

APPENDIX E
Hazardous Material Documentation



**Phase I Environmental Site
Assessment
317 to 353 West Gardena
Boulevard, Carson, California**

July 1, 2019

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Sign-off Sheet and Signatures of Environmental Professionals

This document entitled Phase I Environmental Site Assessment was prepared by Stantec Consulting Services Inc. ("Stantec") for the account of CT Realty Investors (the "Client"). The material in it reflects Stantec's professional judgment in light of the scope, schedule and other limitations stated in the document and in the Master Services Agreement ("MSA") between Stantec and the Client. The opinions in the document are based on conditions and information existing at the time the document was published and do not take into account any subsequent changes. In preparing the document, Stantec did not verify information supplied to it by others.

All information, conclusions, and recommendations provided by Stantec in this document regarding the Phase I ESA have been prepared under the supervision of and reviewed by the professionals whose signatures appear below.

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

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Abbreviations

AAI	All Appropriate Inquiry
ACM	Asbestos-containing material
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulation
CREC	Controlled Recognized Environmental Conditions
EP	Environmental Professional
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
FEMA	Federal Emergency Management Agency
ft msl	Feet above mean sea level
HREC	Historical Recognized Environmental Conditions
LBP	Lead-based paint
LUST	Leaking Underground Storage Tank
NESHAP	National Emissions Standard for Hazardous Air Pollutants
PAHs	Polynuclear Aromatic Hydrocarbons
PCBs	Polychlorinated Biphenyls
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Conditions
SWMU	Solid Waste Management Unit
TSCA	Toxic Substance Control Act
USGS	United States Geological Survey
UST	Underground Storage Tank
VEC	Vapor Encroachment Condition
VOCs	Volatile Organic Compounds



Summary
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1.0 SUMMARY

Stantec Consulting Services Inc. (Stantec) has completed a Phase I Environmental Site Assessment (ESA) report of the property located at 317 to 353 West Gardena Boulevard, City of Carson, County of Los Angeles, California (the "Property"), on behalf of CT Realty Investors (the "Client").

The Phase I ESA was conducted in conformance with the requirements of American Society for Testing and Materials (ASTM) Designation E 1527-13, and All Appropriate Inquiry (AAI) as defined by the US-EPA in Title 40 of the Code of Federal Regulations, Part 312, and the MSA, except as may have been modified by the scope of work, and terms and conditions, requested by the Client. Any exceptions to, or deletions from, the ASTM or AAI practice are described in Section 2.3. In the event of any conflict between the terms and conditions of this report and the terms and conditions of the MSA, the MSA shall control.

The Property consists of approximately 6.78 acres of land developed with two residential structures (317 and 325 West Gardena Boulevard), a salvage yard, and fenced vacant lot used for storage of miscellaneous household items (353 West Gardena Boulevard). The Property has a mailing address within the city of Gardena; however, the actual location of the Property is within the city of Carson. Surrounding properties are a mix of commercial and light industrial uses. A Property location map is illustrated on Figure 1. A Property map illustrating the main features of the Property is provided as Figure 2. Photographs taken during the site reconnaissance visit are provided in Appendix A.

During the site reconnaissance, Stantec observed a large amount of household items and miscellaneous parts and machinery associated with the aerospace industry on the salvage yard. A large white cylindrical tank was observed along the southern property boundary and was described as a former rotational test facility constructed for the Rockwell Facility in Downey. The salvage yard is reportedly used for storage only and no maintenance and/or dismantling activities or repairs are conducted on the Property.

Groundwater and potentially soil vapor at the subject Property is impacted by the chlorinated solvents tetrachloroethene (PCE) and trichloroethene (TCE) and hexavalent chromium (CrVI) from the adjacent former ANCO Metal Improvement Company (ANCO)/ current Valence Surface Technologies facility (source property). The source property has historically performed anodizing, plating, and painting metal parts for the aircraft and aerospace industry from 1967 through 1994. Coast Plating, LLC (Coast Plating) began anodizing operations at the Site in 1994. The source of chlorinated solvent impacts is reported to be historical operation of a vapor degreaser that utilized chlorinated solvents (PCE and TCE). The vapor degreaser was removed from the source property in 1998 and limited excavation of approximately 110 cubic yards of impacted soil was removed. Hexavalent chromium impacts are presumed to be related to historical plating operations that occurred at the source property. The adjacent off-Site properties are considered the responsible parties (RPs) for the contamination and are actively conducting remediation of impacted soil and groundwater on both the source property and the subject property under the oversight of the Los Angeles Regional Water Quality Control Board (LARWQCB or Regional Board).

Active remedial actions related to the chlorinated solvent release, including soil vapor extraction (SVE), groundwater monitoring and groundwater extraction (also described as pump and treat) are currently being performed on both the source and subject properties. The remediation system includes numerous soil



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vapor and groundwater monitoring and extraction wells, including four (4) groundwater extraction wells (GE-6, GE-7, GE-8 and GE-10) and six groundwater monitoring wells (MW-9A,B,C; MW-9D; MW-11A,B; MW-12C,D; MW-13A,B; and MW-14C,D) that are located on the subject property. An access agreement between the subject property and the responsible parties is in place to allow remediation activities (monitoring and extraction) to be conducted on the subject property. As of 2015, approximately 159 pounds of PCE have been removed from groundwater by the groundwater treatment system, and 162 total pounds have been removed from soil vapor by the SVE treatment system.

