38.35	77	72-132	62-142	6	0-20	
1,2,3-Trichloropropane	50.00	49.14	98	47.47	95	75-123	67-131	3	0-20	
1,2,4-Trimethylbenzene	50.00	51.07	102	49.01	98	74-128	65-137	4	0-20	
1,3,5-Trimethylbenzene	50.00	49.39	99	47.73	95	77-131	68-140	3	0-20	
Vinyl Acetate	50.00	53.94	108	52.20	104	50-150	33-167	3	0-20	
Vinyl Chloride	50.00	51.55	103	48.73	97	63-129	52-140	6	0-20	
p/m-Xylene	100.0	98.67	99	96.55	97	80-122	73-129	2	0-20	
o-Xylene	50.00	50.19	100	49.01	98	80-128	72-136	2	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	42.98	86	43.16	86	69-123	60-132	0	0-20	
Tert-Butyl Alcohol (TBA)	250.0	263.3	105	261.8	105	80-124	73-131	1	0-20	
Diisopropyl Ether (DIPE)	50.00	50.35	101	49.53	99	79-121	72-128	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	46.64	93	46.15	92	71-125	62-134	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	51.56	103	51.51	103	70-124	61-133	0	0-20	
Ethanol	500.0	526.1	105	463.2	93	53-149	37-165	13	0-24	

Total number of LCS compounds: 71
Total number of ME compounds: 0

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

ARCADIS U.S., Inc.	Date Received:	02/05/19
111 SW Columbia Street, Suite 670	Work Order:	19-02-0330
Portland, OR 97201-5872	Preparation:	EPA 5030C
	Method:	EPA 8260B
Project: Chevron 306600		Page 17 of 33

Total number of ME compounds allowed: 4
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-28021	**LCS**	**Aqueous**	**GC/MS W**	**02/13/19**	**02/14/19 05:26**	**190213L046**
099-14-001-28021	**LCSD**	**Aqueous**	**GC/MS W**	**02/13/19**	**02/14/19 05:52**	**190213L046**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	50.00	49.58	99	48.52	97	53-137	39-151	2	0-21	
Benzene	50.00	45.51	91	47.92	96	79-121	72-128	5	0-20	
Bromobenzene	50.00	47.62	95	49.24	98	80-120	73-127	3	0-20	
Bromochloromethane	50.00	47.72	95	49.32	99	80-122	73-129	3	0-20	
Bromodichloromethane	50.00	46.55	93	48.17	96	80-124	73-131	3	0-20	
Bromoform	50.00	47.30	95	48.04	96	73-127	64-136	2	0-20	
Bromomethane	50.00	39.09	78	40.46	81	50-150	33-167	3	0-26	
2-Butanone	50.00	45.84	92	48.18	96	60-126	49-137	5	0-20	
n-Butylbenzene	50.00	42.59	85	45.20	90	72-138	61-149	6	0-20	
sec-Butylbenzene	50.00	43.91	88	46.66	93	77-131	68-140	6	0-20	
tert-Butylbenzene	50.00	41.87	84	44.12	88	80-125	72-132	5	0-20	
Carbon Disulfide	50.00	46.01	92	49.48	99	50-150	33-167	7	0-22	
Carbon Tetrachloride	50.00	40.58	81	43.32	87	65-143	52-156	7	0-20	
Chlorobenzene	50.00	47.09	94	49.43	99	80-120	73-127	5	0-20	
Chloroethane	50.00	38.79	78	42.02	84	62-128	51-139	8	0-20	
Chloroform	50.00	44.87	90	47.32	95	80-120	73-127	5	0-20	
Chloromethane	50.00	42.37	85	45.97	92	43-133	28-148	8	0-20	
2-Chlorotoluene	50.00	46.38	93	49.32	99	80-121	73-128	6	0-20	
4-Chlorotoluene	50.00	46.38	93	49.04	98	80-120	73-127	6	0-20	
Dibromochloromethane	50.00	47.89	96	49.44	99	80-123	73-130	3	0-20	
1,2-Dibromo-3-Chloropropane	50.00	44.59	89	45.28	91	66-126	56-136	2	0-20	
1,2-Dibromoethane	50.00	48.73	97	49.89	100	80-120	73-127	2	0-20	
Dibromomethane	50.00	48.73	97	49.30	99	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	50.00	47.48	95	49.53	99	80-120	73-127	4	0-20	
1,3-Dichlorobenzene	50.00	47.05	94	49.37	99	80-120	73-127	5	0-20	
1,4-Dichlorobenzene	50.00	46.88	94	48.97	98	80-120	73-127	4	0-20	
Dichlorodifluoromethane	50.00	42.07	84	45.12	90	50-150	33-167	7	0-30	
1,1-Dichloroethane	50.00	41.08	82	43.90	88	72-126	63-135	7	0-20	
1,2-Dichloroethane	50.00	44.18	88	45.38	91	76-120	69-127	3	0-20	
1,1-Dichloroethene	50.00	45.46	91	48.08	96	66-132	55-143	6	0-20	
c-1,2-Dichloroethene	50.00	47.77	96	50.49	101	78-120	71-127	6	0-20	
t-1,2-Dichloroethene	50.00	46.50	93	49.61	99	66-132	55-143	6	0-20	
1,2-Dichloropropane	50.00	48.98	98	50.87	102	80-120	73-127	4	0-20	
1,3-Dichloropropane	50.00	48.41	97	49.87	100	80-120	73-127	3	0-20	
2,2-Dichloropropane	50.00	39.08	78	40.53	81	50-150	33-167	4	0-20	
1,1-Dichloropropene	50.00	45.83	92	49.23	98	75-123	67-131	7	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
c-1,3-Dichloropropene	50.00	49.23	98	50.40	101	77-131	68-140	2	0-20	
t-1,3-Dichloropropene	50.00	46.52	93	47.10	94	76-136	66-146	1	0-20	
Ethylbenzene	50.00	46.78	94	49.80	100	80-120	73-127	6	0-20	
2-Hexanone	50.00	47.34	95	48.50	97	63-123	53-133	2	0-20	
Isopropylbenzene	50.00	46.84	94	50.56	101	80-128	72-136	8	0-20	
p-Isopropyltoluene	50.00	44.67	89	47.96	96	73-133	63-143	7	0-20	
Methylene Chloride	50.00	48.49	97	50.35	101	61-133	49-145	4	0-27	
4-Methyl-2-Pentanone	50.00	51.81	104	52.36	105	65-125	55-135	1	0-20	
Naphthalene	50.00	46.23	92	47.62	95	69-129	59-139	3	0-20	
n-Propylbenzene	50.00	45.22	90	48.54	97	80-128	72-136	7	0-20	
Styrene	50.00	50.14	100	53.01	106	80-126	72-134	6	0-20	
1,1,1,2-Tetrachloroethane	50.00	48.01	96	50.46	101	80-129	72-137	5	0-20	
1,1,2,2-Tetrachloroethane	50.00	44.95	90	44.81	90	74-122	66-130	0	0-20	
Tetrachloroethene	50.00	68.71	137	74.76	150	55-139	41-153	8	0-23	ME
Toluene	50.00	47.51	95	49.93	100	80-120	73-127	5	0-20	
1,2,3-Trichlorobenzene	50.00	40.47	81	42.33	85	72-132	62-142	4	0-20	
1,2,4-Trichlorobenzene	50.00	43.67	87	45.42	91	74-134	64-144	4	0-20	
1,1,1-Trichloroethane	50.00	43.64	87	46.56	93	76-124	68-132	6	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	39.96	80	42.59	85	54-150	38-166	6	0-30	
1,1,2-Trichloroethane	50.00	48.44	97	50.28	101	80-120	73-127	4	0-20	
Trichloroethene	50.00	48.65	97	51.84	104	79-121	72-128	6	0-20	
Trichlorofluoromethane	50.00	35.89	72	38.98	78	72-132	62-142	8	0-20	
1,2,3-Trichloropropane	50.00	45.84	92	49.29	99	75-123	67-131	7	0-20	
1,2,4-Trimethylbenzene	50.00	47.95	96	50.30	101	74-128	65-137	5	0-20	
1,3,5-Trimethylbenzene	50.00	46.53	93	49.04	98	77-131	68-140	5	0-20	
Vinyl Acetate	50.00	38.89	78	33.44	67	50-150	33-167	15	0-20	
Vinyl Chloride	50.00	46.65	93	50.13	100	63-129	52-140	7	0-20	
p/m-Xylene	100.0	94.23	94	99.86	100	80-122	73-129	6	0-20	
o-Xylene	50.00	48.01	96	51.12	102	80-128	72-136	6	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	41.96	84	43.31	87	69-123	60-132	3	0-20	
Tert-Butyl Alcohol (TBA)	250.0	261.0	104	264.5	106	80-124	73-131	1	0-20	
Diisopropyl Ether (DIPE)	50.00	48.23	96	49.74	99	79-121	72-128	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	45.09	90	46.13	92	71-125	62-134	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	50.92	102	51.70	103	70-124	61-133	2	0-20	
Ethanol	500.0	434.3	87	441.6	88	53-149	37-165	2	0-24	

Total number of LCS compounds: 71
Total number of ME compounds: 1

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

ARCADIS U.S., Inc.	Date Received:	02/05/19
111 SW Columbia Street, Suite 670	Work Order:	19-02-0330
Portland, OR 97201-5872	Preparation:	EPA 5030C
	Method:	EPA 8260B
Project: Chevron 306600		Page 20 of 33

Total number of ME compounds allowed: 4
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-28027	**LCS**	**Aqueous**	**GC/MS W**	**02/14/19**	**02/14/19 18:40**	**190214L015**
099-14-001-28027	**LCSD**	**Aqueous**	**GC/MS W**	**02/14/19**	**02/14/19 19:06**	**190214L015**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	50.00	45.02	90	45.07	90	53-137	39-151	0	0-21	
Benzene	50.00	47.74	95	45.97	92	79-121	72-128	4	0-20	
Bromobenzene	50.00	49.10	98	48.00	96	80-120	73-127	2	0-20	
Bromochloromethane	50.00	49.12	98	47.55	95	80-122	73-129	3	0-20	
Bromodichloromethane	50.00	47.88	96	46.84	94	80-124	73-131	2	0-20	
Bromoform	50.00	45.95	92	46.53	93	73-127	64-136	1	0-20	
Bromomethane	50.00	40.27	81	39.86	80	50-150	33-167	1	0-26	
2-Butanone	50.00	45.84	92	47.05	94	60-126	49-137	3	0-20	
n-Butylbenzene	50.00	45.31	91	42.67	85	72-138	61-149	6	0-20	
sec-Butylbenzene	50.00	46.51	93	44.07	88	77-131	68-140	5	0-20	
tert-Butylbenzene	50.00	46.45	93	43.44	87	80-125	72-132	7	0-20	
Carbon Disulfide	50.00	49.26	99	46.53	93	50-150	33-167	6	0-22	
Carbon Tetrachloride	50.00	43.15	86	41.14	82	65-143	52-156	5	0-20	
Chlorobenzene	50.00	49.09	98	47.09	94	80-120	73-127	4	0-20	
Chloroethane	50.00	43.93	88	42.68	85	62-128	51-139	3	0-20	
Chloroform	50.00	47.07	94	44.63	89	80-120	73-127	5	0-20	
Chloromethane	50.00	47.42	95	43.71	87	43-133	28-148	8	0-20	
2-Chlorotoluene	50.00	48.64	97	46.67	93	80-121	73-128	4	0-20	
4-Chlorotoluene	50.00	48.51	97	46.09	92	80-120	73-127	5	0-20	
Dibromochloromethane	50.00	47.82	96	47.01	94	80-123	73-130	2	0-20	
1,2-Dibromo-3-Chloropropane	50.00	45.43	91	45.18	90	66-126	56-136	1	0-20	
1,2-Dibromoethane	50.00	49.09	98	49.00	98	80-120	73-127	0	0-20	
Dibromomethane	50.00	49.53	99	49.39	99	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	50.00	49.67	99	48.42	97	80-120	73-127	3	0-20	
1,3-Dichlorobenzene	50.00	49.41	99	47.29	95	80-120	73-127	4	0-20	
1,4-Dichlorobenzene	50.00	49.63	99	47.64	95	80-120	73-127	4	0-20	
Dichlorodifluoromethane	50.00	46.43	93	42.97	86	50-150	33-167	8	0-30	
1,1-Dichloroethane	50.00	43.29	87	41.43	83	72-126	63-135	4	0-20	
1,2-Dichloroethane	50.00	45.42	91	44.60	89	76-120	69-127	2	0-20	
1,1-Dichloroethene	50.00	47.74	95	45.20	90	66-132	55-143	5	0-20	
c-1,2-Dichloroethene	50.00	50.14	100	47.97	96	78-120	71-127	4	0-20	
t-1,2-Dichloroethene	50.00	48.60	97	46.74	93	66-132	55-143	4	0-20	
1,2-Dichloropropane	50.00	50.95	102	49.14	98	80-120	73-127	4	0-20	
1,3-Dichloropropane	50.00	48.88	98	48.55	97	80-120	73-127	1	0-20	
2,2-Dichloropropane	50.00	48.47	97	45.60	91	50-150	33-167	6	0-20	
1,1-Dichloropropene	50.00	49.12	98	46.40	93	75-123	67-131	6	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

ARCADIS U.S., Inc.		Date Received:	02/05/19
111 SW Columbia Street, Suite 670		Work Order:	19-02-0330
Portland, OR 97201-5872		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Chevron 306600			Page 22 of 33

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
c-1,3-Dichloropropene	50.00	51.66	103	49.98	100	77-131	68-140	3	0-20	
t-1,3-Dichloropropene	50.00	48.33	97	47.20	94	76-136	66-146	2	0-20	
Ethylbenzene	50.00	48.89	98	46.99	94	80-120	73-127	4	0-20	
2-Hexanone	50.00	45.89	92	46.62	93	63-123	53-133	2	0-20	
Isopropylbenzene	50.00	49.53	99	47.38	95	80-128	72-136	4	0-20	
p-Isopropyltoluene	50.00	47.89	96	45.25	90	73-133	63-143	6	0-20	
Methylene Chloride	50.00	49.54	99	48.70	97	61-133	49-145	2	0-27	
4-Methyl-2-Pentanone	50.00	49.64	99	50.83	102	65-125	55-135	2	0-20	
Naphthalene	50.00	46.60	93	47.09	94	69-129	59-139	1	0-20	
n-Propylbenzene	50.00	48.33	97	45.64	91	80-128	72-136	6	0-20	
Styrene	50.00	52.16	104	50.52	101	80-126	72-134	3	0-20	
1,1,1,2-Tetrachloroethane	50.00	49.77	100	48.05	96	80-129	72-137	4	0-20	
1,1,2,2-Tetrachloroethane	50.00	47.00	94	47.08	94	74-122	66-130	0	0-20	
Tetrachloroethene	50.00	47.29	95	46.54	93	55-139	41-153	2	0-23	
Toluene	50.00	49.72	99	47.88	96	80-120	73-127	4	0-20	
1,2,3-Trichlorobenzene	50.00	40.49	81	42.32	85	72-132	62-142	4	0-20	
1,2,4-Trichlorobenzene	50.00	45.11	90	44.47	89	74-134	64-144	1	0-20	
1,1,1-Trichloroethane	50.00	45.70	91	43.55	87	76-124	68-132	5	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	43.31	87	41.21	82	54-150	38-166	5	0-30	
1,1,2-Trichloroethane	50.00	48.51	97	48.70	97	80-120	73-127	0	0-20	
Trichloroethene	50.00	49.15	98	47.38	95	79-121	72-128	4	0-20	
Trichlorofluoromethane	50.00	40.32	81	37.93	76	72-132	62-142	6	0-20	
1,2,3-Trichloropropane	50.00	48.84	98	46.00	92	75-123	67-131	6	0-20	
1,2,4-Trimethylbenzene	50.00	49.78	100	47.93	96	74-128	65-137	4	0-20	
1,3,5-Trimethylbenzene	50.00	48.81	98	46.64	93	77-131	68-140	5	0-20	
Vinyl Acetate	50.00	51.89	104	51.92	104	50-150	33-167	0	0-20	
Vinyl Chloride	50.00	51.72	103	48.43	97	63-129	52-140	7	0-20	
p/m-Xylene	100.0	99.28	99	94.65	95	80-122	73-129	5	0-20	
o-Xylene	50.00	50.28	101	48.09	96	80-128	72-136	4	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	42.68	85	42.38	85	69-123	60-132	1	0-20	
Tert-Butyl Alcohol (TBA)	250.0	261.1	104	260.0	104	80-124	73-131	0	0-20	
Diisopropyl Ether (DIPE)	50.00	49.33	99	48.38	97	79-121	72-128	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	45.46	91	44.93	90	71-125	62-134	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	51.14	102	50.90	102	70-124	61-133	0	0-20	
Ethanol	500.0	519.6	104	522.9	105	53-149	37-165	1	0-24	

Total number of LCS compounds: 71
Total number of ME compounds: 0

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

ARCADIS U.S., Inc.	Date Received:	02/05/19
111 SW Columbia Street, Suite 670	Work Order:	19-02-0330
Portland, OR 97201-5872	Preparation:	EPA 5030C
	Method:	EPA 8260B
Project: Chevron 306600		Page 23 of 33

Total number of ME compounds allowed: 4
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-28038	**LCS**	**Aqueous**	**GC/MS Z**	**02/15/19**	**02/15/19 19:01**	**190215L026**
099-14-001-28038	**LCSD**	**Aqueous**	**GC/MS Z**	**02/15/19**	**02/15/19 19:31**	**190215L026**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	50.00	42.26	85	43.83	88	53-137	39-151	4	0-21	
Benzene	50.00	51.23	102	47.81	96	79-121	72-128	7	0-20	
Bromobenzene	50.00	52.55	105	49.75	100	80-120	73-127	5	0-20	
Bromochloromethane	50.00	53.75	107	51.65	103	80-122	73-129	4	0-20	
Bromodichloromethane	50.00	51.70	103	49.39	99	80-124	73-131	5	0-20	
Bromoform	50.00	47.82	96	48.03	96	73-127	64-136	0	0-20	
Bromomethane	50.00	55.47	111	52.33	105	50-150	33-167	6	0-26	
2-Butanone	50.00	44.96	90	45.40	91	60-126	49-137	1	0-20	
n-Butylbenzene	50.00	55.43	111	48.08	96	72-138	61-149	14	0-20	
sec-Butylbenzene	50.00	53.34	107	47.54	95	77-131	68-140	11	0-20	
tert-Butylbenzene	50.00	55.69	111	52.02	104	80-125	72-132	7	0-20	
Carbon Disulfide	50.00	49.20	98	45.33	91	50-150	33-167	8	0-22	
Carbon Tetrachloride	50.00	45.23	90	41.36	83	65-143	52-156	9	0-20	
Chlorobenzene	50.00	52.03	104	48.30	97	80-120	73-127	7	0-20	
Chloroethane	50.00	51.67	103	47.53	95	62-128	51-139	8	0-20	
Chloroform	50.00	51.27	103	49.51	99	80-120	73-127	4	0-20	
Chloromethane	50.00	50.80	102	48.76	98	43-133	28-148	4	0-20	
2-Chlorotoluene	50.00	53.23	106	48.47	97	80-121	73-128	9	0-20	
4-Chlorotoluene	50.00	55.41	111	50.84	102	80-120	73-127	9	0-20	
Dibromochloromethane	50.00	51.38	103	50.03	100	80-123	73-130	3	0-20	
1,2-Dibromo-3-Chloropropane	50.00	46.93	94	47.39	95	66-126	56-136	1	0-20	
1,2-Dibromoethane	50.00	50.94	102	50.01	100	80-120	73-127	2	0-20	
Dibromomethane	50.00	51.76	104	50.78	102	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	50.00	52.85	106	49.74	99	80-120	73-127	6	0-20	
1,3-Dichlorobenzene	50.00	52.89	106	48.65	97	80-120	73-127	8	0-20	
1,4-Dichlorobenzene	50.00	51.77	104	47.92	96	80-120	73-127	8	0-20	
Dichlorodifluoromethane	50.00	42.83	86	37.80	76	50-150	33-167	12	0-30	
1,1-Dichloroethane	50.00	43.92	88	41.64	83	72-126	63-135	5	0-20	
1,2-Dichloroethane	50.00	50.71	101	48.61	97	76-120	69-127	4	0-20	
1,1-Dichloroethene	50.00	50.11	100	45.82	92	66-132	55-143	9	0-20	
c-1,2-Dichloroethene	50.00	51.94	104	49.71	99	78-120	71-127	4	0-20	
t-1,2-Dichloroethene	50.00	49.13	98	45.32	91	66-132	55-143	8	0-20	
1,2-Dichloropropane	50.00	49.11	98	46.46	93	80-120	73-127	6	0-20	
1,3-Dichloropropane	50.00	51.41	103	49.63	99	80-120	73-127	4	0-20	
2,2-Dichloropropane	50.00	42.06	84	39.21	78	50-150	33-167	7	0-20	
1,1-Dichloropropene	50.00	52.02	104	47.08	94	75-123	67-131	10	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
c-1,3-Dichloropropene	50.00	50.32	101	48.46	97	77-131	68-140	4	0-20	
t-1,3-Dichloropropene	50.00	46.68	93	45.17	90	76-136	66-146	3	0-20	
Ethylbenzene	50.00	52.87	106	49.02	98	80-120	73-127	8	0-20	
2-Hexanone	50.00	43.27	87	44.12	88	63-123	53-133	2	0-20	
Isopropylbenzene	50.00	53.00	106	48.46	97	80-128	72-136	9	0-20	
p-Isopropyltoluene	50.00	54.41	109	48.56	97	73-133	63-143	11	0-20	
Methylene Chloride	50.00	49.15	98	48.34	97	61-133	49-145	2	0-27	
4-Methyl-2-Pentanone	50.00	44.71	89	44.72	89	65-125	55-135	0	0-20	
Naphthalene	50.00	48.97	98	47.59	95	69-129	59-139	3	0-20	
n-Propylbenzene	50.00	55.86	112	49.96	100	80-128	72-136	11	0-20	
Styrene	50.00	53.65	107	50.74	101	80-126	72-134	6	0-20	
1,1,1,2-Tetrachloroethane	50.00	50.26	101	47.67	95	80-129	72-137	5	0-20	
1,1,2,2-Tetrachloroethane	50.00	51.05	102	50.44	101	74-122	66-130	1	0-20	
Tetrachloroethene	50.00	36.15	72	33.00	66	55-139	41-153	9	0-23	
Toluene	50.00	51.41	103	47.63	95	80-120	73-127	8	0-20	
1,2,3-Trichlorobenzene	50.00	51.90	104	48.02	96	72-132	62-142	8	0-20	
1,2,4-Trichlorobenzene	50.00	55.87	112	50.24	100	74-134	64-144	11	0-20	
1,1,1-Trichloroethane	50.00	48.84	98	45.72	91	76-124	68-132	7	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	48.95	98	42.44	85	54-150	38-166	14	0-30	
1,1,2-Trichloroethane	50.00	51.50	103	49.92	100	80-120	73-127	3	0-20	
Trichloroethene	50.00	49.96	100	46.52	93	79-121	72-128	7	0-20	
Trichlorofluoromethane	50.00	54.08	108	48.93	98	72-132	62-142	10	0-20	
1,2,3-Trichloropropane	50.00	48.01	96	47.74	95	75-123	67-131	1	0-20	
1,2,4-Trimethylbenzene	50.00	53.69	107	49.36	99	74-128	65-137	8	0-20	
1,3,5-Trimethylbenzene	50.00	53.32	107	48.62	97	77-131	68-140	9	0-20	
Vinyl Acetate	50.00	58.59	117	58.39	117	50-150	33-167	0	0-20	
Vinyl Chloride	50.00	48.02	96	44.73	89	63-129	52-140	7	0-20	
p/m-Xylene	100.0	112.8	113	104.3	104	80-122	73-129	8	0-20	
o-Xylene	50.00	53.19	106	49.70	99	80-128	72-136	7	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	36.84	74	36.34	73	69-123	60-132	1	0-20	
Tert-Butyl Alcohol (TBA)	250.0	254.0	102	249.6	100	80-124	73-131	2	0-20	
Diisopropyl Ether (DIPE)	50.00	48.18	96	46.42	93	79-121	72-128	4	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	37.83	76	37.17	74	71-125	62-134	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	40.54	81	39.71	79	70-124	61-133	2	0-20	
Ethanol	500.0	809.6	162	774.7	155	53-149	37-165	4	0-24	ME

Total number of LCS compounds: 71
Total number of ME compounds: 1

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

ARCADIS U.S., Inc.	Date Received:	02/05/19
111 SW Columbia Street, Suite 670	Work Order:	19-02-0330
Portland, OR 97201-5872	Preparation:	EPA 5030C
	Method:	EPA 8260B
Project: Chevron 306600		Page 26 of 33

Total number of ME compounds allowed: 4
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-28055	**LCS**	**Aqueous**	**GC/MS PP**	**02/16/19**	**02/16/19 14:02**	**190216L021**
099-14-001-28055	**LCSD**	**Aqueous**	**GC/MS PP**	**02/16/19**	**02/16/19 14:30**	**190216L021**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	50.00	35.93	72	39.41	79	53-137	39-151	9	0-21	
Benzene	50.00	47.29	95	48.90	98	79-121	72-128	3	0-20	
Bromobenzene	50.00	54.33	109	55.19	110	80-120	73-127	2	0-20	
Bromochloromethane	50.00	48.18	96	49.85	100	80-122	73-129	3	0-20	
Bromodichloromethane	50.00	50.99	102	53.73	107	80-124	73-131	5	0-20	
Bromoform	50.00	52.32	105	55.90	112	73-127	64-136	7	0-20	
Bromomethane	50.00	35.94	72	39.67	79	50-150	33-167	10	0-26	
2-Butanone	50.00	40.85	82	47.79	96	60-126	49-137	16	0-20	
n-Butylbenzene	50.00	53.47	107	51.59	103	72-138	61-149	4	0-20	
sec-Butylbenzene	50.00	52.70	105	50.77	102	77-131	68-140	4	0-20	
tert-Butylbenzene	50.00	54.92	110	55.84	112	80-125	72-132	2	0-20	
Carbon Disulfide	50.00	49.45	99	49.89	100	50-150	33-167	1	0-22	
Carbon Tetrachloride	50.00	51.60	103	53.04	106	65-143	52-156	3	0-20	
Chlorobenzene	50.00	50.45	101	51.79	104	80-120	73-127	3	0-20	
Chloroethane	50.00	43.86	88	44.92	90	62-128	51-139	2	0-20	
Chloroform	50.00	46.98	94	51.08	102	80-120	73-127	8	0-20	
Chloromethane	50.00	38.46	77	39.81	80	43-133	28-148	3	0-20	
2-Chlorotoluene	50.00	54.39	109	53.56	107	80-121	73-128	2	0-20	
4-Chlorotoluene	50.00	52.22	104	52.18	104	80-120	73-127	0	0-20	
Dibromochloromethane	50.00	52.01	104	55.25	110	80-123	73-130	6	0-20	
1,2-Dibromo-3-Chloropropane	50.00	45.80	92	52.08	104	66-126	56-136	13	0-20	
1,2-Dibromoethane	50.00	50.36	101	52.79	106	80-120	73-127	5	0-20	
Dibromomethane	50.00	48.85	98	51.38	103	80-120	73-127	5	0-20	
1,2-Dichlorobenzene	50.00	53.22	106	53.48	107	80-120	73-127	0	0-20	
1,3-Dichlorobenzene	50.00	54.05	108	52.96	106	80-120	73-127	2	0-20	
1,4-Dichlorobenzene	50.00	53.25	107	51.81	104	80-120	73-127	3	0-20	
Dichlorodifluoromethane	50.00	56.77	114	55.11	110	50-150	33-167	3	0-30	
1,1-Dichloroethane	50.00	41.49	83	44.82	90	72-126	63-135	8	0-20	
1,2-Dichloroethane	50.00	52.06	104	53.71	107	76-120	69-127	3	0-20	
1,1-Dichloroethene	50.00	47.53	95	49.01	98	66-132	55-143	3	0-20	
c-1,2-Dichloroethene	50.00	47.68	95	50.10	100	78-120	71-127	5	0-20	
t-1,2-Dichloroethene	50.00	44.81	90	48.04	96	66-132	55-143	7	0-20	
1,2-Dichloropropane	50.00	46.43	93	49.72	99	80-120	73-127	7	0-20	
1,3-Dichloropropane	50.00	49.06	98	52.03	104	80-120	73-127	6	0-20	
2,2-Dichloropropane	50.00	54.83	110	54.39	109	50-150	33-167	1	0-20	
1,1-Dichloropropene	50.00	47.54	95	49.63	99	75-123	67-131	4	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B

Project: Chevron 306600

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
c-1,3-Dichloropropene	50.00	52.16	104	53.87	108	77-131	68-140	3	0-20	
t-1,3-Dichloropropene	50.00	48.05	96	48.31	97	76-136	66-146	1	0-20	
Ethylbenzene	50.00	51.92	104	52.64	105	80-120	73-127	1	0-20	
2-Hexanone	50.00	43.25	86	49.60	99	63-123	53-133	14	0-20	
Isopropylbenzene	50.00	53.33	107	52.88	106	80-128	72-136	1	0-20	
p-Isopropyltoluene	50.00	53.63	107	52.49	105	73-133	63-143	2	0-20	
Methylene Chloride	50.00	46.67	93	48.22	96	61-133	49-145	3	0-27	
4-Methyl-2-Pentanone	50.00	44.43	89	48.82	98	65-125	55-135	9	0-20	
Naphthalene	50.00	45.41	91	48.52	97	69-129	59-139	7	0-20	
n-Propylbenzene	50.00	53.41	107	52.15	104	80-128	72-136	2	0-20	
Styrene	50.00	51.94	104	53.19	106	80-126	72-134	2	0-20	
1,1,1,2-Tetrachloroethane	50.00	53.08	106	54.78	110	80-129	72-137	3	0-20	
1,1,2,2-Tetrachloroethane	50.00	48.78	98	52.34	105	74-122	66-130	7	0-20	
Tetrachloroethene	50.00	32.55	65	32.09	64	55-139	41-153	1	0-23	
Toluene	50.00	51.47	103	51.16	102	80-120	73-127	1	0-20	
1,2,3-Trichlorobenzene	50.00	52.89	106	53.26	107	72-132	62-142	1	0-20	
1,2,4-Trichlorobenzene	50.00	53.28	107	51.55	103	74-134	64-144	3	0-20	
1,1,1-Trichloroethane	50.00	48.06	96	50.69	101	76-124	68-132	5	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	52.36	105	53.13	106	54-150	38-166	1	0-30	
1,1,2-Trichloroethane	50.00	49.84	100	52.60	105	80-120	73-127	5	0-20	
Trichloroethene	50.00	47.24	94	49.45	99	79-121	72-128	5	0-20	
Trichlorofluoromethane	50.00	55.48	111	56.31	113	72-132	62-142	1	0-20	
1,2,3-Trichloropropane	50.00	51.69	103	53.32	107	75-123	67-131	3	0-20	
1,2,4-Trimethylbenzene	50.00	51.57	103	52.14	104	74-128	65-137	1	0-20	
1,3,5-Trimethylbenzene	50.00	52.99	106	52.25	104	77-131	68-140	1	0-20	
Vinyl Acetate	50.00	65.33	131	71.67	143	50-150	33-167	9	0-20	
Vinyl Chloride	50.00	48.71	97	48.93	98	63-129	52-140	0	0-20	
p/m-Xylene	100.0	106.5	107	106.8	107	80-122	73-129	0	0-20	
o-Xylene	50.00	50.19	100	50.89	102	80-128	72-136	1	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	37.96	76	40.74	81	69-123	60-132	7	0-20	
Tert-Butyl Alcohol (TBA)	250.0	258.4	103	249.5	100	80-124	73-131	3	0-20	
Diisopropyl Ether (DIPE)	50.00	46.23	92	47.41	95	79-121	72-128	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	40.42	81	42.29	85	71-125	62-134	5	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	46.75	94	48.97	98	70-124	61-133	5	0-20	
Ethanol	500.0	669.7	134	621.1	124	53-149	37-165	8	0-24	

Total number of LCS compounds: 71
Total number of ME compounds: 0

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

ARCADIS U.S., Inc.	Date Received:	02/05/19
111 SW Columbia Street, Suite 670	Work Order:	19-02-0330
Portland, OR 97201-5872	Preparation:	EPA 5030C
	Method:	EPA 8260B
Project: Chevron 306600		Page 29 of 33

Total number of ME compounds allowed: 4
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-28028	**LCS**	**Aqueous**	**GC/MS XX**	**02/14/19**	**02/14/19 21:26**	**190214L020**
099-14-001-28028	**LCSD**	**Aqueous**	**GC/MS XX**	**02/14/19**	**02/14/19 21:51**	**190214L020**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	50.00	51.86	104	51.87	104	53-137	39-151	0	0-21	
Benzene	50.00	50.55	101	49.81	100	79-121	72-128	1	0-20	
Bromobenzene	50.00	55.45	111	54.47	109	80-120	73-127	2	0-20	
Bromochloromethane	50.00	52.43	105	51.52	103	80-122	73-129	2	0-20	
Bromodichloromethane	50.00	53.62	107	53.03	106	80-124	73-131	1	0-20	
Bromoform	50.00	50.88	102	50.58	101	73-127	64-136	1	0-20	
Bromomethane	50.00	63.69	127	63.12	126	50-150	33-167	1	0-26	
2-Butanone	50.00	41.97	84	41.99	84	60-126	49-137	0	0-20	
n-Butylbenzene	50.00	49.76	100	49.17	98	72-138	61-149	1	0-20	
sec-Butylbenzene	50.00	53.44	107	53.21	106	77-131	68-140	0	0-20	
tert-Butylbenzene	50.00	49.88	100	50.36	101	80-125	72-132	1	0-20	
Carbon Disulfide	50.00	48.24	96	46.83	94	50-150	33-167	3	0-22	
Carbon Tetrachloride	50.00	46.33	93	44.97	90	65-143	52-156	3	0-20	
Chlorobenzene	50.00	52.46	105	51.59	103	80-120	73-127	2	0-20	
Chloroethane	50.00	54.96	110	56.14	112	62-128	51-139	2	0-20	
Chloroform	50.00	48.81	98	48.43	97	80-120	73-127	1	0-20	
Chloromethane	50.00	49.20	98	50.95	102	43-133	28-148	4	0-20	
2-Chlorotoluene	50.00	56.12	112	55.35	111	80-121	73-128	1	0-20	
4-Chlorotoluene	50.00	53.09	106	53.44	107	80-120	73-127	1	0-20	
Dibromochloromethane	50.00	54.61	109	53.66	107	80-123	73-130	2	0-20	
1,2-Dibromo-3-Chloropropane	50.00	48.12	96	48.52	97	66-126	56-136	1	0-20	
1,2-Dibromoethane	50.00	52.86	106	51.92	104	80-120	73-127	2	0-20	
Dibromomethane	50.00	52.26	105	52.06	104	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	50.00	52.32	105	52.99	106	80-120	73-127	1	0-20	
1,3-Dichlorobenzene	50.00	50.93	102	51.81	104	80-120	73-127	2	0-20	
1,4-Dichlorobenzene	50.00	49.86	100	50.30	101	80-120	73-127	1	0-20	
Dichlorodifluoromethane	50.00	55.58	111	54.78	110	50-150	33-167	1	0-30	
1,1-Dichloroethane	50.00	41.78	84	41.67	83	72-126	63-135	0	0-20	
1,2-Dichloroethane	50.00	51.30	103	51.17	102	76-120	69-127	0	0-20	
1,1-Dichloroethene	50.00	50.83	102	52.26	105	66-132	55-143	3	0-20	
c-1,2-Dichloroethene	50.00	49.98	100	50.17	100	78-120	71-127	0	0-20	
t-1,2-Dichloroethene	50.00	44.41	89	47.29	95	66-132	55-143	6	0-20	
1,2-Dichloropropane	50.00	50.37	101	50.56	101	80-120	73-127	0	0-20	
1,3-Dichloropropane	50.00	53.02	106	52.21	104	80-120	73-127	2	0-20	
2,2-Dichloropropane	50.00	45.02	90	44.30	89	50-150	33-167	2	0-20	
1,1-Dichloropropene	50.00	46.77	94	46.16	92	75-123	67-131	1	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: EPA 8260B

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
c-1,3-Dichloropropene	50.00	49.27	99	48.68	97	77-131	68-140	1	0-20	
t-1,3-Dichloropropene	50.00	50.43	101	49.73	99	76-136	66-146	1	0-20	
Ethylbenzene	50.00	55.64	111	54.93	110	80-120	73-127	1	0-20	
2-Hexanone	50.00	47.69	95	47.10	94	63-123	53-133	1	0-20	
Isopropylbenzene	50.00	53.73	107	53.41	107	80-128	72-136	1	0-20	
p-Isopropyltoluene	50.00	52.70	105	53.16	106	73-133	63-143	1	0-20	
Methylene Chloride	50.00	53.75	107	51.13	102	61-133	49-145	5	0-27	
4-Methyl-2-Pentanone	50.00	47.67	95	47.68	95	65-125	55-135	0	0-20	
Naphthalene	50.00	48.94	98	50.02	100	69-129	59-139	2	0-20	
n-Propylbenzene	50.00	56.48	113	57.49	115	80-128	72-136	2	0-20	
Styrene	50.00	53.71	107	53.25	107	80-126	72-134	1	0-20	
1,1,1,2-Tetrachloroethane	50.00	55.63	111	54.93	110	80-129	72-137	1	0-20	
1,1,2,2-Tetrachloroethane	50.00	43.53	87	44.19	88	74-122	66-130	1	0-20	
Tetrachloroethene	50.00	72.40	145	69.41	139	55-139	41-153	4	0-23	ME
Toluene	50.00	53.57	107	52.76	106	80-120	73-127	2	0-20	
1,2,3-Trichlorobenzene	50.00	53.37	107	54.30	109	72-132	62-142	2	0-20	
1,2,4-Trichlorobenzene	50.00	46.59	93	48.07	96	74-134	64-144	3	0-20	
1,1,1-Trichloroethane	50.00	47.93	96	47.64	95	76-124	68-132	1	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	49.40	99	49.16	98	54-150	38-166	1	0-30	
1,1,2-Trichloroethane	50.00	54.82	110	53.80	108	80-120	73-127	2	0-20	
Trichloroethene	50.00	54.80	110	53.66	107	79-121	72-128	2	0-20	
Trichlorofluoromethane	50.00	55.97	112	54.60	109	72-132	62-142	2	0-20	
1,2,3-Trichloropropane	50.00	53.68	107	53.05	106	75-123	67-131	1	0-20	
1,2,4-Trimethylbenzene	50.00	50.26	101	50.78	102	74-128	65-137	1	0-20	
1,3,5-Trimethylbenzene	50.00	57.82	116	57.09	114	77-131	68-140	1	0-20	
Vinyl Acetate	50.00	30.71	61	34.03	68	50-150	33-167	10	0-20	
Vinyl Chloride	50.00	54.80	110	54.48	109	63-129	52-140	1	0-20	
p/m-Xylene	100.0	115.7	116	114.0	114	80-122	73-129	1	0-20	
o-Xylene	50.00	53.86	108	53.86	108	80-128	72-136	0	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	38.57	77	40.44	81	69-123	60-132	5	0-20	
Tert-Butyl Alcohol (TBA)	250.0	265.5	106	269.3	108	80-124	73-131	1	0-20	
Diisopropyl Ether (DIPE)	50.00	49.27	99	49.78	100	79-121	72-128	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	42.52	85	43.36	87	71-125	62-134	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	51.02	102	51.39	103	70-124	61-133	1	0-20	
Ethanol	500.0	627.6	126	671.4	134	53-149	37-165	7	0-24	

Total number of LCS compounds: 71
Total number of ME compounds: 1

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

ARCADIS U.S., Inc.	Date Received:	02/05/19
111 SW Columbia Street, Suite 670	Work Order:	19-02-0330
Portland, OR 97201-5872	Preparation:	EPA 5030C
	Method:	EPA 8260B
Project: Chevron 306600		Page 32 of 33

Total number of ME compounds allowed: 4
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

ARCADIS U.S., Inc.
111 SW Columbia Street, Suite 670
Portland, OR 97201-5872

Project: Chevron 306600

Date Received: 02/05/19
Work Order: 19-02-0330
Preparation: EPA 5030C
Method: GC/MS / EPA 8260B
Page 33 of 33

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-246-2843	**LCS**	**Aqueous**	**GC/MS T**	**02/08/19**	**02/08/19 14:12**	**190208L021**
099-14-246-2843	**LCSD**	**Aqueous**	**GC/MS T**	**02/08/19**	**02/08/19 14:40**	**190208L021**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	44.76	90	N/A	N/A	80-120	73-127	N/A	0-20	
Ethylbenzene	50.00	50.51	101	N/A	N/A	80-123	73-130	N/A	0-20	
Toluene	50.00	48.74	97	N/A	N/A	80-120	73-127	N/A	0-20	
p/m-Xylene	100.0	108.1	108	N/A	N/A	75-123	67-131	N/A	0-20	
o-Xylene	50.00	53.96	108	N/A	N/A	74-122	66-130	N/A	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	49.90	100	N/A	N/A	69-129	59-139	N/A	0-20	
Tert-Butyl Alcohol (TBA)	250.0	247.3	99	N/A	N/A	69-129	59-139	N/A	0-20	
Diisopropyl Ether (DIPE)	50.00	48.96	98	N/A	N/A	68-128	58-138	N/A	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	51.82	104	N/A	N/A	63-135	51-147	N/A	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	51.24	102	N/A	N/A	67-133	56-144	N/A	0-20	
TPPH	1000	969.2	97	919.4	92	65-135	53-147	5	0-30	

Total number of LCS compounds: 11
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 19-02-0330 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 8015B (M)	EPA 3510C	1028	GC 50	1
EPA 8015B (M)	EPA 5030C	1161	GC 24	2
EPA 8015B (M)	EPA 5030C	1161	GC 25	2
EPA 8015B (M)	EPA 5030C	1161	GC 42	2
EPA 8015B (M)	EPA 3510/SG 10	972	GC 46	1
EPA 8260B	EPA 5030C	486	GC/MS XX	2
EPA 8260B	EPA 5030C	1178	GC/MS W	2
EPA 8260B	EPA 5030C	1178	GC/MS Z	2
EPA 8260B	EPA 5030C	1178	GC/MS PP	2
GC/MS / EPA 8260B	EPA 5030C	867	GC/MS T	2

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Glossary of Terms and Qualifiers

Work Order: 19-02-0330 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ■ 145 S. State College Boulevard ■ Brea, CA 92822-2292 COC 1 of 4

Chevron Site Number: 306600
Chevron Site Global ID:
Chevron Site Address: 3501 Cerritos Ave,
Los Alamitos, CA
Chevron PM: James P. Kiernan
Chevron PM Phone No.: 925-842-3220
☒ Marketing Business Unit Job
☒ Construction/Retail Job

Charge Code: NWENV-0306600-0-0802

(WBS ELEMENTS:
SITE ASSESSMENT: **A1L** REMEDIATION IMPLEMENTATION: **R5L**
SITE MONITORING: **OML** OPERATION MAINTENANCE & MONITORING: **M1L**

THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETELY.