Remedial actions are ongoing at both the source and subject properties. According to the Second Half 2018 Groundwater Monitoring and Groundwater/Soil-Vapor Extraction System Operations Report prepared by Leymaster Environmental Consulting, Inc. (LEC), groundwater analytical data collected from on-site and off-site groundwater monitoring and extraction wells indicate that the contaminant mass is being reduced by remedial activities at the source property. Historic depth-to-water measurements indicate that the groundwater treatment system has created and maintained a groundwater depression beneath the source property and extends down-gradient beneath the subject property. The groundwater extraction and resulting depression of the groundwater table appears to have resulted in drawing in a gasoline plume from an unknown source into groundwater beneath the subject property, as previously unreported concentrations of gasoline constituents, including methyl-tert butyl ether (MTBE) and tert-butyl alcohol (TBA), began appearing in extraction well GE-6 (located on the subject property) in 2018. Gasoline constituents have also been reported in subject property wells (MW-9A and MW-11A,B). As a result of the appearance of gasoline constituents in wells beginning in 2018, extraction well GE-6 was subsequently shut-down to prevent further influx of gasoline constituents into the treatment system. The source of the gasoline impacts is unknown, but LEC has identified the following UST facilities within 1,000-feet of the subject property that could be potential sources:

- S&M Service Station (Global ID No. T0603701287)
- Rocket #3 (Global ID No. T0603701285)
- Andrew M. Martin Co., Inc. (Global ID No. T10000005859)

The soil-vapor extraction system continues to remove small amounts of PCE vapors from the subsurface at the source property in each of the eight operating vapor extraction wells. However, as SVE mass removal rates have decreased to approximately 0.01 pounds of PCE per 24 hours of operation during the First Half 2018, LEC shut down the SVE system for a 90-day vapor rebound test. LEC planned to submit a formal vapor-rebound test and confirmation sampling report in the First Quarter 2019, but no record of this submittal was found in the public files. The most recently available groundwater data is presented on Figure 3.

Currently, the Regional Board has approved a work plan for the RPs to install additional groundwater monitoring wells to further evaluate the down gradient limits of the VOC groundwater plume southeast of the subject property on Gardena Boulevard. The Regional Board required a report documenting the well installations by May 20, 2019. The well installations have yet to be conducted and, as a result, a Notice of Violation (NOV) was issued to the Responsible Party (RP) of the source property from the Regional Board on June 20, 2019. In addition, the Regional Board has required the RPs to prepare a work plan to further evaluate hexavalent chromium impacts in soil as a result of slightly elevated CrVI concentrations reported



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in source property monitoring well MW-6. The Work Plan is due to the Regional Board by July 15, 2019. Stantec has not seen the work plan to understand how LEC plans on addressing these impacts.

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527 of 317 to 353 West Gardena Boulevard, City of Carson, County of Los Angeles, California, or the "Property". Any exceptions to, or deletions from, this practice are described in the Data Gaps section of this report. This assessment has revealed evidence of the following recognized environmental conditions (RECs) in connection with the Property:

- **Historical Agricultural Use.** Stantec's interpretation of historical aerial photographs shows the Property as agricultural land (*i.e.*, trees or planted crops) until circa 1940. Historic agricultural use can be a potential concern due to the possible use of pesticides and herbicides containing heavy metals. Accordingly, Stantec recommends shallow soil samples be collected across the Site to evaluate whether pesticides or the heavy metals arsenic or lead exist in soil above published screening levels.
- **Historical Salvage Yard.** The Site has historically operated as a salvage yard and miscellaneous equipment, automobiles, and various "junk" materials are observed throughout the Site. While no dismantling, maintenance or salvaging operations are currently observed at the Site, these types of operations may have been conducted at the Site. As a result, Stantec recommends a subsurface investigation to screen shallow Site soils for petroleum, volatile organic compounds (VOCs) and metals.
- **Former ANCO Facility.** The existing groundwater and soil-vapor impacts beneath the subsurface of the Property and surrounding vicinity are considered a REC to the Property. Groundwater monitoring and remediation activities are currently ongoing and overseen by the Regional Board. No further assessment of groundwater is recommended; however, there is a potential vapor intrusion concern and redevelopment of the Property may require vapor intrusion mitigation measures. Therefore, Stantec recommends evaluation of soil vapor beneath the Property to determine whether vapor intrusion mitigation measures will be necessary for Site redevelopment.

Stantec identified the following non-ASTM issues at the Property:

- **ACM and LBP.** Given the age of the existing buildings on the Property (circa 1950s), the presence of lead-based paint (LBP) and asbestos containing materials (ACMs) is considered likely. Stantec recommends conducting a comprehensive, pre-demolition LBP and ACM survey in accordance with the sampling protocol of the Asbestos Hazard Emergency Response Act (AHERA) prior to any activities with the potential to disturb building materials to determine whether ACM are present. Further, in the event ACM is detected, Stantec recommends proper removal and disposal of the materials identified prior to any activities with the potential to disturb them.

The preceding summary is intended for informational purposes only. Reading of the full body of this report is recommended.