Calscience Laboratories

19-02-0330

Vikas Patel
7441 Lincoln Way. Garden Grove, CA 92841-1427
714-895-5494
Consultant Project No. 190204-TJT
Sampling Company: Blaine Tech Services
Sampled By (Print): Jordyn Temme
Sampler Signature:

Chevron Consultant: ARCADIS
Address: 111 SW Columbia Street,
Portland, Oregon
Consultant Contact: Jason Almcrantz
Consultant Phone No. 808-522-1930

Temp. Blank Check Time / Temp.

SAMPLE ID								ANALYSES REQUIRED														
Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	# of Containers	Container Type	EPA 8260B/GC/MS Ethanol ☐ EDB / EDC ☐ Full Scan VOC ☐ EPA 8260B/GC/MS TPH-G ☐ BTEX ☐ MTBE ☐ Oxys ☐	EPA 8015B TPH-G ☐ TPH-D ☐ ORO ☐ HC Screen ☐	TPH-D with Silica Gel Clean Up (Special Instructions)	Acetone ☐ Formaldehyde ☐ Total Boron ☐ Chloride ☐	Total Chromium ☐, Hexavalent Chromium ☐	Nitrate ☐, Sulfate ☐ TDS ☐ Bromide ☐	pH ☐ Dissolved Oxygen ☐ Ferrous Iron ☐ Methane ☐	Naphthalene by 8260 ☐	Full Scan, Oxys 8260B ☐	8510 Oxygs by 8015B ☐ TPH-jf by EPA 8015M ☐	EPA 8260B/GC/MS TPH-G C4-C12 ☐ TPH C10-C40 ☐	Notes/Comments
1 QA	T		190204	0700	2	H voa	X															
2 MW-15D	T			1430	8	voa, amber		X							X	X	X					
3 MW-17D	T			1407	8			X							X	X	X					
4 MW-17	T			1330	8			X							X	X	X					
5 MW-14	T			1206	8			X							X	X	X					
6 MW-14D	T			1137	8			X							X	X	X					
7 DUP-2	WD			1216	8			X							X	X	X					
8 RMC-6	T			1105	8			X							X	X	X					
9 MW-21S	T			1028	8			X							X	X	X					
10 MW-19	T			0957	8			X							X	X	X					

Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time
	BTS	2/5/19 1715	Rudy	EC	2/5/19 1715
Rudy	EC	2/5/19 1840		EC	2/5/19 1840
Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time

Turnaround Time:
Standard☐ 24 Hours☐ 48 hours☐ 72 Hours☐
Other☐

Sample Integrity: (Check by lab on arrival)
Intact: ____ On Ice: ____ Temp: ____

COC #

Preservation Codes
H =HCL T= Thiosulfate
N =HNO_3 B = NaOH
S = H_2SO_4 O = Other

Special Instructions
All 8260 analyses must conform to Los Angeles mandated detection limits. TPHd by 8015B Micro Extraction 3511 and M Column SGC

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CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ▪ 145 S. State College Boulevard ▪ Brea, CA 92822-2292 COC 2 of 4

0330

Chevron Site Number: 306600

Chevron Site Global ID:

Chevron Site Address: 3501 Cerritos Ave, Los Alamitos, CA

Chevron PM: James P. Kiernan

Chevron PM Phone No.: 925-842-3220

☒ Marketing Business Unit Job
☒ Construction/Retail Job

Charge Code: NWENV-0306600-0-0802

(WBS ELEMENTS:
SITE ASSESSMENT: **A1L** REMEDIATION IMPLEMENTATION: **R5L**
SITE MONITORING: **OML** OPERATION MAINTENANCE & MONITORING: **M1L**

THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETELY.

Calscience Laboratories

Vikas Patel
7441 Lincoln Way. Garden Grove, CA 92841-1427
714-895-5494

Consultant Project No. 140704. TJ1

Sampling Company: Blaine Tech Services

Sampled By (Print): Jordan Termino

Sampler Signature: [signature]

Chevron Consultant: ARCADIS

Address: 111 SW Columbia Street, Portland, Oregon

Consultant Contact: Jason Almcrantz

Consultant Phone No. 808-522-1930

Temp. Blank Check Time / Temp.

Preservation Codes: H = HCL T = Thiosulfate; N = HNO_3 B = NaOH; S = H_2SO_4 O = Other

Special Instructions: All 8260 analyses must conform to Los Angeles mandated detection limits. TPHd by 8015B Micro Extraction 3511 and M Column SGC

ANALYSES REQUIRED

	Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	# of Containers	Container Type	EPA 8015B (TPH-G)	Full Scan, Oxys 8260D	3510 ORO/GC by 8015D, TPH-jf by EPA 8015	EPA 8260B/GC/MS TPH-G C4-C12, TPH C13-C40	Notes/Comments
11	MW-20	T		190204	0920	8	voa, amber	X	X	X	X	
12	MW-5	T		↓	0839	8	↓	X	X	X	X	
13	MW-1	T			1328	8		X	X	X	X	
14	NEW-1	T			1154	8		X	X	X	X	
15	RMC-5	T			1116	8		X	X	X	X	
16	RMC-7	T			1041	8		X	X	X	X	
17	MW-21D	T			1011	8		X	X	X	X	
18	MW-18D	T			0931	8		X	X	X	X	
19	MW-18	T			0856	8		X	X	X	X	
20	DUP-1	WD			0906	8		X	X	X	X	

Other analyses listed on form (not marked): EPA 8260B/GC/MS ETHANOL ☐ EDB / EDC ☐ FULL SCAN VOC ☐; EPA 8260B/GC/MS TPH-G ☐ BTEX ☐ MTBE ☐ OXYS ☐; TPH-D ☐ ORO ☐ HC SCREEN ☐; TPH-D WITH SILICA GEL CLEAN UP (SPECIAL INSTRUCTIONS); ACETONE ☐ FORMALDEHYDE ☐ TOTAL BORON ☐ CHLORIDE ☐; TOTAL CHROMIUM ☐, HEXAVALENT CHROMIUM ☐; NITRATE ☐, SULFATE ☐ TDS ☐ BROMIDE ☐; PH ☐ DISSOLVED OXYGEN ☐ FERROUS IRON ☐ METHANE ☐; NAPHTHALENE BY 8260 ☐

Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time
[signature]	BTS	2/5/19 1715	[signature]	EC	2/5/19 1715
[signature]	EC	2/5/19 1840	[signature]	EC	2/5/19 1840

Turnaround Time: Standard☐ 24 Hours☐ 48 hours☐ 72 Hours☐ Other☐

Sample Integrity: (Check by lab on arrival) Intact: ____ On Ice: ____ Temp: ____

COC #

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ■ 145 S. State College Boulevard ■ Brea, CA 92822-2292 COC 3 of 4

Chevron Site Number: 306600
Chevron Site Global ID:
Chevron Site Address: 3501 Cerritos Ave,
Los Alamitos, CA
Chevron PM: James P. Kiernan
Chevron PM Phone No.: 925-842-3220
☒ Marketing Business Unit Job
☒ Construction/Retail Job

Charge Code: NWENV-0306600-0-0802

(WBS ELEMENTS:
SITE ASSESSMENT: **A1L** REMEDIATION IMPLEMENTATION: **R5L**
SITE MONITORING: **OML** OPERATION MAINTENANCE & MONITORING: **M1L**

THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETELY.

Calscience Laboratories

Vikas Patel
7441 Lincoln Way. Garden Grove, CA 92841-1427
714-895-5494
Consultant Project No. 140204-TS1
Sampling Company: Blaine Tech Services
Sampled By (Print): Jordan Terukure
Sampler Signature:

Chevron Consultant: ARCADIS
Address: 111 SW Columbia Street,
Portland, Oregon
Consultant Contact: Jason Almcrantz
Consultant Phone No. 808-522-1930

Temp. Blank Check Time / Temp.

8270

ANALYSES REQUIRED

Preservation Codes: H =HCL T= Thiosulfate; N =HNO_3 B = NaOH; S = H_2SO_4 O = Other

Special Instructions: All 8260 analyses must conform to Los Angeles mandated detection limits. TPHd by 8015B Micro Extraction 3511 and M Column SGC

	SAMPLE ID: Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	# of Containers	Container Type	EPA 8260B/GC/MS Ethanol☐ EDB / EDC ☐ Full Scan VOC ☐ EPA 8260B/GC/MS TPH-G ☐ BTEX ☐ MTBE☐ Oxys☐	EPA 8015B TPH-G☐ TPH-D ☐ ORO ☐ HC Screen ☐	TPH-D with Silica Gel Clean Up (Special Instructions)	Acetone ☐ Formaldehyde ☐ Total Boron ☐ Chloride ☐	Total Chromium ☐, Hexavalent Chromium ☐	Nitrate ☐, Sulfate ☐ TDS ☐ Bromide ☐	pH ☐ Dissolved Oxygen ☐ Ferrous Iron ☐ Methane ☐	Naphthalene by 8260 ☐	Full scan, Oxys 8260B	TPH-sf by EPA 8015B Dfo Sgc by 8015B Micro 3510	EPA 8260B/GC/MS TPH-G C4-C12☒ TPH CD-C40 ☒	Notes/Comments
21	MW-18D	T		140204	0828	8	VOA, amber		X						X	X	X	
22	MW-18	T		140204	0806	8			X						X	X	X	
23	MW-2	T		140204	1351	8			X						X	X	X	
24	MW-22			140205	0647	8			X						X	X	X	
25	MW-23S				0840	8			X						X	X	X	
26	MW-23M				0804	8			X						X	X	X	
27	MW-23D				0728	8			X						X	X	X	
28	MW-24S				1030	8			X						X	X	X	
29	MW-24M				0953	8			X						X	X	X	
30	MW-24D				0915	8			X						X	X	X	

Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time
	BTS	2/5/19 ~~1510~~ 1715	Rudy N	GC	2/5/19 1715
Rudy N	GC	2/5/19 1840		GC	2/5/19 1840
Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time

Turnaround Time: Standard☐ 24 Hours☐ 48 hours☐ 72 Hours☐ Other☐

Sample Integrity: (Check by lab on arrival)

Intact: ____ On Ice: ____ Temp: ____

COC #

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CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ■ 145 S. State College Boulevard ■ Brea, CA 92822-2292 COC 4 of 4

0330

Chevron Site Number: 306600
Chevron Site Global ID:
Chevron Site Address: 3501 Cerritos Ave, Los Alamitos, CA
Chevron PM: James P. Kiernan
Chevron PM Phone No.: 925-842-3220

☒ Marketing Business Unit Job
☒ Construction/Retail Job

Charge Code: NWENV-0306600-0-0802

(WBS ELEMENTS:
SITE ASSESSMENT: **A1L** REMEDIATION IMPLEMENTATION: **R5L**
SITE MONITORING: **OML** OPERATION MAINTENANCE & MONITORING: **M1L**

*THIS IS A **LEGAL** DOCUMENT. **ALL** FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETELY.*

Calscience Laboratories

Vikas Patel
7441 Lincoln Way. Garden Grove, CA 92841-1427
714-895-5494

Consultant Project No. 190204-TJ1
Sampling Company: Blaine Tech Services
Sampled By (Print): Jordan Tremaine
Sampler Signature: [signature]

Chevron Consultant: ARCADIS
Address: 111 SW Columbia Street, Portland, Oregon
Consultant Contact: Jason Almcrantz
Consultant Phone No. 808-522-1930

Temp. Blank Check Time / Temp.

ANALYSES REQUIRED

Analysis columns:
1. EPA 8260B/GC/MS ETHANOL☐ EDB / EDC☐ FULL SCAN VOC☐ / EPA 8260B/GC/MS TPH-G☐ BTEX☐ MTBE☐ OXYS☐
2. EPA 8015B TPH-G☐ (crossed out) TPH-D☐ ORO☐ HC SCREEN☐
3. TPH-D WITH SILICA GEL CLEAN UP (SPECIAL INSTRUCTIONS)
4. ACETONE☐ FORMALDEHYDE☐ TOTAL BORON☐ CHLORIDE☐
5. TOTAL CHROMIUM☐, HEXAVALENT CHROMIUM☐
6. NITRATE☐, SULFATE☐ TDS☐ BROMIDE☐
7. PH☐ DISSOLVED OXYGEN☐ FERROUS IRON☐ METHANE☐
8. NAPHTHALENE BY 8260☐
9. Full Scan, Oxys 8260B
10. 3510 Dросle by 8015B ☒ TPH-SF by EPA 8015M
11. EPA 8260B/GC/MS TPH-G C4-C12☒ TPH C13-C40 ☒

Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	# of Containers	Container Type	1	2	3	4	5	6	7	8	9	10	11	Notes/Comments
31 MW-15	T		190205	1103	8	VOA, amber		X							X	X	X	
32 MW-13	T		↓	1248	8	↓		X							X	X	X	
33 MW-7	T		↓	1328	8	↓		X							X	X	X	
34 MW-6	T		↓	1406	8	↓		X							X	X	X	

Preservation Codes: H = HCL T = Thiosulfate; N = HNO_3 B = NaOH; S = H_2SO_4 O = Other

Special Instructions
All 8260 analyses must conform to Los Angeles mandated detection limits. TPHd by 8015B Micro Extraction 3511 and M. Column SGC

Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time
[signature]	BTS	2/5/19 1715 (1540 AM crossed out)	[signature]	EC	2/5/19 1715
[signature]	EC	2/5/19 1840	[signature]	EC	2/5/19 1840

Turnaround Time: Standard☐ 24 Hours☐ 48 hours☐ 72 Hours☐ Other☐
Sample Integrity: (Check by lab on arrival)
Intact: ____ On Ice: ____ Temp: ____
COC #

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WORK ORDER NUMBER: 19-02-0930

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 4

CLIENT: ARCADIS

DATE: 02/5/2019

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 2.6 °C (w/ CF): 2.1 °C; ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 676

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 676

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 810

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☑	☐	☐
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Acid/base preserved samples - pH within acceptable range	☐	☐	☑
Container(s) for certain analysis free of headspace	☑	☐	☐
☑ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☑ VOA**h** (1) ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB ☐ 125PB**znna** (pH__9)

☐ 250AGB ☐ 250CGB ☐ 250CGB**s** (pH__2) ☐ 250PB ☐ 250PB**n** (pH__2) ☐ 500AGB ☑ 500AGJ (2) ☐ 500AGJ**s** (pH__2) ☐ 500PB

☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** (pH__2) ☐ 1AGB**s** (O&G) ☐ 1PB ☐ 1PB**na** (pH__12) ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (___) ☐ EnCores® (___) ☐ TerraCores® (___) ☐ _____ ☐ _____ ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **x** = Na_2SO_3+$NaHSO_4.H_2O$, **znna** = Zn $(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 676/810

Reviewed by: 676/810

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WORK ORDER NUMBER: 19-02-0330

SAMPLE RECEIPT CHECKLIST

COOLER 2 OF 4

CLIENT: ARCADIS

DATE: 02/5/2019

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 2.5 °C (w/ CF): 2.0 °C; ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 676

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 676

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 820

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☑	☐	☐
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Acid/base preserved samples - pH within acceptable range	☐	☐	☑
Container(s) for certain analysis free of headspace	☑	☐	☐
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (6) (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☑ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB ☐ 125PB**znna** (pH__9)

☐ 250AGB ☐ 250CGB ☐ 250CGB**s** (pH__2) ☐ 250PB ☐ 250PB**n** (pH__2) ☐ 500AGB ☑ 500AGJ (2) ☐ 500AGJ**s** (pH__2) ☐ 500PB

☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** (pH__2) ☐ 1AGB**s** (O&G) ☐ 1PB ☐ 1PB**na** (pH__12) ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (___) ☐ EnCores® (___) ☐ TerraCores® (___) ☐ _____ ☐ _____ ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **x** = Na_2SO_3+$NaHSO_4.H_2O$, **znna** = Zn $(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 676/820

Reviewed by: 69/30

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WORK ORDER NUMBER: 19-02-0330

SAMPLE RECEIPT CHECKLIST

COOLER 3 OF 4

CLIENT: ARCADIS

DATE: 02/5/2019

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 2.5 °C (w/ CF): 2.0 °C; ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 676

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 676

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☐ Not Present ☐ N/A Checked by: 810

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☑	☐	☐
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Acid/base preserved samples - pH within acceptable range	☐	☐	☑
Container(s) for certain analysis free of headspace	☑	☐	☐
☑ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (C) (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☑ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB ☐ 125PB**znna** (pH__9)

☐ 250AGB ☐ 250CGB ☐ 250CGB**s** (pH__2) ☐ 250PB ☐ 250PB**n** (pH__2) ☐ 500AGB ☑ 500AGJ (2) ☐ 500AGJ**s** (pH__2) ☐ 500PB

☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** (pH__2) ☐ 1AGB**s** (O&G) ☐ 1PB ☐ 1PB**na** (pH__12) ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (___) ☐ EnCores® (___) ☐ TerraCores® (___) ☐ _____ ☐ _____ ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **x** = Na_2SO_3+$NaHSO_4.H_2O$, **znna** = Zn $(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 676/810

Reviewed by: 676

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WORK ORDER NUMBER: 19-02-0330

SAMPLE RECEIPT CHECKLIST

COOLER 4 OF 4

CLIENT: ARCADIS

DATE: 02/5/2019

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 2.6 °C (w/ CF): 2.1 °C; ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 676

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 676

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: SLO

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☑	☐	☐
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Acid/base preserved samples - pH within acceptable range	☐	☐	☑
Container(s) for certain analysis free of headspace	☑	☐	☐
☑ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (6) (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☑ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB ☐ 125PB**znna** (pH__9)

☐ 250AGB ☐ 250CGB ☐ 250CGB**s** (pH__2) ☐ 250PB ☐ 250PB**n** (pH__2) ☐ 500AGB ☑ 500AGJ (2) ☐ 500AGJ**s** (pH__2) ☐ 500PB

☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** (pH__2) ☐ 1AGB**s** (O&G) ☐ 1PB ☐ 1PB**na** (pH__12) ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (___) ☐ EnCores® (___) ☐ TerraCores® (___) ☐ _____ ☐ _____ ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **x** = Na_2SO_3+$NaHSO_4.H_2O$, **znna** = Zn $(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: SLO

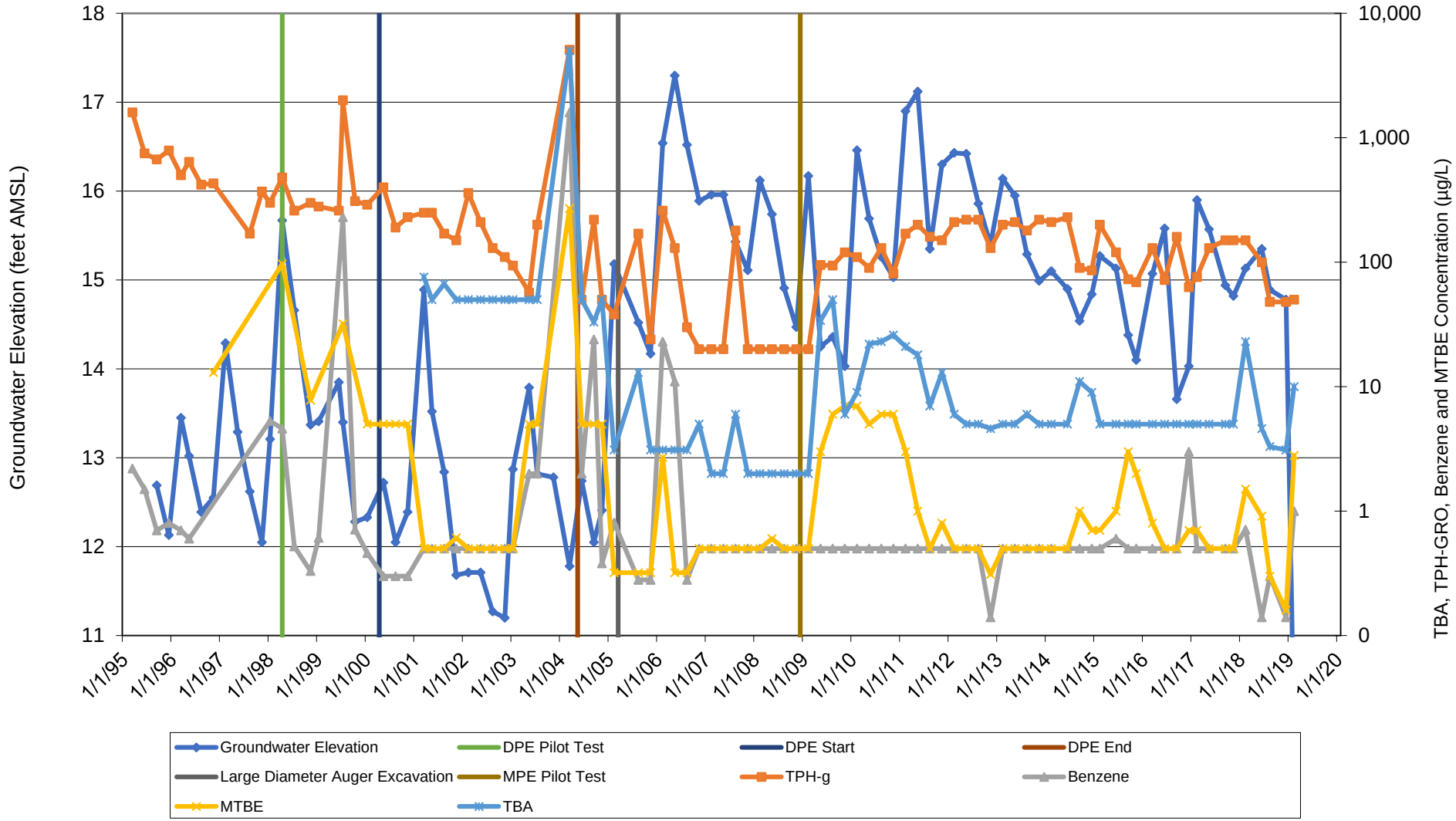
Reviewed by: 2/5/19

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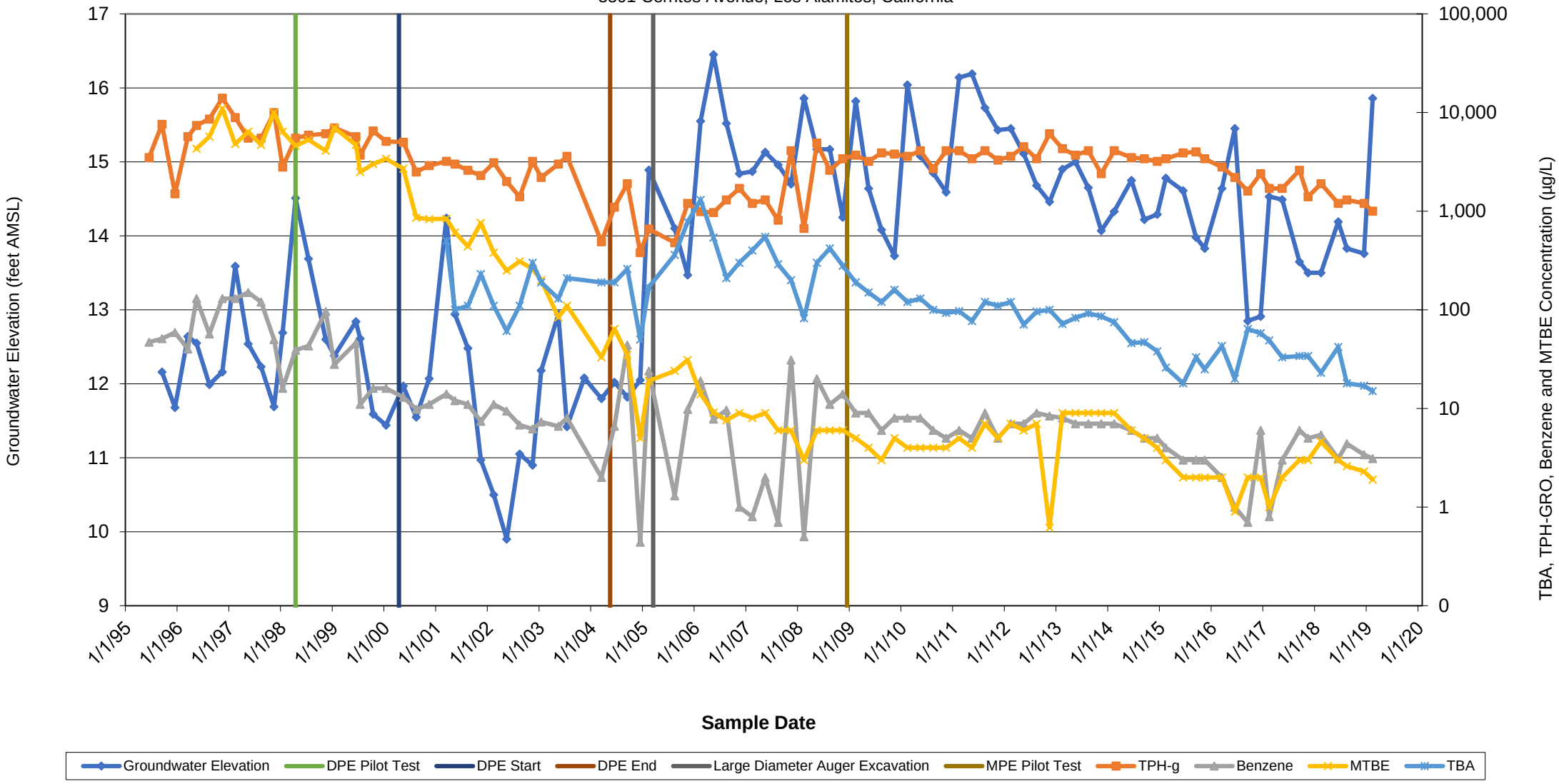
ATTACHMENT C

Hydrographs

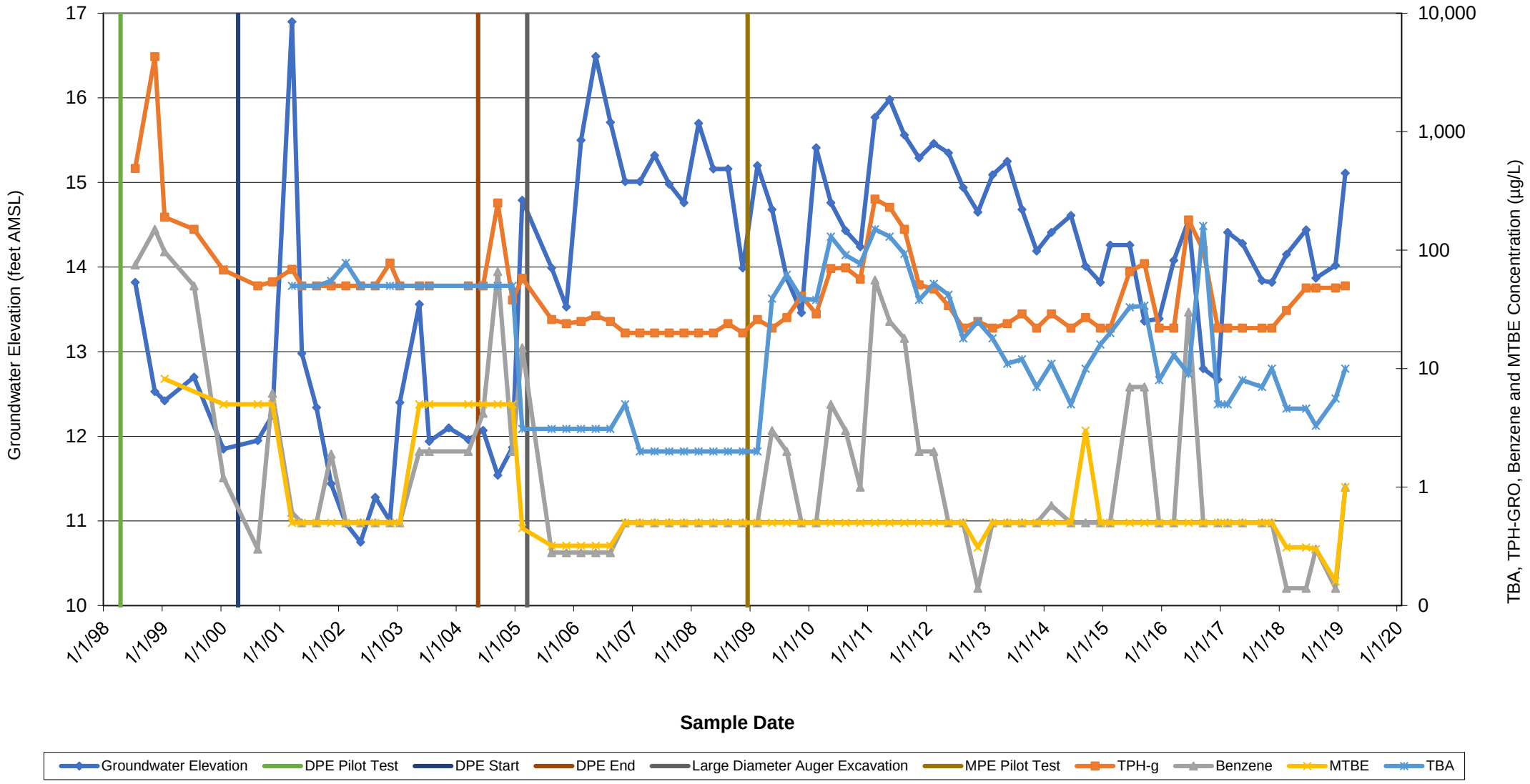
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Chevron Site No. 306600
3501 Cerritos Avenue, Los Alamitos, California



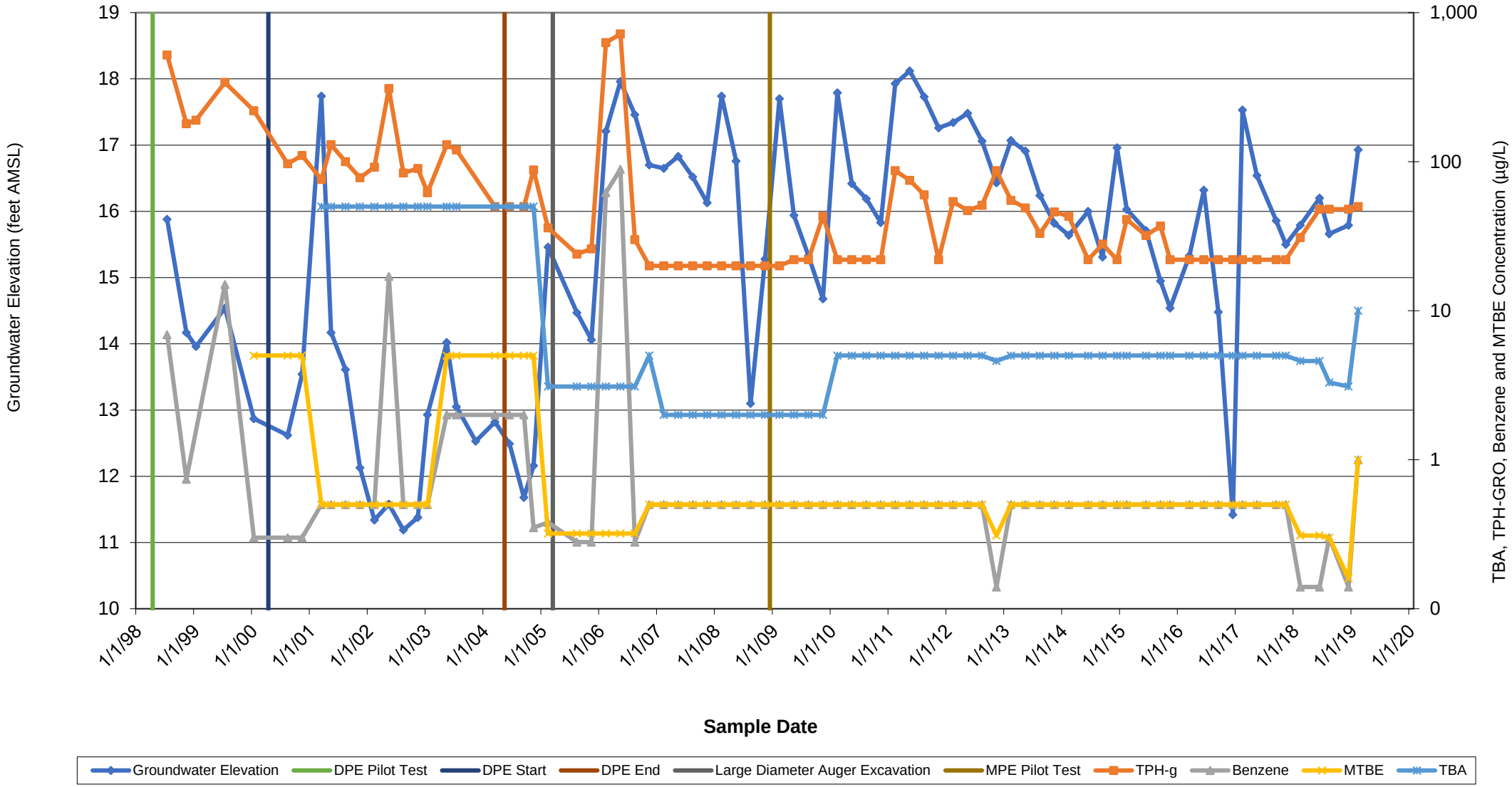
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Chevron Site No. 306600
3501 Cerritos Avenue, Los Alamitos, California



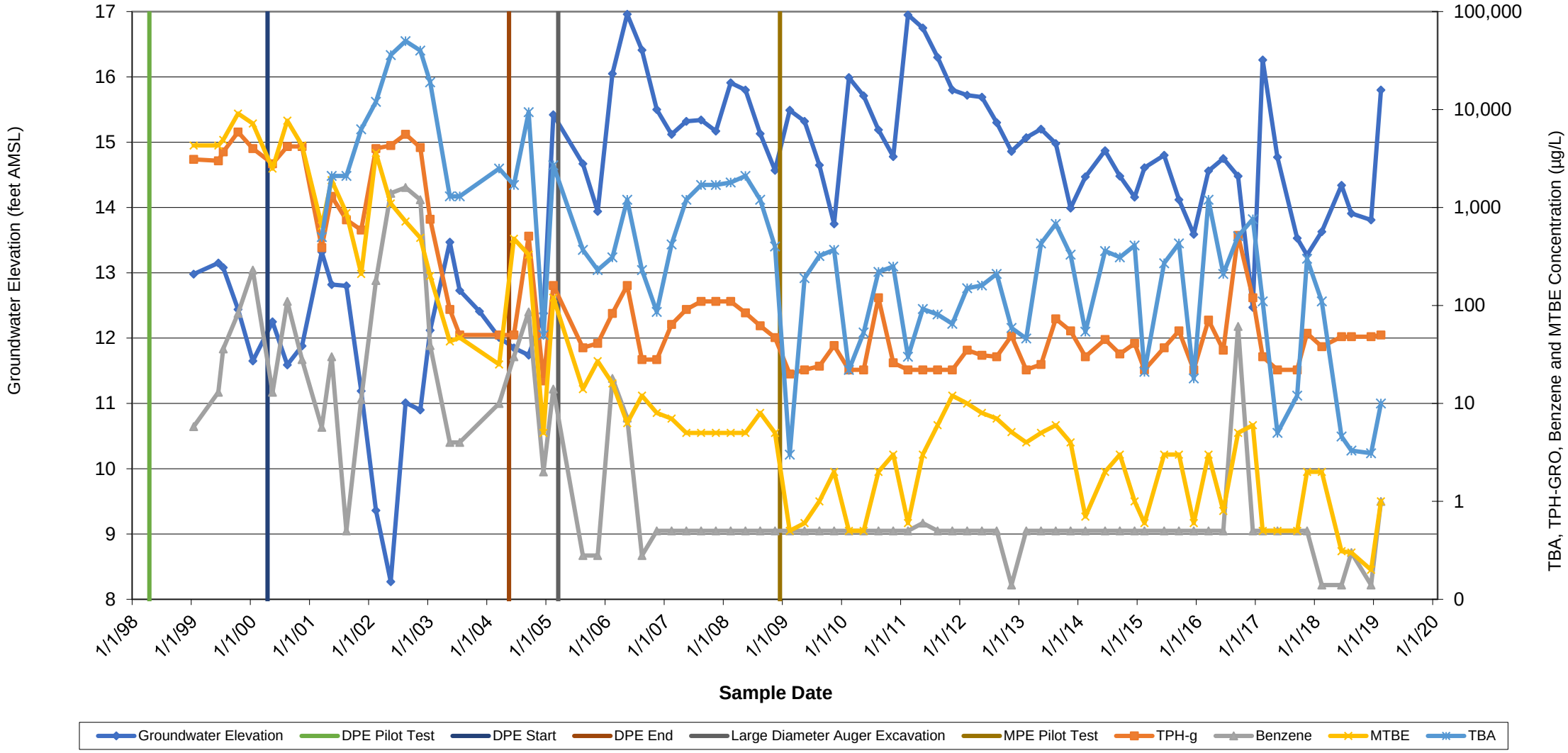
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Chevron Site No. 306600
3501 Cerritos Avenue, Los Alamitos, California



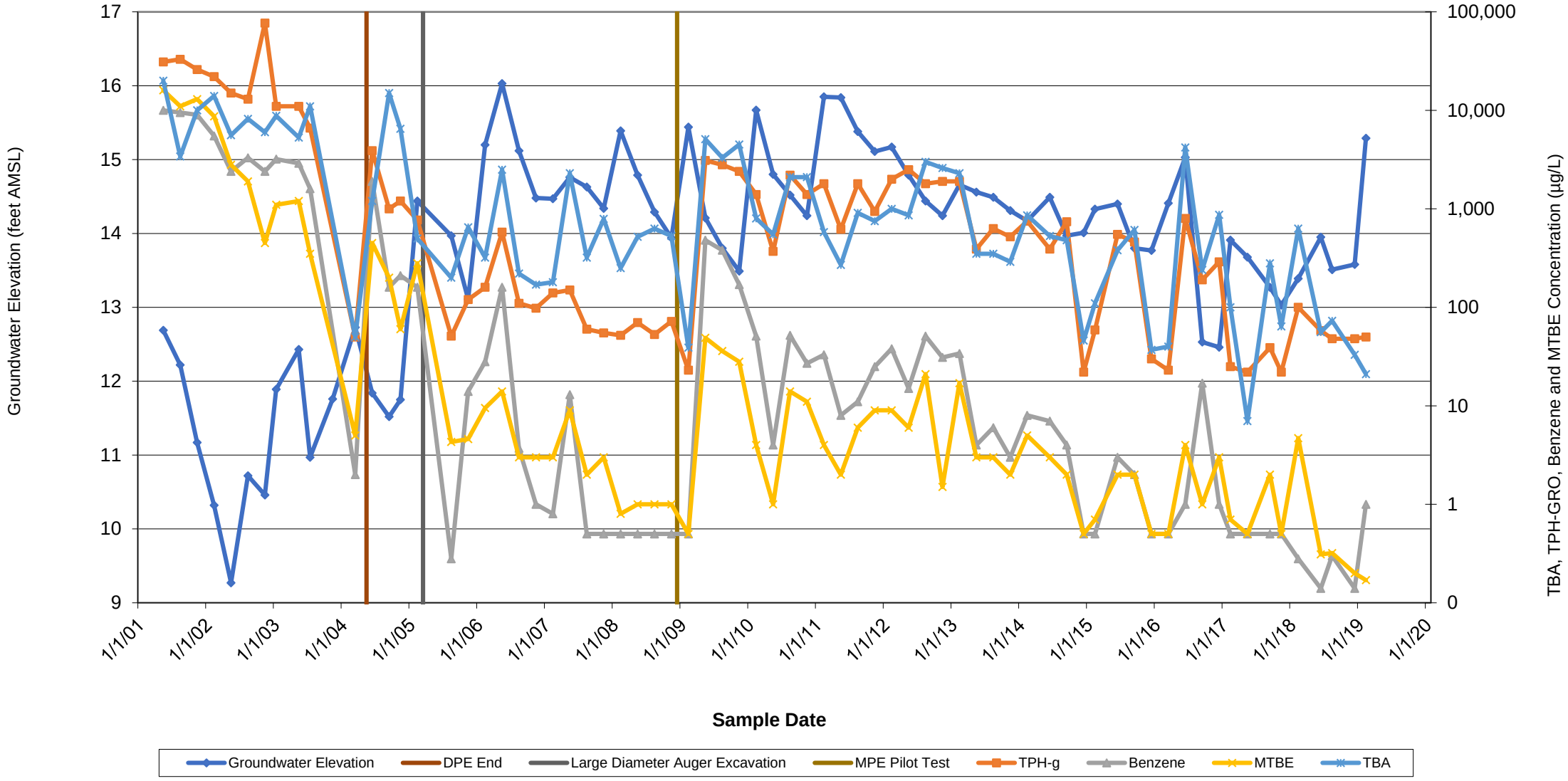
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Chevron Site No. 306600
3501 Cerritos Avenue, Los Alamitos, California