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2.0 INTRODUCTION

The objective of this Phase I ESA was to perform All Appropriate Inquiry (AAI) into the past ownership and uses of the Property consistent with good commercial or customary practice as outlined by the ASTM in “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process”, Designation E1527-13. “All Appropriate Inquiry” (AAI) is the process for evaluating a property’s environmental conditions for the purpose of qualifying for landowner liability protections under CERCLA, following final rule of Part 312 of Title 40, Code of Federal Regulations (40 CFR Part 312). The purpose of this Phase I ESA was to identify, to the extent feasible, adverse environmental conditions including recognized environmental conditions (“RECs”) of the Property.

The ASTM E1527-13 standard indicates that the purpose of the Phase I ESA is to identify RECs, including historical recognized environmental conditions (“HRECs”), and controlled recognized environmental conditions (“CRECs”) that may exist at a property. The term “recognized environmental conditions” means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property:

1. Due to any release to the environment;
2. Under conditions indicative of a release to the environment; or
3. Under conditions that pose a material threat of a future release to the environment.

ASTM defines a “HREC” as a REC that has occurred in connection with a property but has been addressed to the satisfaction of the applicable regulatory authority and meets current unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (e.g., property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a HREC, the environmental professional (EP) must determine whether the past release is a REC when the current Phase I ESA is conducted (e.g., if there has been a change in the regulations). If the EP considers the past release to be a REC at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a REC.

ASTM defines a “CREC” as a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (e.g., as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), but with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (e.g., property use restrictions, activity and use limitations, institutional controls, or engineering controls).

As defined by ASTM, RECs can include hazardous substances or petroleum products present under conditions in compliance with laws if that presence represents a material threat of future release. The presence of hazardous substances or petroleum products is, however, not a REC if that presence is a *de minimis* condition. *De minimis* conditions are minor occurrences of contamination that generally do not present a material risk to human health and would not likely be subject to enforcement action if brought to the attention of governmental agencies.



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The scope of work conducted during this Phase I ESA consisted of a visual reconnaissance of the Property, interviews with key individuals, and review of reasonably ascertainable documents. The scope of work did not include an assessment for environmental regulatory compliance of any facility ever operated at the Property (past or present), or sampling and analyzing of environmental media. Stantec was not contracted to perform an independent evaluation of the purchase or lease price of the Property and its relationship to current fair market value. The conclusions presented in this Phase I ESA report are professional opinions based on data described herein. The opinions are subject to the limitations described in Section 2.3.

ASTM E1527-13 notes that the availability of record information varies from source to source. The User or Environmental Professional is not obligated to identify, obtain, or review every possible source that might exist with respect to a property. Instead, ASTM identifies record information that is reasonably ascertainable from standard sources. "Reasonably ascertainable" means:

1. Information that is publicly available;
2. Information that is obtainable from its source within reasonable time and cost constraints; and
3. Information that is practicably reviewable.

2.1 PROPERTY DESCRIPTION

The Property consists of approximately 6.78 acres of land developed with two residential structures (317 and 325 West Gardena Boulevard), a salvage yard, and fenced vacant lot used for storage of miscellaneous household items (353 West Gardena Boulevard). The Property has a mailing address within the city of Gardena; however, the actual location of the Property is within the city of Carson. Surrounding properties are a mix of commercial and light industrial. A Property location map is illustrated on Figure 1. A Property map illustrating the main features of the Property is provided as Figure 2. Photographs taken during the site reconnaissance visit are provided in Appendix A.

2.2 SPECIAL TERMS, CONDITIONS, AND SIGNIFICANT ASSUMPTIONS

There were no special terms, conditions, or significant assumptions associated with this Phase I ESA.

2.3 EXCEPTIONS AND LIMITING CONDITIONS

This report documents work that was performed in accordance with the MSA. No other representations, warranties or guarantees are made concerning the accuracy or completeness of the data or conclusions contained within this report.

This report provides an evaluation of specified environmental conditions associated with the identified property that was assessed at the time the work was conducted and is based on information obtained by and/or provided to Stantec at that time. 40 CFR 312.20(f)(2) requires that the Environmental Professional evaluate the thoroughness and reliability of provided information. Stantec can neither warrant nor guarantee such thoroughness or reliability, however.



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Conclusions made within this report consist of Stantec's professional opinion as of the time of the preparation of this report and are based solely on the scope of work described in the report, the limited data available and the results of the work. They are not a certification of the property's environmental condition.

Project Specific limiting conditions are provided in Section 2.2.

The conclusions are based on the site conditions encountered by Stantec at the time of the work. Accordingly, additional studies and actions may be required. The identification of non-environmental risks to structures or people on the Property is beyond the scope of this assessment.

Stantec specifically disclaims any responsibility to update the conclusions in this report if new or different information later becomes available or if the conditions or activities on the property subsequently change.

2.4 PERSONNEL QUALIFICATIONS

This Phase I ESA was conducted by, or under the supervision of, an individual that meets the ASTM definition of an Environmental Professional (EP). The credentials of the EP and other key Stantec personnel involved in conducting this Phase I ESA are provided in Appendix B.