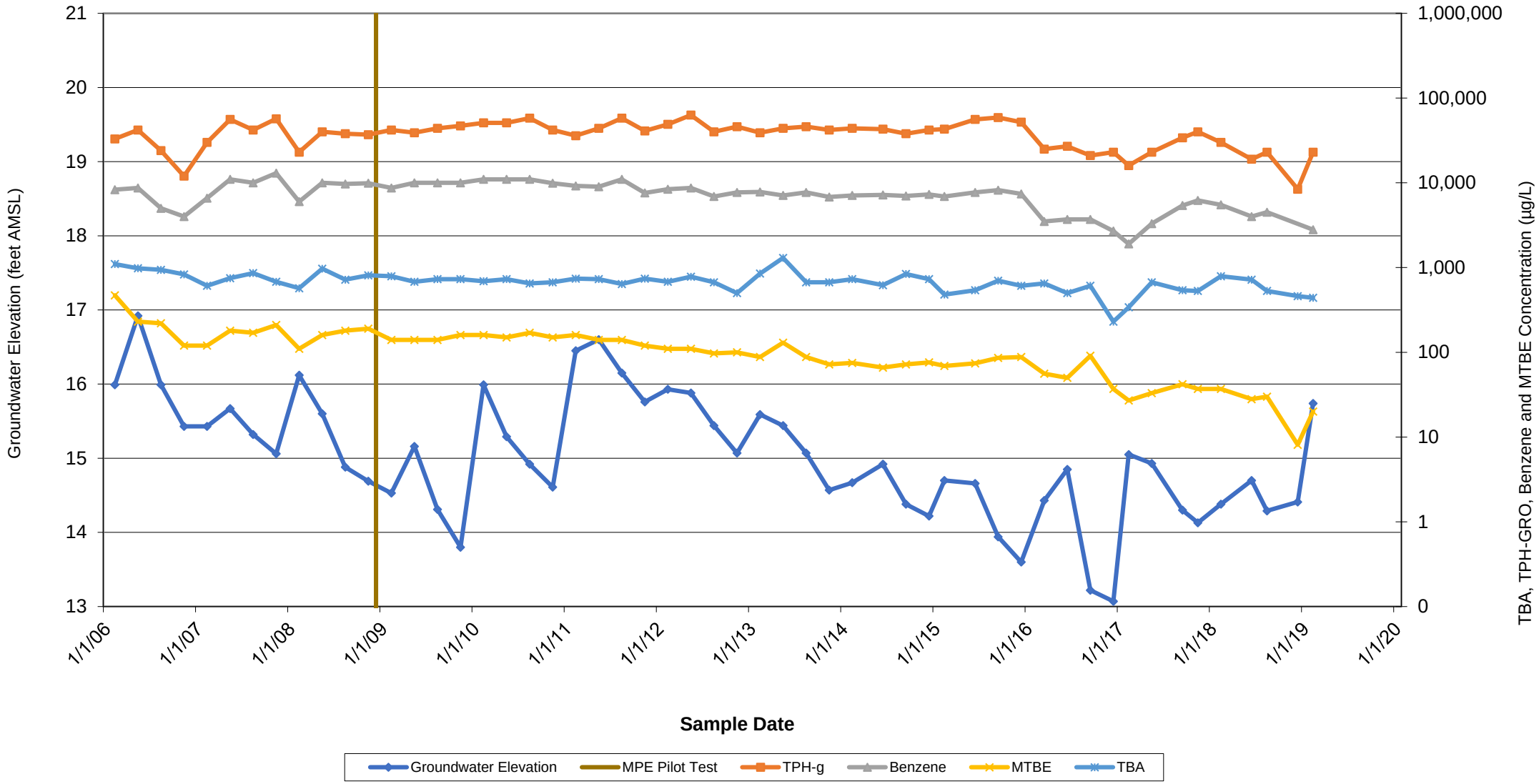
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Chevron Site No. 306600
3501 Cerritos Avenue, Los Alamitos, California



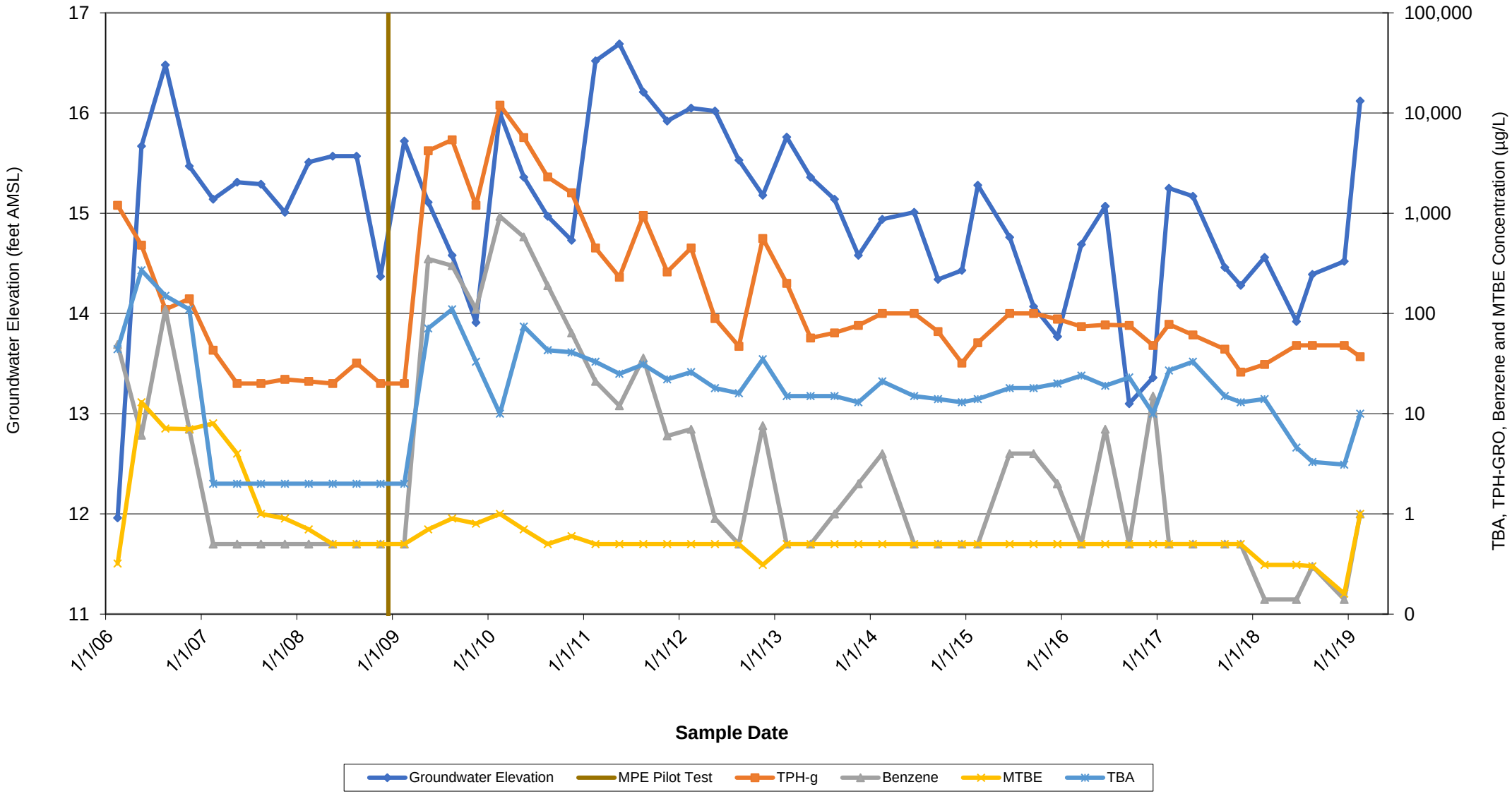
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Chevron Site No. 306600
3501 Cerritos Avenue, Los Alamitos, California



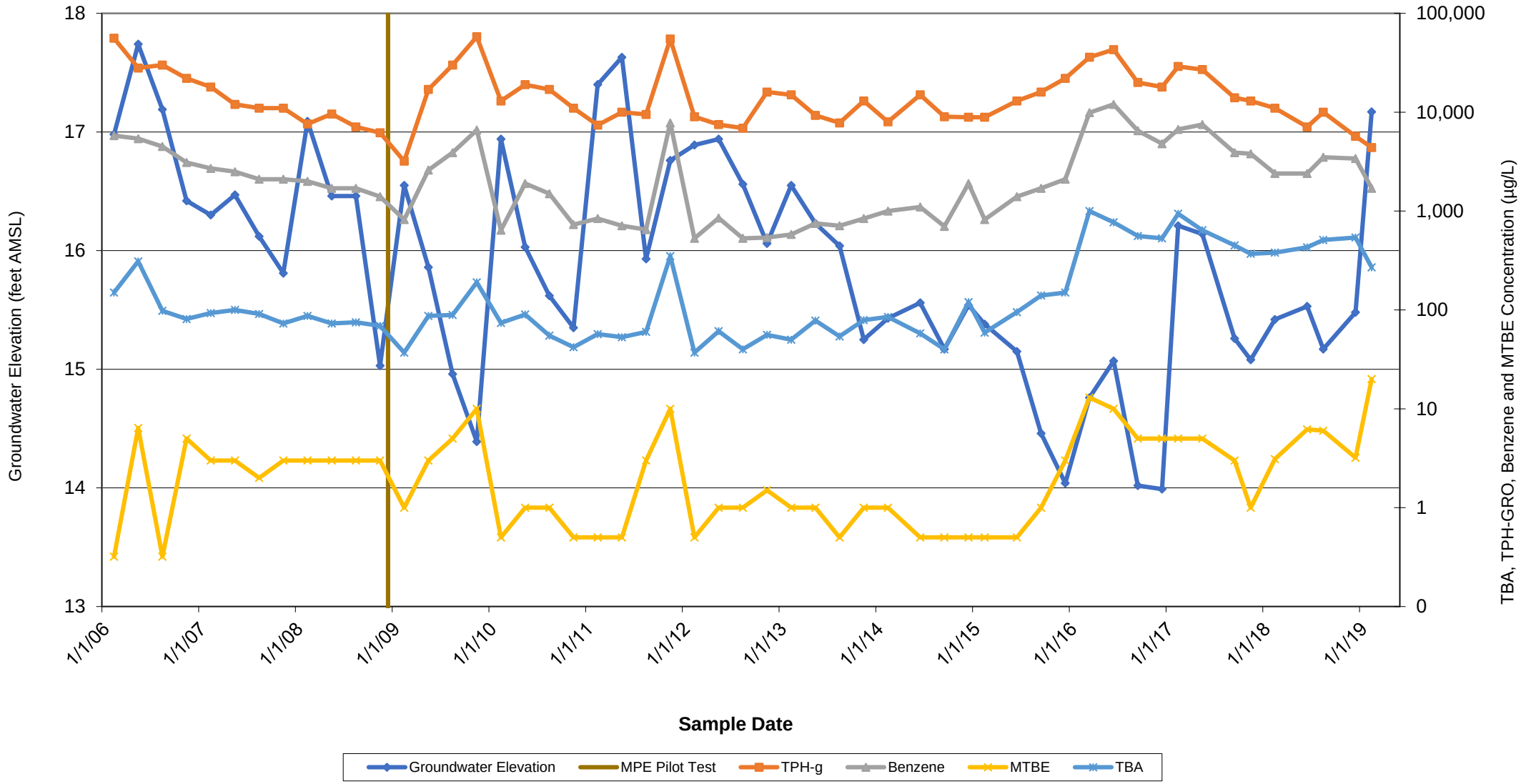
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3501 Cerritos Avenue, Los Alamitos, California



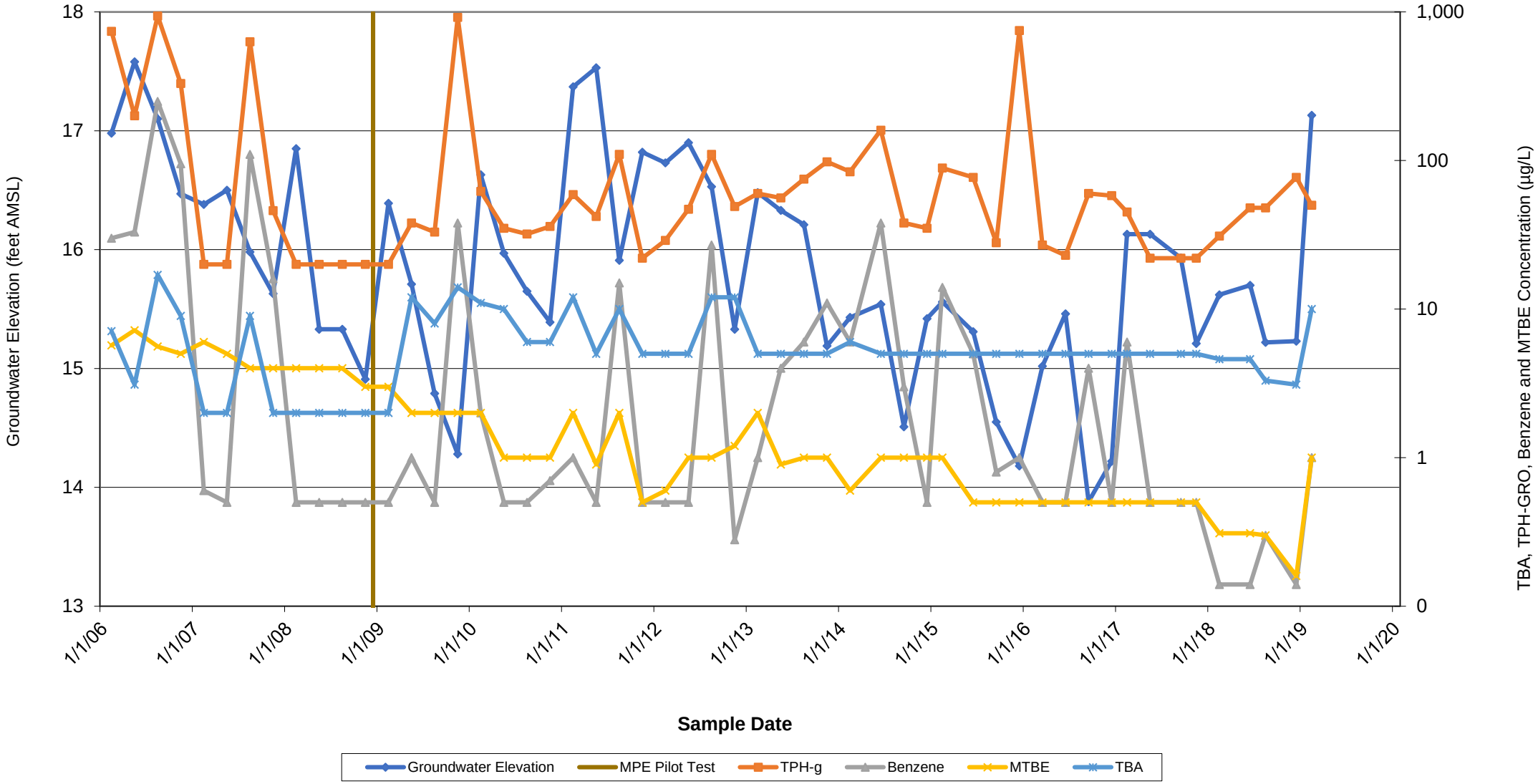
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Chevron Site No. 306600
3501 Cerritos Avenue, Los Alamitos, California



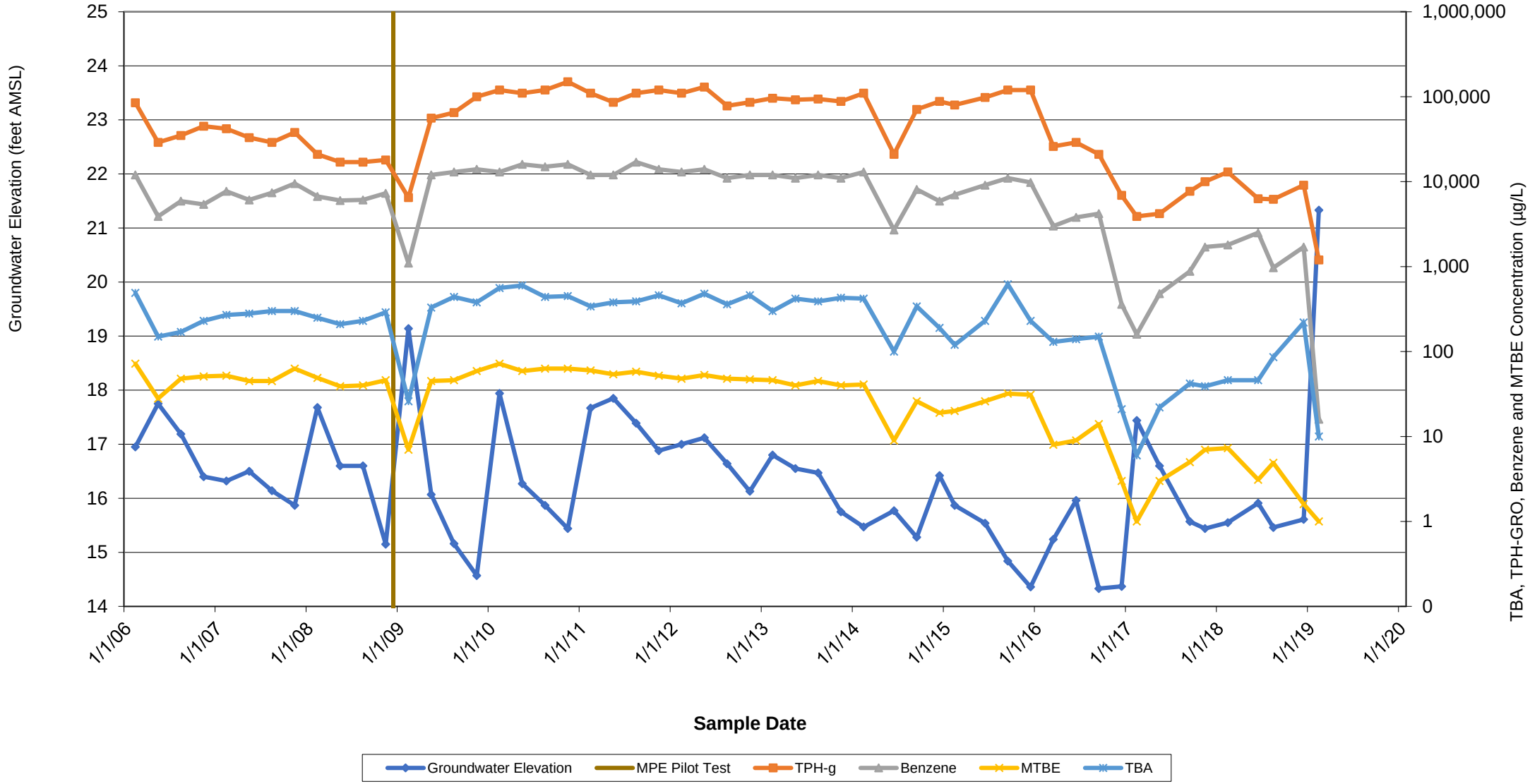
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3501 Cerritos Avenue, Los Alamitos, California