User-Provided Information
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3.0 USER-PROVIDED INFORMATION

ASTM E1527-13 describes responsibilities of the User to complete certain tasks in connection with the performance of “All Appropriate Inquiries” into the Property. The ASTM standard requires that the Environmental Professional request information from the User on the results of those tasks because that information can assist in the identification of RECs, CRECs, HRECs, or *de minimis* conditions in connection with the Property. To accomplish that, Stantec requested that the User provide the following documents and information:

Description of Information	Provided (Yes / No)	Description and/or Key Findings
User Questionnaire and/or Interview	Yes	The user is aware of existing remediation wells on the Property that are associated with the ANCO Metals groundwater contamination and remediation. The Property Owner was identified as The Iskenderian Family Gardena Properties LLC.
Environmental Liens or Activity Use Limitations	N/A	No environmental liens or activity use limitations were identified in the Preliminary Title Report dated May 3, 2019.
Previous Environmental Permits or Reports Provided by User	No	The user reportedly does not possess any of these documents.
Purpose of the Phase I ESA	Yes	Due Diligence

Stantec requested information relevant to performance of this Phase I ESA with a written questionnaire submitted to the user of this report. A copy of the User Questionnaire completed by Mr. Marc Belluomini, Executive Vice President of Operations and Asset Management for CT Realty, and is provided in Appendix C.

3.1 SPECIALIZED KNOWLEDGE OR EXPERIENCE

The Federal AAI rule (40 CFR §312.28) and ASTM E1527-13 require that all appropriate inquiry must take into account relevant and applicable specialized knowledge and experience on the part of the User regarding the Property, the area surrounding the Property, the conditions of adjoining properties, and any other experience relevant to identifying RECs on the Property.

An access agreement between the source property RPs and subject property is reportedly in place to allow the RPs to conduct remediation and monitoring activities on the subject property. Stantec has not been provided with a copy of the access agreement, but special consideration should be given regarding any limitations the access agreement may have on future Site development.



3.2 PURCHASE PRICE VS. PROPERTY VALUE

The Federal AAI rule (40 CFR §312.29) and ASTM E1527-13 require that persons seeking defense to or protection from liability under CERCLA must take into account the relationship of the purchase price to the fair market value of the Property if it were not contaminated to assess whether or not the differential is due to the presence of releases or threatened releases of hazardous substances. This portion of the inquiry is the responsibility of the User, and the User has the option of sharing or not sharing this information with the Environmental Professional performing the Phase I ESA.

Stantec has not performed an independent evaluation of the purchase price of the Property and its relationship to fair market value. Stantec submitted a written questionnaire to the User inquiring about the User's knowledge regarding the relationship of the purchase price to the fair market value of the property if it were not contaminated.

Mr. Belluomini believes the purchase price being paid for the Property reasonably reflects the fair market value.



Records Review
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4.0 RECORDS REVIEW

The objective of consulting historical sources of information is to develop the history of the Property and surrounding area and evaluate if past uses may have resulted in RECs. Physical setting records are evaluated to determine if the physical setting may have contributed to adverse environmental conditions in connection with the Property. During the review of historical records, Stantec attempted to identify uses of the Property from the present to the first developed use of the Property. Stantec’s research included the reasonably ascertainable and useful records described in this section.

4.1 PHYSICAL SETTING

A summary of the physical setting of the Property is provided in the table below with additional details in the following subsections

Topography:	The Property is relatively flat with an elevation of approximately 43 feet above mean sea level (amsl) with a general topographic gradient to the west-southwest (EDR, 2019).
Soil/Bedrock Data:	Surface sediments in the vicinity of the Property are reportedly comprised of unconsolidated marine and continental gravel, sand, sandy silt, silt, clay and shale pebbles. Lakewood Formation sediments reportedly extend 70 to 90 feet below ground surface (bgs).
Estimated Depth to Groundwater/ Estimated Direction of Gradient:	Groundwater in the vicinity of the Property is reported at a depth of approximately 40 to 42 feet bgs with a groundwater flow direction to the east-southeast; however, remedial groundwater extraction has resulted in a cone of depression beneath the Site and vicinity, resulting in localized variations in groundwater flow direction.
<p>NOTE: Site-specific groundwater flow direction and depth can only be determined by conducting site-specific testing, which Stantec has not conducted.</p>	

4.1.1 Property Topography and Surface Water Flow

The Property is relatively flat at an elevation of approximately 43 feet above mean sea level (amsl) with a general topographic gradient to the west-southwest (EDR, 2019). Based on the topography, surface water on the Property infiltrates the ground surface or flows overland into the curb and gutter system along West Gardena. The Dominguez Channel is located approximately one mile to the southwest of the Property.

4.1.2 Regional and Property Geology

The Property is located in the Los Angeles Basin within the Peninsular Ranges Geomorphic Province of southern California, which includes northwest-southeast trending series of mountainous ridges and peaks that have been developed by the San Andreas Fault System (California Division of Mines and Geology



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[CDMG], 1969). The stratigraphy underlying the Property consists primarily of recent-age marine and non-marine clastic rock units interbedded with alluvium sediments (CDMG, 1969).

Part of the central sub-basin of the coastal plain, the regional geology is shaped by local geological fault systems creating associated folded rocks and uplifts. According to official maps of California, the Property is not located within an Alquist-Priolo (AP) Earthquake Fault Zone boundary nor within a liquefaction zone (DOGGR, 2018).