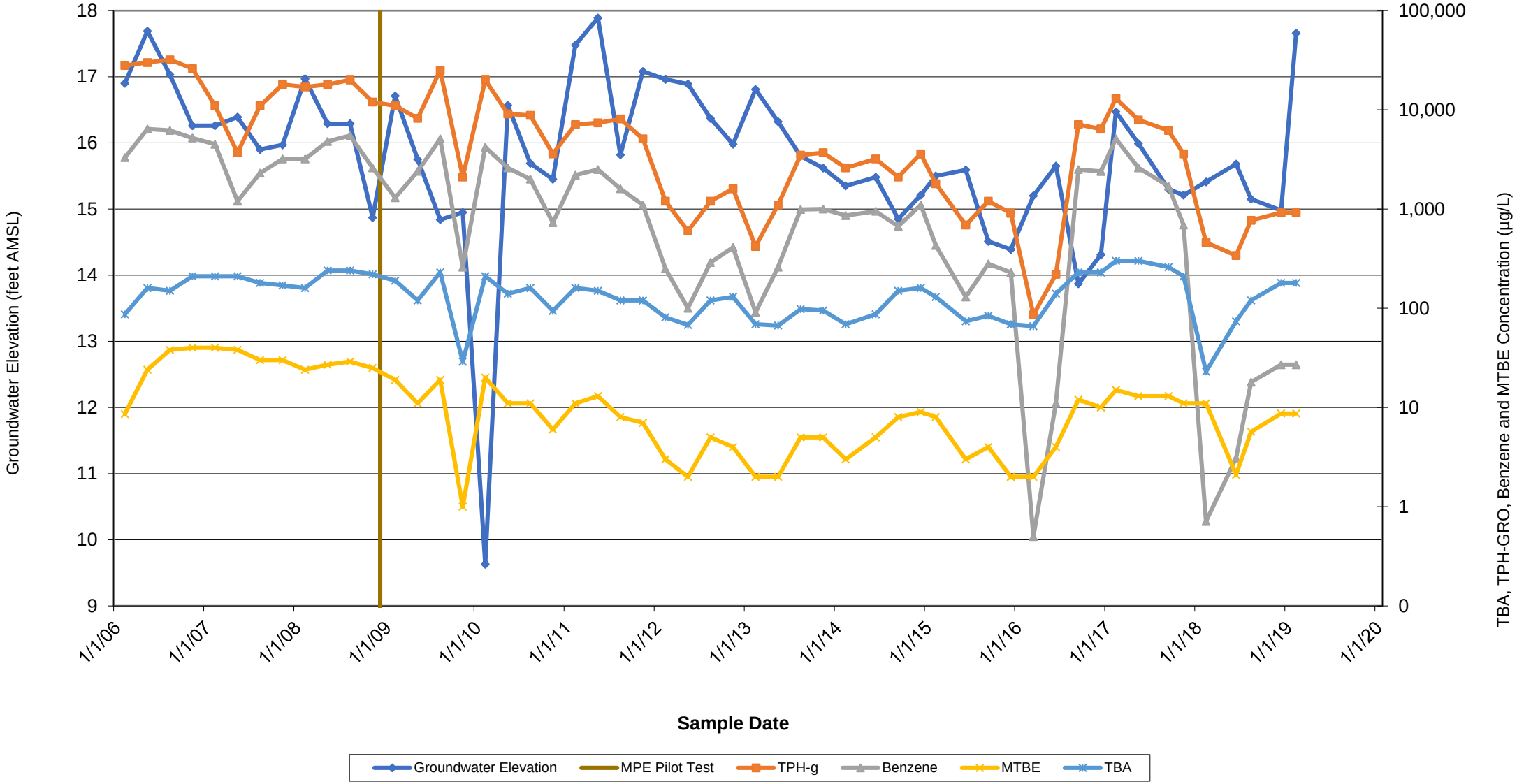
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Chevron Site No. 306600
3501 Cerritos Avenue, Los Alamitos, California



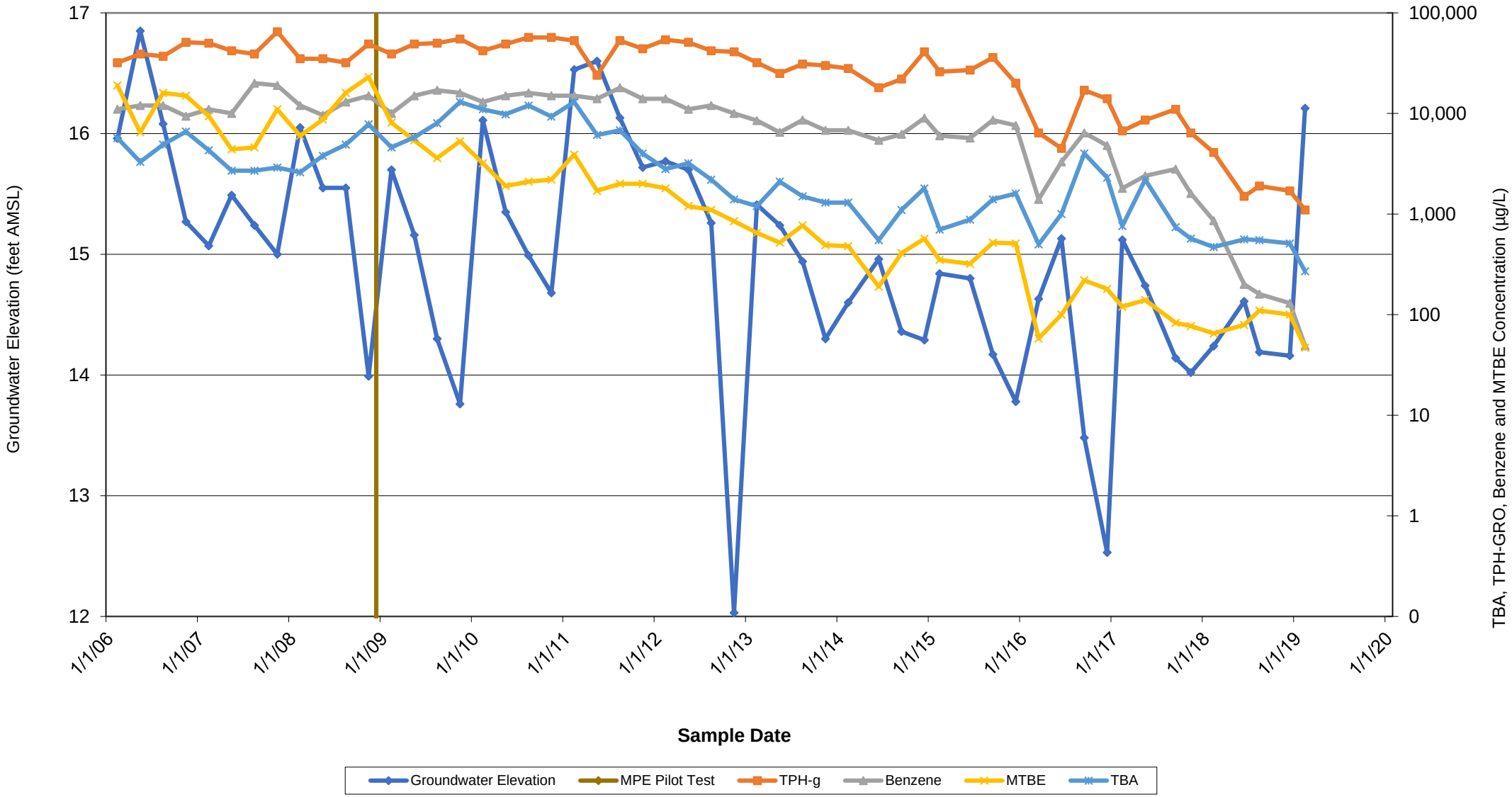
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Chevron Site No. 306600
3501 Cerritos Avenue, Los Alamitos, California



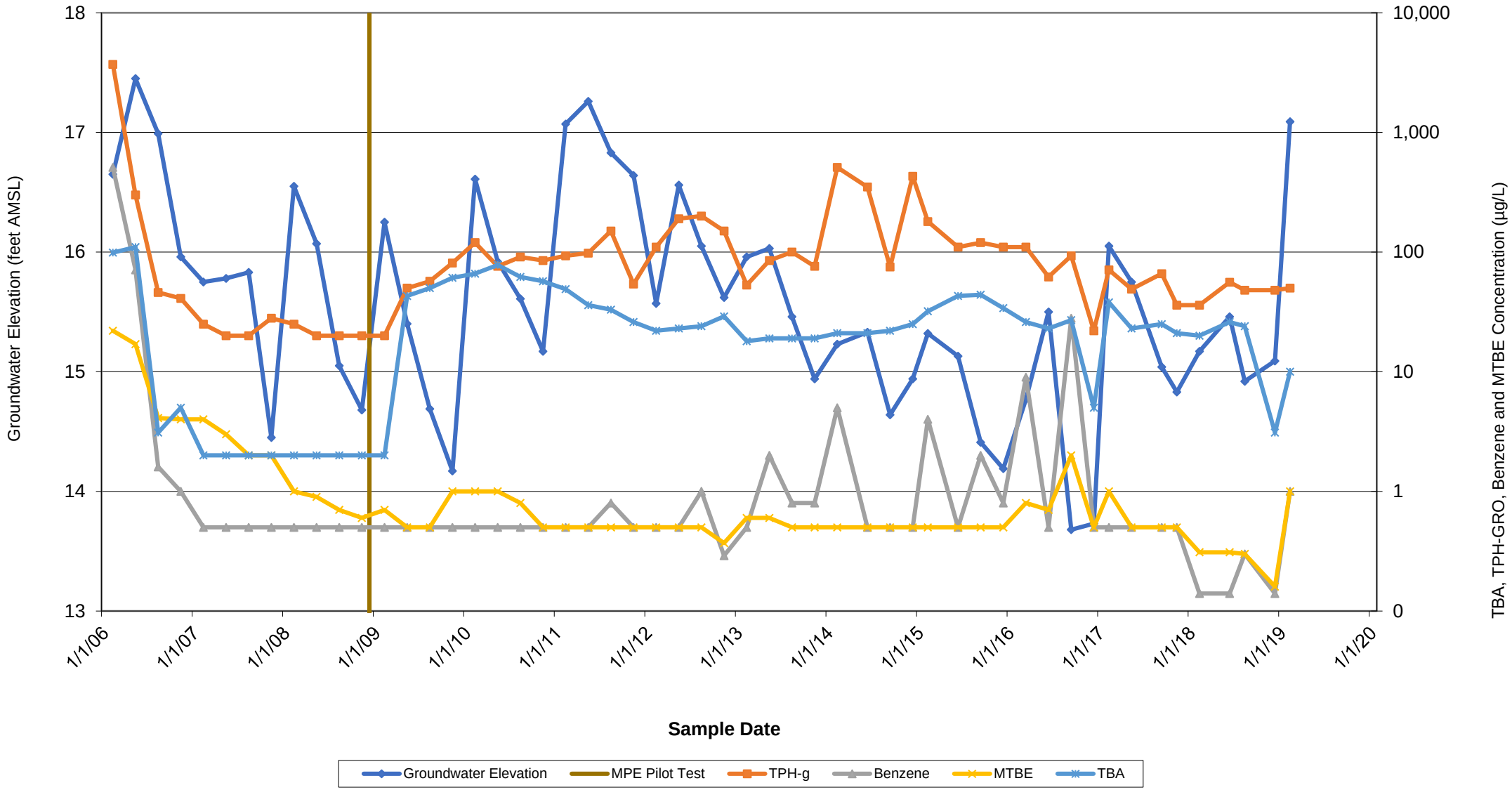
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Chevron Site No. 306600
3501 Cerritos Avenue, Los Alamitos, California



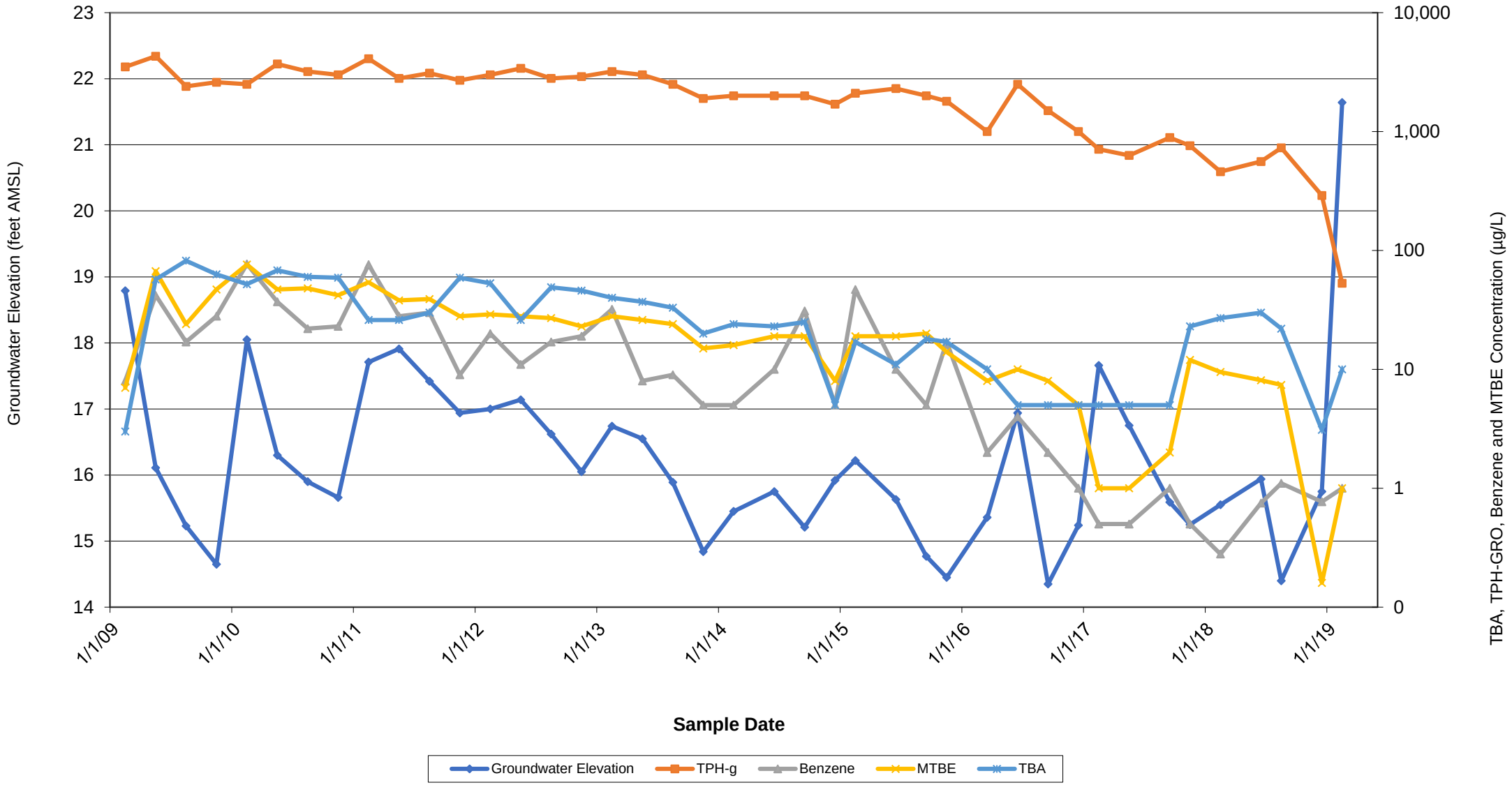
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Chevron Site No. 306600
3501 Cerritos Avenue, Los Alamitos, California



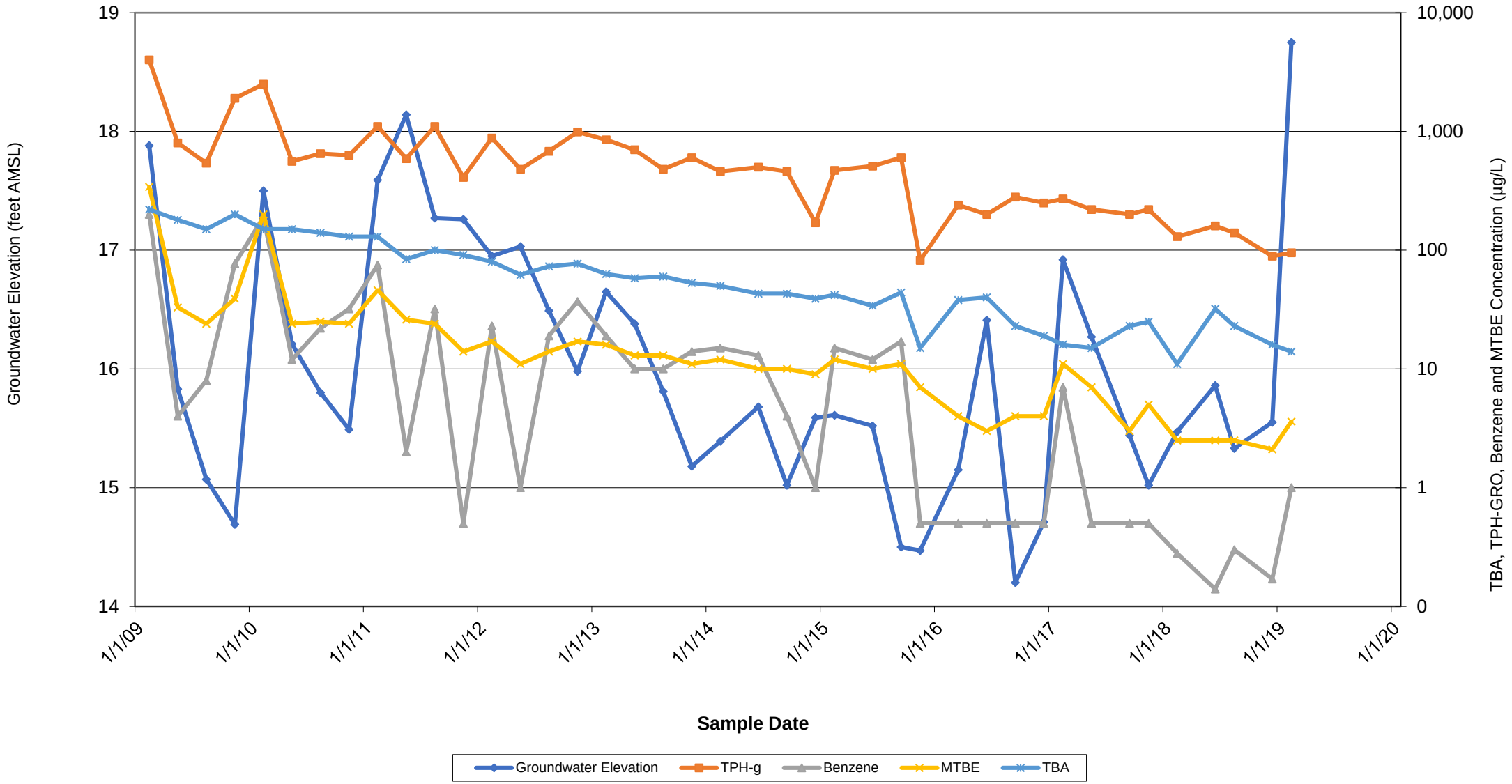
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Chevron Site No. 306600
3501 Cerritos Avenue, Los Alamitos, California



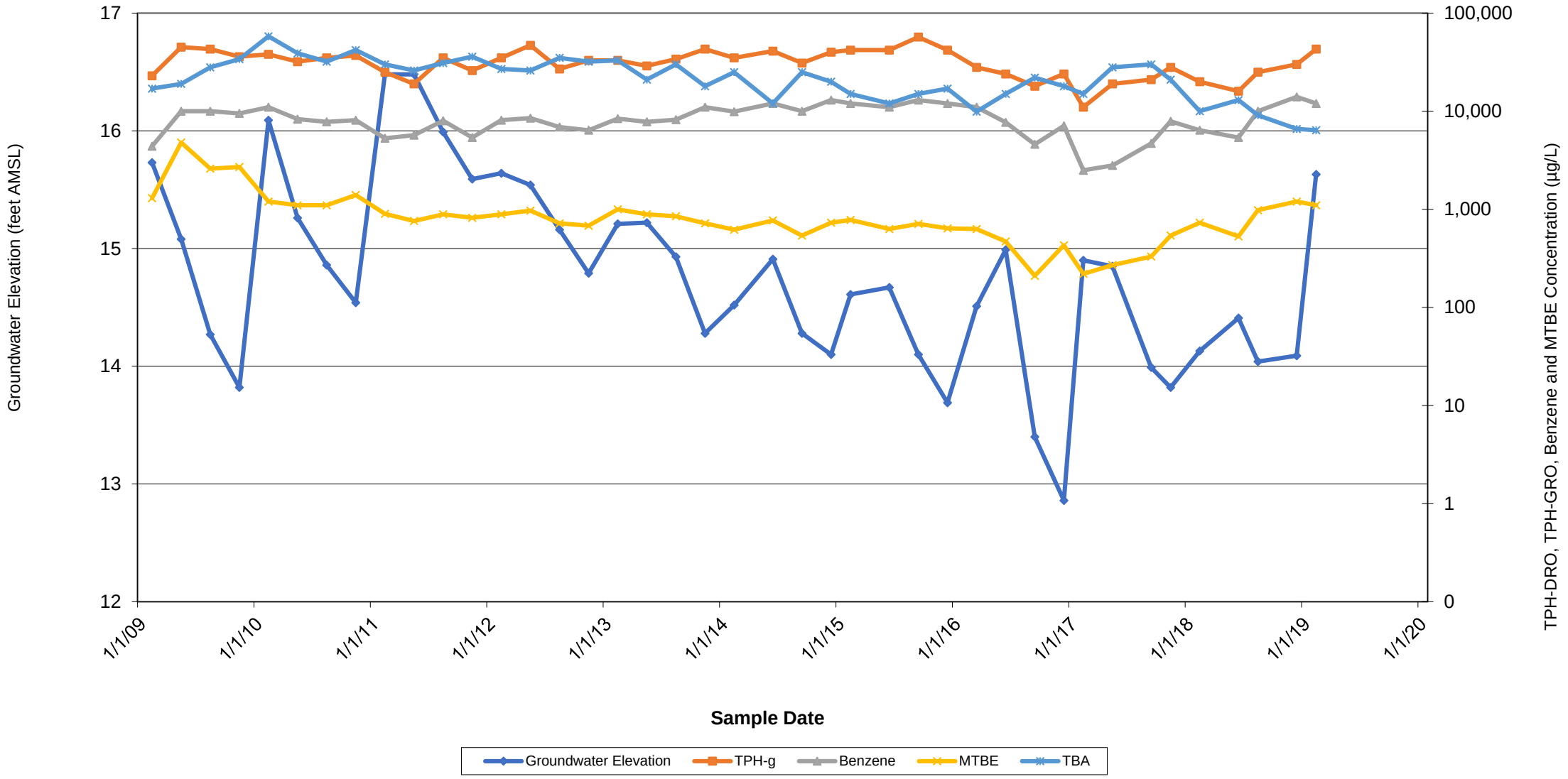
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Chevron Site No. 306600
3501 Cerritos Avenue, Los Alamitos, California



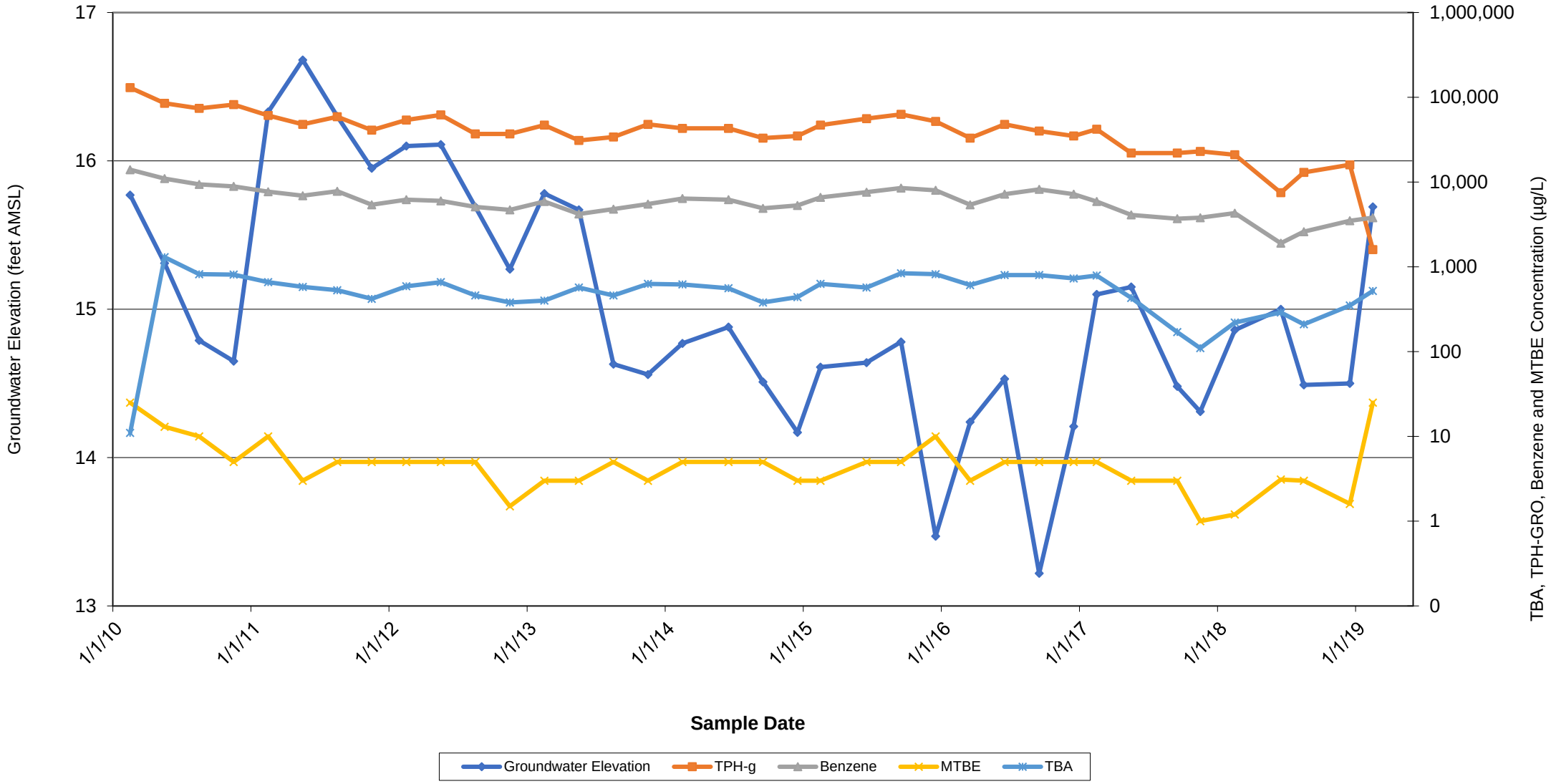
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Chevron Site No. 306600
3501 Cerritos Avenue, Los Alamitos, California



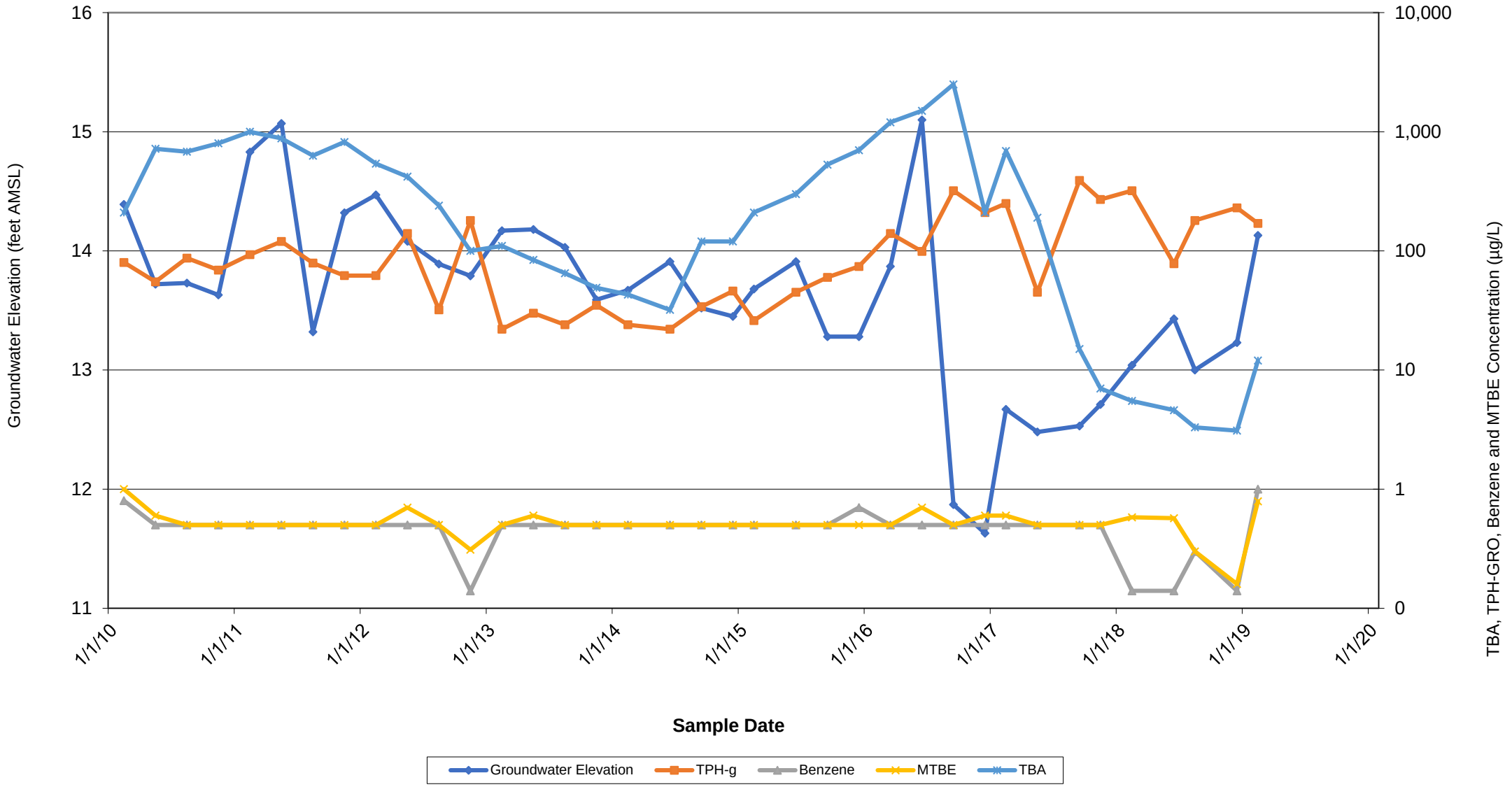
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Chevron Site No. 306600
3501 Cerritos Avenue, Los Alamitos, California



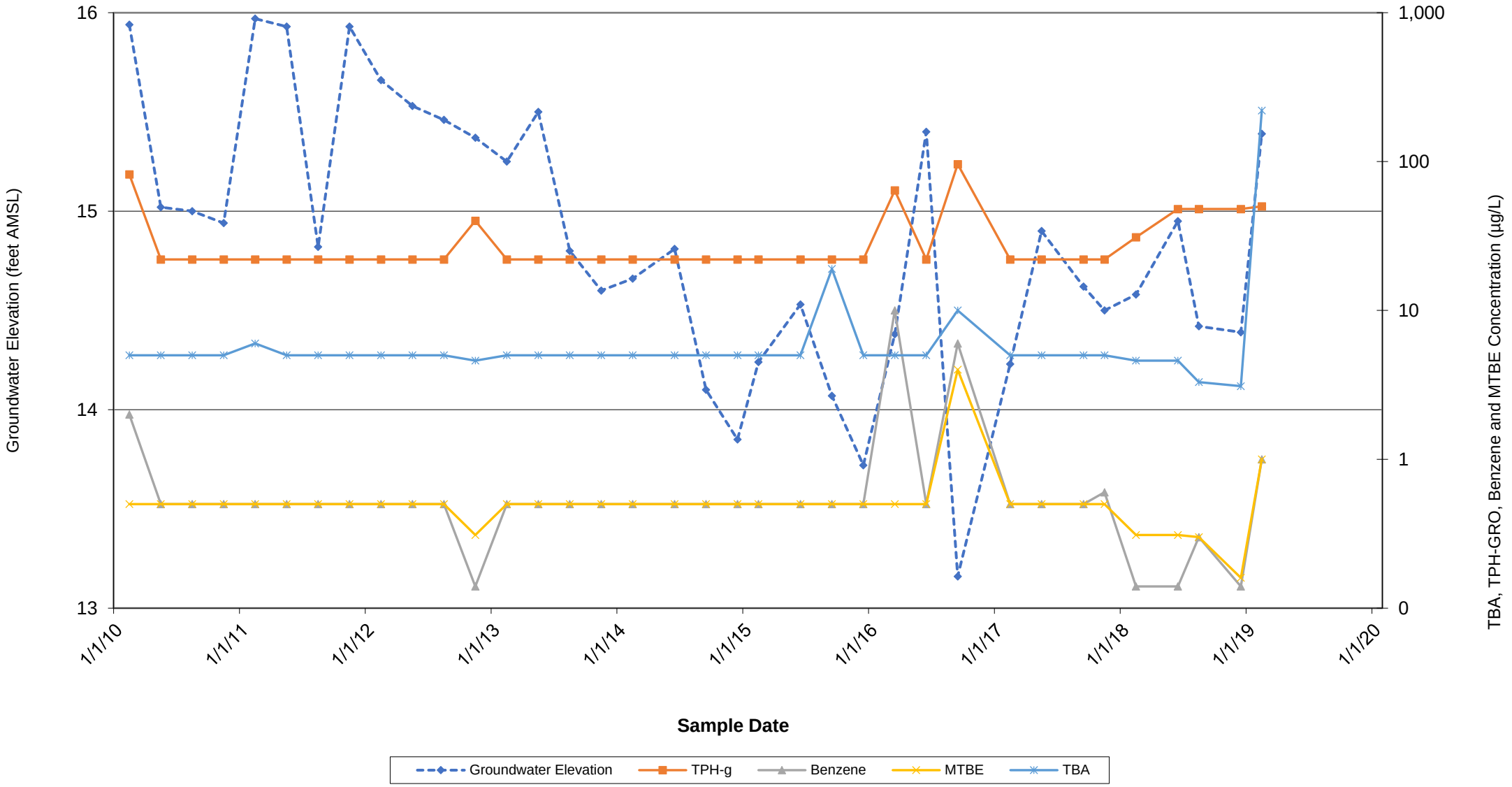
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Chevron Site No. 306600
3501 Cerritos Avenue, Los Alamitos, California



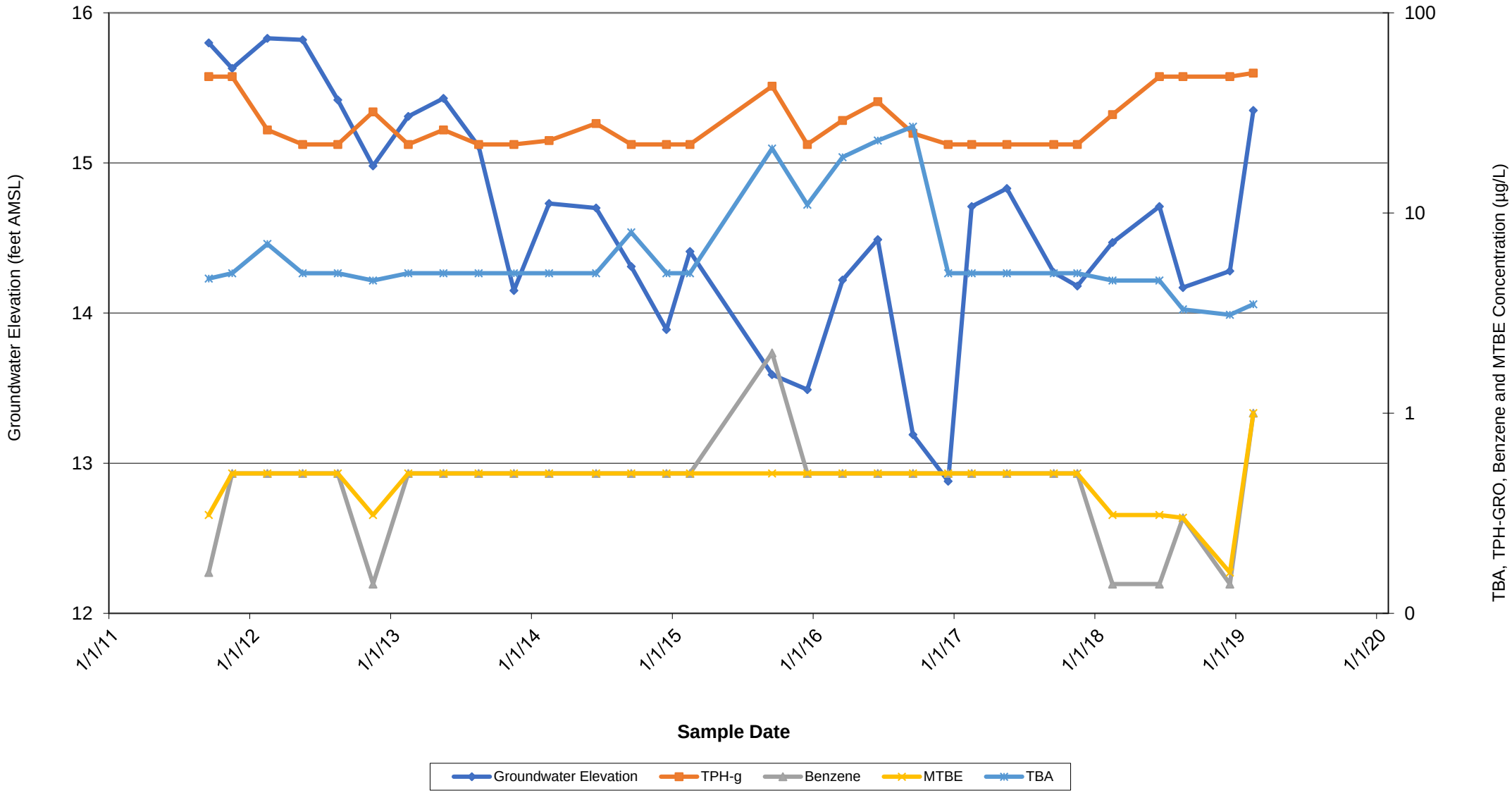
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Chevron Site No. 306600
3501 Cerritos Avenue, Los Alamitos, California



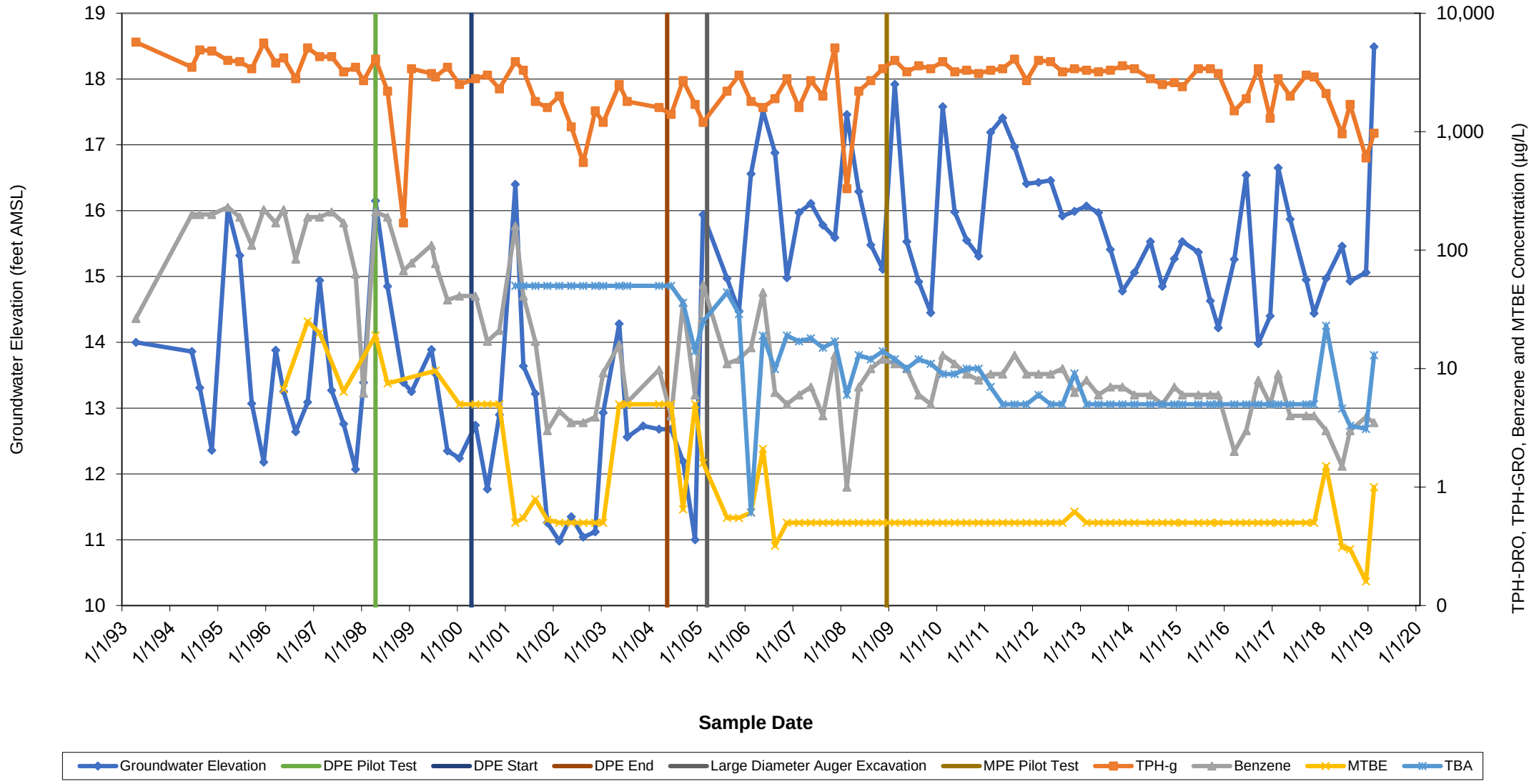
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Chevron Site No. 306600
3501 Cerritos Avenue, Los Alamitos, California