According to a January 17, 2019 *Supplemental Characterization Report* prepared by Braun Intertec for the CPI Carson Facility located approximately 230 feet to the west, surface sediments are comprised of unconsolidated marine and continental gravel, sand, sandy silt, silt, clay and shale pebbles. Lakewood Formation sediments reportedly extend 70 to 90 feet below ground surface (bgs).

4.1.3 Regional and Property Hydrogeology

The Property is located within the West Coast sub-basin of the Coastal Plain of Los Angeles Basin, which underlies most of the area between the Dominguez gap of the Los Angeles River to the Alamitos gap of the San Gabriel River to the San Pedro Bay. The basin is constrained by the Ballona Escarpment to the north, Newport-Inglewood fault zone to the east, and the Pacific Ocean and consolidated rocks on the south and west (Department of Water Resources [DWR], 2004). The basin consists of alluvial sediments and marine water-bearing sediments (DWR, 2004).

According to a January 17, 2019 *Supplemental Characterization Report* prepared by Braun Intertec for the CPI Carson Facility located approximately 230 feet to the west, groundwater in the vicinity is reported at a depth of approximately 40 to 42 feet bgs with a groundwater flow direction for the area to be to the east-southeast.

4.2 FEDERAL, STATE AND TRIBAL ENVIRONMENTAL RECORDS

A regulatory agency database search report was obtained from Environmental Data Resources, Inc. (EDR), a third-party environmental database search firm. A complete copy of the database search report, including the date the report was prepared, the date the information was last updated, and the definition of databases searched, is provided in Appendix D.

Stantec evaluated the information listed within the database relative to potential impact to the Property, assessing the potential for impacts based in part on the physical setting. As part of this process, inferences have been made regarding the likely groundwater flow direction at or near the Property. As described in 4.1.3, the inferred shallow groundwater flow direction is likely to be to the east with a southeastward component. Observations about the Property and surrounding properties made during the Property reconnaissance are provided in more detail in Section 5.

4.2.1 Listings for Property

The Property address of 333 West Gardena Boulevard, Carson, CA 90248 was identified as Mike Cain in the HAZNET environmental database for the disposal of 5.32 tons of unspecified oil-containing waste in



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2015. No violations or additional information regarding the waste disposal was provided by EDR or available online.

The Property address of 321 West Gardena Boulevard, Gardena, CA 90247 was identified as Zuron Industries Inc. in the Los Angeles Co. HMS and SWEEPS UST environmental databases. No additional information regarding the environmental listings was provided by EDR or available online; therefore, Stantec was unable to confirm if there was a former underground storage tank on the Property. Also, based on the address listing in the city of Gardena, this listing was likely misidentified by EDR as the Subject Property. However, should an underground storage tank be discovered during grading activities, Stantec should be contacted and the underground storage tank should be removed in accordance with regulatory requirements.

4.2.2 Listings for Nearby Sites with Potential to Impact Property

Stantec assessed data presented in the environmental agency database search report to evaluate the potential for conditions on adjacent and nearby sites to pose a REC, CREC, or HREC for the Property. The evaluation included an opinion of the potential for contamination by hazardous substances or petroleum products to migrate to the Property from a nearby property, including by vapor migration or encroachment (i.e., potential for a vapor encroachment condition [VEC].

Based on this evaluation, the following individual facilities were identified as the most likely potential sources of impact to the Property. The basis for why each of the following listed databases creates a REC for the property is also provided.

Listed Facility Name/Address	Database Listing	Distance/Direction from Property	REC? (YES / NO)
Coast Plating, Inc. / Anco Metal Improvements 417 West 164 TH Street Gardena, CA 90248	RCRA-LQG; CPS-SLIC; HIST CORTESE; ENVIROSTOR; NPDES; CIWQS	Adjacent to the west-northwest	Yes
<p>The former ANCO Metal Improvement Company (ANCO) facility (source property) is located adjacent to the west-northwest and was constructed in 1967. The facility performed anodizing, plating, and painting metal parts for the aircraft and aerospace industry. A vapor degreaser utilizing the chemical compound tetrachloroethene (PCE) was operated at the facility. The vapor degreaser was removed and the impacted soil beneath the degreaser was excavated and disposed of offsite during the first half of 1998. An area approximately 15 feet long by 13 feet wide by 15 feet deep was excavated during February 23 and 24, 1998. Approximately 110 cubic yards of soil were removed from the excavation and shipped offsite for recycling. The adjacent off-Site source properties are considered the responsible parties (RPs) for the contamination and are actively conducting remediation of impacted soil and groundwater on both the source property and the subject property under the oversight of the Los Angeles Regional Water Quality Control Board (LARWQCB or Regional Board).</p> <p>Groundwater and vapor-extraction systems were installed at the site during August and September 2009 to remediate the detected soil and groundwater impacts by PCE and other volatile organic compounds (VOCs). A no further action ("NFA") determination for soil was issued by the Regional Board in 1999</p>			



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Listed Facility Name/Address	Database Listing	Distance/Direction from Property	REC? (YES / NO)
<p>based on limited soil confirmation samples; however, the soil NFA was rescinded 2008 due to elevated soil vapor readings reported during investigations conducted in 2007. As of 2015, 159 total pounds of PCE had been removed from groundwater by the groundwater treatment system, and 162 total pounds had been removed from soil vapor by the SVE treatment system. Between system start-up on December 15, 2009, and June 30, 2015, approximately 420 pounds of PCE were removed from the groundwater and vapor beneath the source property located west of and immediately adjacent to the subject Property.</p> <p>According to the Subsurface Soil-Vapor Investigation Report prepared by Leymaster Environmental Consulting, Inc. (LEC) dated May 14, 2010, two soil vapor investigations were conducted in 1996 which indicated the presence of elevated concentrations of PCE in soil-vapor samples collected in the vicinity of the vapor degreaser and southcentral portion of the building. The elevated concentrations of PCE were detected at multiple depths down to the groundwater table. In October 2006, 10 groundwater samples and 13 soil-vapor samples were collected on the source property and downgradient (i.e. the Subject Property). PCE was detected in all 13 soil-vapor probes on the Subject Property at concentrations ranging from 0.3 to 21 micrograms per liter (µg/l). On May 13, 2010, ten borings were advanced to 5-feet and converted into soil-vapor probes. Four of these soil vapor probes (LECSV-1; LECSV-2; LECSV-3; and LECSV-4) were located on the Subject Property and included the following detections: one detection of Freon 113 at 0.55 µg/l in LECSV-1-5; one detection of trichloroethene (TCE) at 0.15 µg/l in LECSV-3-5; and PCE in all soil vapor probes at concentrations ranging from 5.5 to 0.56 µg/l. Reported concentrations of TCE and PCE exceed commercial/ industrial modified indoor air screening levels (MIASLs; 0.03 attenuation factor) of 0.1 ug/l and 0.067 ug/L, respectively.</p> <p>According to the Second Half 2018 Groundwater Monitoring and Groundwater/Soil-Vapor Extraction System Operations Report prepared by Leymaster Environmental Consulting, Inc. (LEC), historic depth-to-water measurements indicate that the groundwater treatment system has created and maintained a groundwater depression beneath the facility and extends beneath the adjacent down-gradient property (the Subject Property). Groundwater analytical data collected from on-site and off-site groundwater monitoring wells and extraction wells indicate that the contaminant mass is being reduced by remedial activities at the source and subject properties. The soil-vapor extraction system continues to remove small amounts of PCE vapors from the subsurface at the source property in each of the eight operating vapor extraction wells. However, as the vapor extraction systems (VES) was only removing approximately 0.01 pounds of PCE per 24 hours of operation during the First Half 2018, LEC shut down the VES for a 90-day vapor rebound test. LEC planned to submit a formal vapor-rebound test and confirmation sampling in the First Quarter 2019; however, no report is available on Geotracker. Figure 3 shows the second half 2018 concentrations of PCE and TCE in groundwater in the vicinity of the Property.</p> <p>Copies of the most recent reports are provided in Appendix E.</p> <p>The existing groundwater and soil-vapor impacts beneath the subsurface of the Property and surrounding vicinity are considered a REC to the Property. Groundwater monitoring and remediation activities are currently on-going by the RPs and overseen by the Regional Water Quality Control Board. Given the number of actively monitored wells on the subject property, no further assessment of groundwater is recommended on the subject Property; however, given the previously reported MIASL exceedances</p>			

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Listed Facility Name/Address	Database Listing	Distance/Direction from Property	REC? (YES / NO)
historically reported in Site soil vapor (see above), there is a potential vapor intrusion concern and redevelopment of the Property may require vapor intrusion mitigation measures. Stantec recommends further evaluation of soil vapor conditions beneath the Property to determine appropriate vapor intrusion mitigation measures.			
Valence Surface Technologies 417 164 TH Street Carson, CA 90248	CPS-SLIC	Adjacent to the west-northwest	Yes
Valence Surface Technologies is the current operator of the former ANCO facility discussed above. Elevated levels of total chromium have been detected in groundwater extraction well GE-1 which is located adjacent to Valence's chrome anodizing process and secondary containment area. Groundwater is pumped from GE-1 and other wells into a wastewater treatment system that subsequently discharges to the sanitary sewer. Total chromium levels in the effluent from the groundwater treatment system have been below discharge limits for the Industrial Wastewater permit held by ANCO; however, total chromium results in the influent have exceeded the California Maximum Contaminant Level (MCL) for total chromium of 0.05 µg/l. Chromium levels have been steadily decreasing since the maximum concentrations was measured in October 2015.			
According to the November 2018 groundwater monitoring event, the groundwater monitoring well (MW-6) located along the eastern perimeter of the source property had a detection of hexavalent chromium of 0.060 milligrams per liter (mg/l) and total chromium of 0.073 mg/l. The detection of hexavalent chromium detection is above the California regulatory limits of 0.005 mg/l. As a result of this elevated detection, the Regional Board has required the RPs to prepare a work plan to further evaluate hexavalent chromium impacts in soil as a result of slightly elevated CrVI concentrations reported in source property monitoring well MW-6. The Work Plan is due to the Regional Board by July 15, 2019. Stantec has not seen the work plan to understand how LEC plans on addressing these impacts.			
The hexavalent chromium impacts on the adjacent Property are considered a REC. Stantec however does not recommend collecting additional soil and groundwater samples along the western Property boundary to evaluate if there are any hexavalent chromium impacts on the Property as the RPs have been ordered to perform additional assessment by the Regional Board. Stantec does, however, recommend reviewing the assessment and remediation data collected by LEC to ensure the chromium impacts are being addressed to the satisfaction of the Regional Board.			
ERA Products 354 W Gardena Blvd Carson, CA 90247	SWEEPS UST; LOS ANGELES CO. HMS	Approximately 34 feet to the west-southwest	No
The SWEEPS UST listing was dated June 30, 1989 with no additional information provided by EDR. The Los Angeles Co. HMS was listed as removed. Due to lack of a reported release or violation, this facility is not considered a REC.			
Vision Inc. 16205 S Broadway	RCRA-SQG; FINDS; ECHO; HAZNET	Approximately 176 feet to the north	No