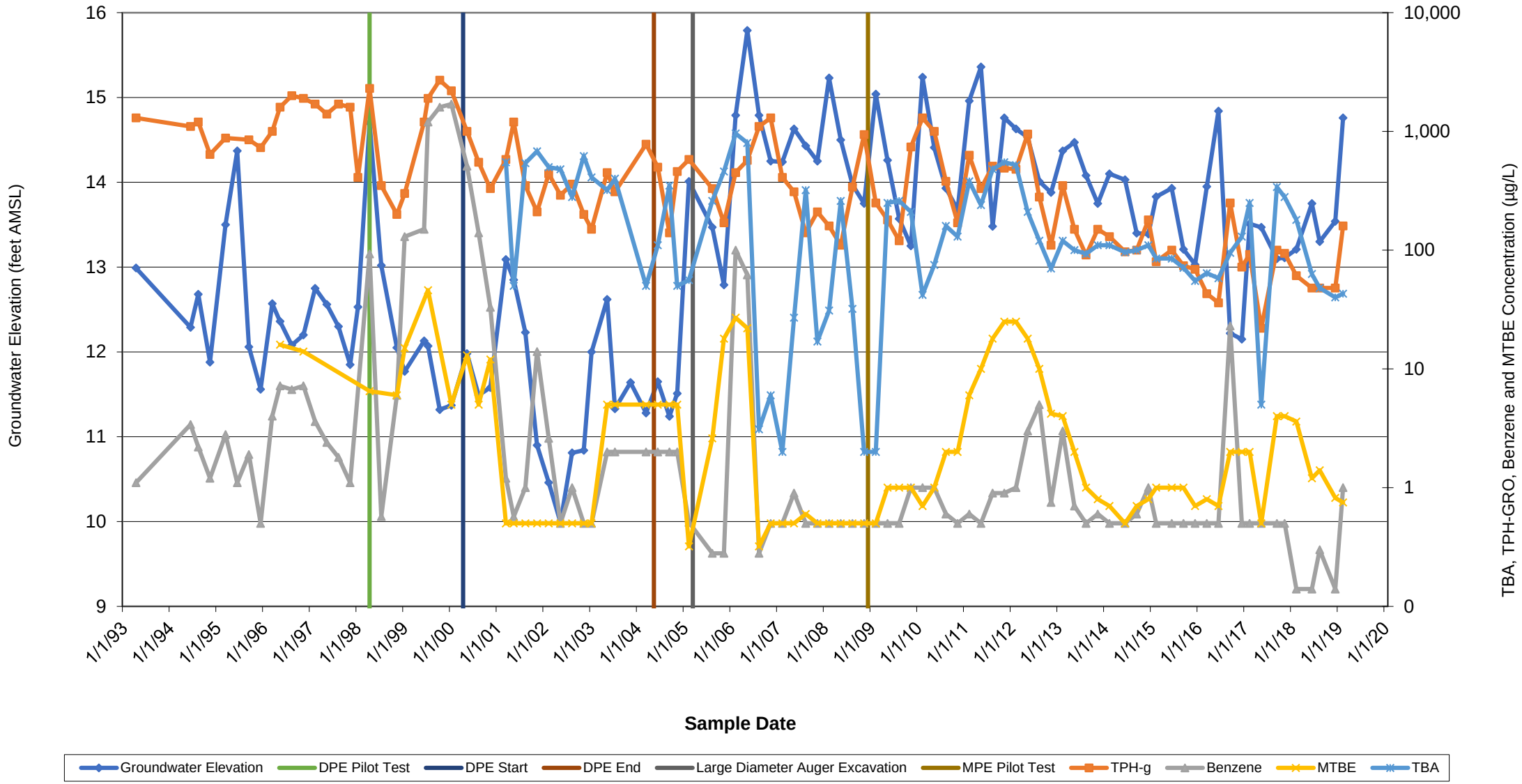
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Chevron Site No. 306600
3501 Cerritos Avenue, Los Alamitos, California



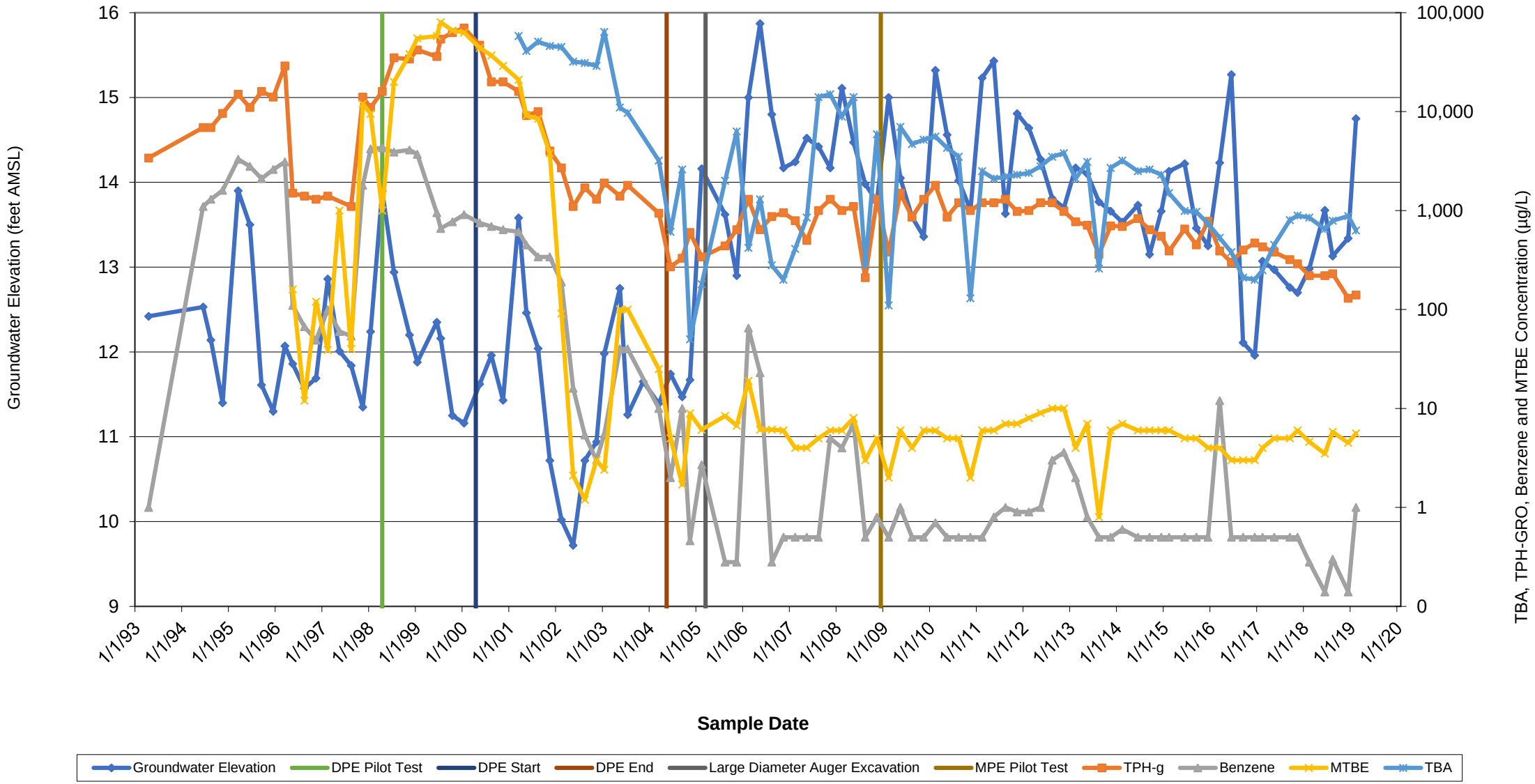
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Chevron Site No. 306600
3501 Cerritos Avenue, Los Alamitos, California



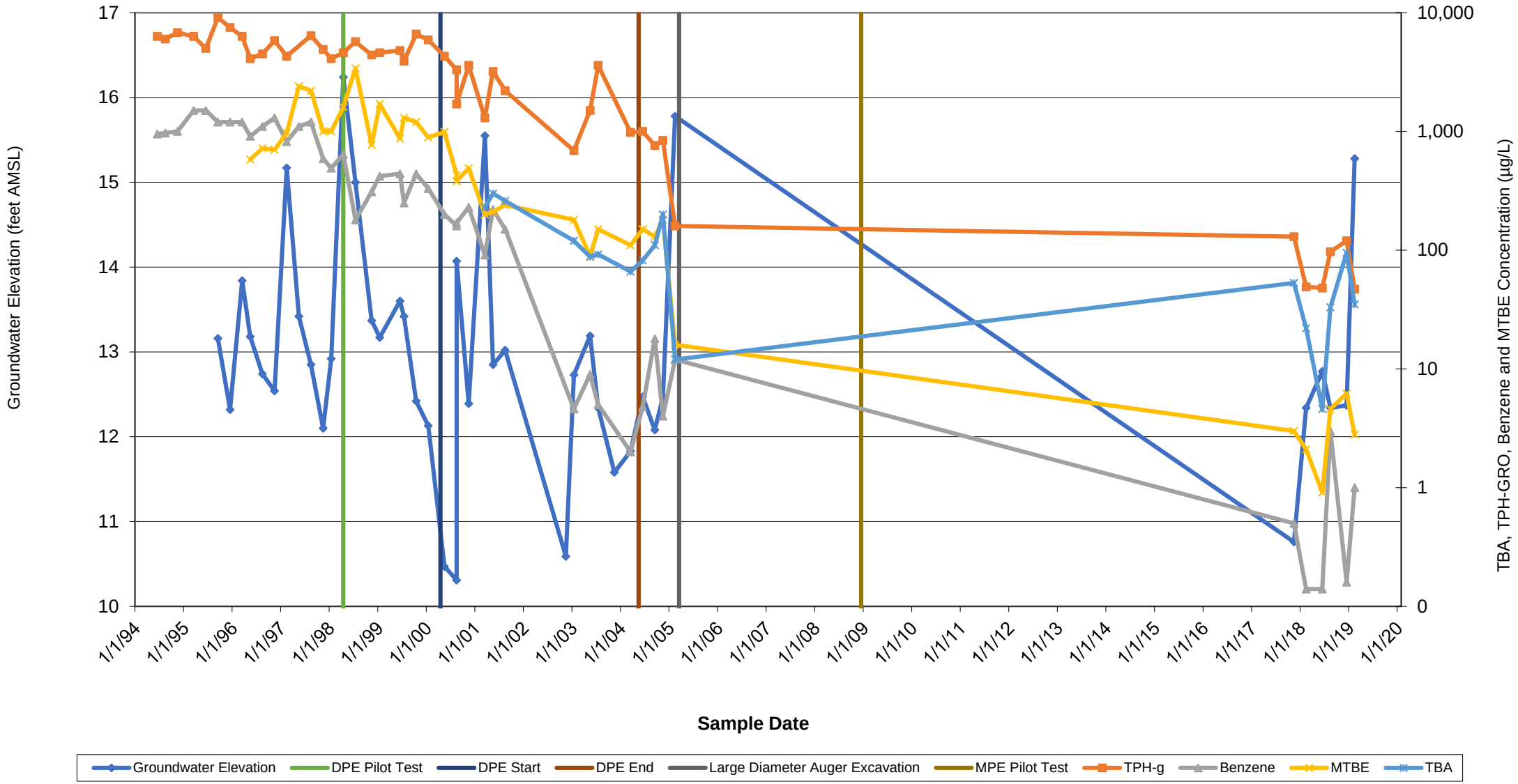
CHEMICAL CONCENTRATIONS AND GROUNDWATER ELEVATION VERSUS TIME – RMC-6
Chevron Site No. 306600
3501 Cerritos Avenue, Los Alamitos, California



CHEMICAL CONCENTRATIONS AND GROUNDWATER ELEVATION VERSUS TIME – RMC-7
Chevron Site No. 306600
3501 Cerritos Avenue, Los Alamitos, California



CHEMICAL CONCENTRATIONS AND GROUNDWATER ELEVATION VERSUS TIME – VEW-1
Chevron Site No. 306600
3501 Cerritos Avenue, Los Alamitos, California



ATTACHMENT D

Soil Waste Manifest

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

DW 1900533476

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NONEREQUIRED

Manifest Document No NH533476

2. Page 1 of

3. Generator's Name and Mailing Address
Chevron EMC-Chevron - Former Unocal 306600
3501 Cerritos Ave
Los Alamitos CA 90720
4. Generator's Phone ((925) 842-3872

Site Address :
SAME

5. Transporter 1 Company Name
Clean Harbors Environmental Services, Inc.

6. US EPA ID Number
MAD039322250

A. State Transporter's ID

B. Transporter 1 Phone (781) 792-5000

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Clean Harbors Wilmington LLC
1737 East Denni Street
Wilmington, CA 90744

10. US EPA ID Number
CAD044429835

E. State Facility's ID

F. Facility's Phone
(310) 835-9998

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON DOT REGULATED MATERIAL, (SOIL CONTAMINATED WITH VOC'S (NON HAZARDOUS))	8	DM	4800	P
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
11a.CH1331020 8 X 55

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
5548

EMERGENCY PHONE #: (800) 483-3718
GENERATOR: Chevron EMC-Chevron - Former Unocal 306600

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

GENERATOR

Printed/Typed Name	Signature	Date (Month Day Year)
Ramiro Equiluz on Behalf of Chevron Env		2 14 19

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Ramiro Equiluz		2 14 19

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
Jordan Mapes	Jordan Mapes	2 15 19

NON-HAZARDOUS WASTE

PRINTED ON RECYCLED PAPER USING SOYBEAN INK PRINTED WITH SOY INK

ATTACHMENT E

Current Groundwater Gauging and Analytical Results, Chevron No. 206285

Table 1. Current Groundwater Gauging and Analytical Results
Chevron Site No. 206285
Former Standard Oil Service Station No. 3-7180
10471 Los Alamitos Boulevard
Los Alamitos, California

Well ID	Sample Date	Screen Interval (ft bgs)	Datum	TOC (ft)	PSH Thickness (ft)	DTW (ft bTOC)	GW Elev (ft)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-j (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Comments
Upper Zone																				
MW-01R	2/4/2019	5-20	NAVD88	27.94	0.00	8.26	19.68	<50	<47	<47	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	
MW-02R	2/5/2019	5-20	NAVD88	27.83	0.00	9.04	18.79	**2,300**	**1,500**	**1,600**	**150**	**11**	**8.0**	**5.9 JA**	<1.0	<10	**0.16 J**	<2.0	<2.0	
MW-03	2/4/2019	11-21	NAVD88	27.55	0.00	7.69	19.86	**130**	**130**	**130**	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	
MW-07R	2/5/2019	5-20	NAVD88	26.58	0.00	7.18	19.40	**5,800**	**2,700**	**2,800**	**470**	**44**	**140**	**87**	<2.0	<20	**2.1 J**	<4.0	**0.32 J**	
MW-10	2/5/2019	9-19	NAVD88	27.46	0.00	9.04	18.42	**2,000**	**1,000**	**1,100**	**18**	**4.4**	**3.3**	**2.7 JA**	<1.0	<10	<2.0	<2.0	<2.0	
MW-12	2/5/2019	8.5-18.5	NAVD88	26.54	0.00	6.51	20.03	**2,600**	**2,400**	**2,500**	**76**	**6.0**	**8.1**	**15**	<1.0	<10	**0.85 J**	<2.0	<2.0	
MW-14	2/4/2019	9-19	NAVD88	25.93	0.00	7.95	17.98	**3,900**	**2,400**	**2,400**	**290**	**28**	**13**	**28**	<1.0	<10	**3.9**	<2.0	<2.0	
MW-15	2/5/2019	9.5-19.5	NAVD88	27.40	0.00	10.38	17.02	**730**	**1,100**	**1,100**	**2.1**	**0.22 J**	**0.44 J**	**0.79 JA**	<1.0	<10	**1.1 J**	<2.0	<2.0	
MW-20S	2/4/2019	7-20	<>	26.86	0.00	11.68	15.18	<50	**330**	**230**	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	
Lower Zone																				
MW-02D	2/5/2019	25-35	NAVD88	27.55	0.00	10.92	16.63	**28,000**	**7,300**	**7,600**	**12,000**	**790**	**1,200**	**1,600 JA**	<100	<1,000	**16 J**	<200	<200	
MW-03D	2/4/2019	25-35	NAVD88	27.66	0.00	8.83	18.83	**1,400**	**1,700**	**1,700**	**0.78 J**	**0.38 J**	**2.3**	**0.72 JA**	<1.0	<10	<2.0	<2.0	<2.0	
MW-04	2/5/2019	29.5-39.5	NAVD88	27.43	0.00	10.02	17.41	**890**	**490**	**460**	**180**	**7.8**	**0.98 J**	**3.5**	<1.0	**120**	**4.8**	<2.0	<2.0	
MW-05	2/4/2019	30-40	<>	27.88	0.00	9.93	17.95	<50	**28 J**	<48	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	
MW-16	2/4/2019	25.5-35.5	NAVD88	25.69	0.00	7.42	18.27	**75**	**260**	**140**	**14**	**0.84 J**	**1.8**	**1.5 JA**	<1.0	<10	**0.21 J**	<2.0	<2.0	
MW-17	2/4/2019	28.5-38.5	NAVD88	26.29	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Well Paved Over
MW-18	2/5/2019	25-37	NAVD88	27.46	0.00	10.16	17.30	**270**	**390**	**400**	**120**	**2.4**	**0.69 J**	**2.2 JA**	<1.0	<10	**0.56 J**	<2.0	<2.0	
MW-19	2/5/2019	26-37.5	NAVD88	26.60	0.00	8.84	17.76	**15,000**	**6,800**	**6,900**	**7,900**	**470**	**670**	**480 JA**	<50	<500	**210**	<100	<100	
MW-20D	2/4/2019	25-40	<>	26.84	0.00	10.50	16.34	<50	**95**	**69**	<1.0	<1.0	<1.0	<1.0	<1.0	<10	**4.0**	<2.0	<2.0	

Notes:

MW = Monitoring Well
TOC = Top of casing
DTW = Depth to groundwater
ft bTOC = Feet below top of casing
ft = Feet
bgs = below ground surface
GW Elev = Groundwater elevation
<> = Datum Unknown
µg/L = micrograms per liter
Bold = Value exceeds laboratory practical quantitaion limit (PQL)
<1.0 = Not detected at or above the PQL
-- = Not sampled/not measured
JA = Analyte positively identified but quantitation is an estimate
J = Estimated value between PQL and method detection limit (MDL)
NAVD88 = North American Vertical datum of 1988

TPH-g = Total petroleum hydrocarbons, gasoline range by GC/MS according to United States Environmental Protection Agency (USEPA) Method 8260B
TPH-d = Total petroleum hydrocarbons, diesel range
TPH-j = Total petroleum hydrocarbons, jet fuels
Samples analyzed by USEPA Method 8260B:
Benzene, toluene, ethylbenzene and total xylenes (collectively BTEX)
MTBE = Methyl tert-butyl ether
TBA = Tert-butyl alcohol
DIPE = Di-isopropyl ether
ETBE = Ethyl tert-butyl ether
TAME = Tert-amyl-methyl ether

APPENDIX F

Qualifications

MARK E. SMITH
ENVIRONMENTAL PROFESSIONAL

PROFESSIONAL EDUCATION

University of California, Riverside (UCR), Riverside, CA, B.S. Environmental Science, 1994

CERTIFICATIONS/QUALIFICATIONS

- AHERA Asbestos Inspector
- 40-Hour OSHA HAZWOPER Training
- Certified Technical Writer

SELECTED EXPERIENCE

Mr. Smith has more than 25 years of experience in Phase 1 Environmental Site Assessments (Phase 1 ESAs) and Real Estate Transaction Screens of residential multifamily, commercial, retail, fueling facilities, agricultural and industrial properties throughout the United States for a wide range of financial clients, attorneys and real estate companies.

Mr. Smith has conducted over 2,300 environmental due diligence projects since 1994.

For a national environmental consulting firm, Mr. Smith served as a Senior Project Manager, where he supervised Phase I Environmental Site Assessments on various industrial, commercial, institutional and residential properties. Assessments included limited and comprehensive surveys for asbestos, lead-based paint, lead-in-drinking water and radon gas emissions. He also managed subsurface investigations to determine the presence of contamination in soil and groundwater, prepared and reviewed written reports in formats prescribed by various fiduciary institutions and performed peer reviews on environmental site assessments completed by other environmental firms. He was responsible for review of final reports and QA/QC.

In May 2007, Mr. Smith resigned from the national environmental consulting firm to start Smithmark LLC as an environmental subcontractor to provide Phase 1 ESA report services to existing national, regional and local environmental/engineering firms in need of report services for overflow projects unable to be covered by in-house staff. In February 2016, Mr. Smith dissolved Smithmark LLC and formed The Phase One Group LLC to provide Phase 1 ESA report services to property purchasers, brokers, investors and lenders.

PROFESSIONAL AFFILIATIONS:

- Association of Environmental Professionals, Los Angeles County Chapter, Member

RELEVANT PROJECT EXPERIENCE:

- **Embassy Suites – Glendale, California**

  Performed ESA of a 272-room Embassy Suites hotel facility in Glendale, California.

- **Limoneira Company – Santa Paula, California**

  Performed several ESAs of Limoneira Company corporate headquarters and numerous multi-acre orchards owned and operated by Limoneira Company.

- **Royal Truck Body – Paramount, California**

  Performed ESA of Royal Truck Body, a heavy industrial facility who manufactures truck service bodies. Facility comprised of over 300,000 square feet of manufacturing and assembly space.

- **Bank Branches – Pacific Northwest**

  Performed ESAs of over 20 bank branches throughout Oregon and Washington. ESAs were completed within a four-week period.

- **North DeKalb Mall – Decatur, Georgia**

  Performed ESA of the North DeKalb Mall, a regional shopping mall in Decatur, Georgia.

- **Various Properties – Hawaii**

  Performed ESAs of commercial, retail and residential properties on the islands of Oahu and Kauai, Hawaii.