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Listed Facility Name/Address	Database Listing	Distance/Direction from Property	REC? (YES / NO)
Gardena, CA			
The facility is listed as a small quantity generator of hazardous waste including photo-chemicals with no reported violations. Due to lack of a reported release or violation, this facility is not considered a REC.			
Decore Plating 434 West 164 th Street Gardena, CA	ENVIROSTOR; RCRA-SQG; FINDS; ECHO; HAZNET; LOS ANGELES CO. HMS	Approximately 367 feet to the west	No
The facility is listed as a small quantity generator of hazardous waste including cadmium, chromium, silver, and spent stripping/cleaning bath solutions from electroplating operations with no reported violations. Due to lack of a reported release or violation, this facility is not considered a REC.			

The remaining listings in the database search report provided in Appendix D do not constitute a REC for the Property. Given the ongoing remediation and cleanup activities currently being performed under the oversight of the Regional Board, Stantec recommends no further investigation regarding any of those listings.

4.3 LOCAL/REGIONAL ENVIRONMENTAL RECORDS

Stantec checked the following sources to obtain information pertaining to Property use and/or indications of RECs in connection with the Property:

4.3.1 Division of Oil, Gas, and Geothermal Resources, Division 1

Agency Name Contact Information	Finding
Division of Oil, Gas, and Geothermal Resources, Division 1, Department of Conservation 5816 Corporate Avenue, Suite 200 Cypress, CA 90630 Online database: http://www.conservation.ca.gov/dog/Pages/WellFinder.aspx	Stantec searched for oil wells on the Division of Oil, Gas, and Geothermal Resources (DOGGR) online database. There are no oil wells on the Property. The nearest oil well is a plugged oil well located approximately 1,381 feet to the southwest.

4.3.2 Fire Department



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Agency Name Contact Information	Finding
County of Los Angeles Fire Department 1320 N. Eastern Ave Los Angeles, CA 90063 323-890-4045 hhmdpra@fire.lacounty.gov	The County of Los Angeles Fire Department does not have any records for the Property addresses.

4.3.3 California Regional Water Quality Control Board (CRWQCB)

Agency Name, Contact Information	Findings
California State Water Resources Control Board, Los Angeles (RWQCB) 320 W 4 th Street, Suite 200 Los Angeles, CA 90013 (213) 576-6600	Stantec researched the online database Geotracker managed by this agency (geotracker.waterbarods.ca.gov). No records were found on the database website for the Property address. Records available for the adjacent properties to the west are discussed in Section 4.2.2 above.



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4.3.4 Department of Toxic Substances Control (DTSC)

Agency Name Contact Information	Finding
Department of Toxic Substances Control (DTSC) 5796 Corporate Ave., Cypress, CA 90630 www.envirostor.dtsc.ca.gov/public	According to a letter dated February 19, 2019, the DTSC does not have any records for the Property address. Additionally, Stantec researched the online database Envirostor managed by this agency (envirostor.dtsc.ca.gov). No records were found on the database website for the Property address.

4.3.5 Local Building and/or Planning Department Records

Agency Name, Contact Information	Findings
Los Angeles County Department of Building and Safety Online database: http://ladpw.org/bsd/content/	The Los Angeles County Department of Building and Safety provides building permit services for the City of Carson. Stantec searched for available documents for the Property addresses on the Department of Public Works online building permit viewer. No records were available.

4.3.6 Los Angeles County Department of Public Works

Agency Name Contact Information	Finding
Los Angeles County Department of Public Works (DPW) Environmental Programs Division UST Program 900 South Fremont Avenue, 3 rd Floor Alhambra, California Tel: (626) 458-3517 http://ladpw.org/epd/CleanLA/OpenFileReview.aspx	According to an email dated February 14, 2019, from Mr. David Coscia, Program Manager II with the Los Angeles County Department of Public Works, there are no records for the Property addresses. Stantec also research the Solid Waste Management System database managed by this agency (https://dpw.lacounty.gov/epd/swims/OnlineServices/search-methane-hazards-esri.aspx) to determine if methane mitigation is required for the Property. According to this database, the Property is not within 300 feet of an oil or gas well or 1,000 feet of a methane producing site. Therefore, no additional assessment of methane appears necessary.



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4.4 HISTORICAL RECORDS REVIEW

4.4.1 Land Title Records/Deeds

No environmental liens or activity use limitations were identified in the Preliminary Title Report dated May 3, 2019. Stantec identified no environmental liens or activity and use limitations in any other research performed, including review of the EDR report.

4.4.2 Aerial Photographs

Stantec reviewed historical aerial photographs provided by EDR. The general type of activity on a property and land use changes can often be discerned from the type and layout of structures visible in the photographs. However, specific elements of a facility's operation usually cannot be discerned from aerial photographs alone. Copies of the reviewed aerial photographs are provided in Appendix F. The following table summarizes Stantec's observations of the reviewed historical aerial photographs.

Year	Scale	Observations, Property and Adjoining Properties
1928	1=500'	The eastern and western portions of the Property are developed with small residential structures and sheds. A large vacant lot appears in the center and northern portions of the Property. West Gardena Boulevard appears adjacent to the south beyond which are small residential structures and agricultural land. The adjacent land appears to be developed with residential and agricultural land.
1938 1947	1=500'	The eastern and western portions of the Property and adjacent land appear similar to the previous photograph. Agricultural usage (i.e. possibly trees or planted crops) appears in the center of the Property.
1952 1963	1=500'	The southeastern portion of the Property appears to be developed with the current residential structures and storage buildings. The center of the Property appears to be vacant land. Residential structures also appear in the southwestern corner of the Property. The adjacent property appears similar to the previous photographs.
1970	1=500'	The Property appears similar to the previous photograph. Commercial/industrial properties appear adjacent to the west, north, northeast, and to the south beyond West Gardena Boulevard.
1977	1=500'	Residential structures remain in the southern portion of the Property. Small vehicles appear in the central portion of the Property. Additional commercial properties appear to the east.
1981	1=500'	The northern and central portion of the Property appear to be used for a salvage yard with small pieces of equipment scattered. Additional commercial properties appear on the adjacent properties.
1984 1994 2002 2005 2009 2012	1=500'	The Property and surrounding area appear similar to the previous aerial photographs. Additional pieces of equipment appear throughout the salvage yard.



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Year	Scale	Observations, Property and Adjoining Properties
2016	1=500	The residential structures in the southwestern corner were demolished. The remainder of the Property and surrounding area appear similar to the previous photograph.

Name of aerial photograph source: EDR, 2019

4.4.3 City Directories

Stantec retained a third party (EDR) to research available reverse city directories for the Property, in approximately five-year intervals. A copy of the city directory is provided in Appendix F. The following is a summary of Stantec's review of the city directory listings:

Subject/Adjoining Property	Year	Listed Occupants
Property Address – 317 West Gardena Boulevard	1995	Residential listing
Property Address – 325 West Gardena Boulevard	1964 to 1980	Residential listings
Property Address – 333 West Gardena Boulevard	1964	Gates Mach Shop
Property Address – 333 West Gardena Boulevard	1970	Mann Trucking
Property Address – 353 West Gardena Boulevard	1964 to 2001	Residential listings

Name of city directories and source: EDR, 2019

4.4.4 Historical Fire Insurance Maps

Fire insurance maps were developed for use by insurance companies to depict facilities, properties, and their uses for many locations throughout the United States. These maps provide information on the history of prior land use and are useful in assessing whether there may be potential environmental contamination on or near the Property. These maps, which have been periodically updated since the late 19th century, often provide valuable insight into historical Property uses.

Stantec requested fire insurance maps from EDR; however, no coverage exists for the Property. The Sanborn® Map Search Report indicating “no coverage” is presented in Appendix F.

4.4.5 Historical Topographic Maps

Stantec reviewed historical USGS 7.5-minute Topographic Maps of the Inglewood and Torrance, California Quadrangle (scale 1:24,000) to help identify past Property usage and areas of potential environmental concern.

Stantec identified no RECs in connection with our review of the topographic maps. Copies of the historical maps are provided in Appendix F. The following table summarizes the maps reviewed and our observations.



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Year	Scale	Observations, Property and Adjoining Properties
1896	1:62,500	No structures or indicators of potential RECs were depicted on the map.
1924 1930/1934 1948	1:62,500	Several small structures appear on the southern portion of the Property. Gardena Boulevard appears adjacent to the south. Additional small structures appear along Gardena Boulevard.
1951		The Property and surrounding area are not depicted on the map.
1952 1964	1:24,000	The Property appears to be similar to the previous topographic map. Additional development appears along Gardena Boulevard to the south.
1972 1981	1:24,000	The Property appears to be similar to the previous topographic map. Commercial structures appear to the north and west of the Property and along Gardena Boulevard.
2012	1:24,000	No details are depicted on the map. Roads appear is the current configuration.

Name of maps and source: EDR, 2019

4.4.6 Other Historical Sources

No other historical sources were researched.

4.4.7 Summary of Historical Sources

Stantec's interpretation of historical aerial photographs shows the Property as agricultural land (*i.e.*, trees or planted crops) until circa 1940. Historic agricultural use can be a potential concern due to the possible use of pesticides and herbicides containing heavy metals. Accordingly, Stantec recommended shallow soil samples be collected across the Site to evaluate if pesticides or the heavy metals arsenic or lead exist in soil above published screening levels.

Given the age of the existing buildings on the Property (circa 1950s), the presence of lead-based paint (LBP) and asbestos containing materials (ACMs) is considered likely. Stantec recommends conducting a comprehensive, pre-demolition LBP and ACM survey in accordance with the sampling protocol of the Asbestos Hazard Emergency Response Act (AHERA) prior to any activities with the potential to disturb building materials to determine whether ACM are present. Further, in the event ACM is detected, Stantec recommends proper removal and disposal of the materials identified prior to any activities with the potential to disturb them.



5.0 SITE RECONNAISSANCE

A visit to the Property and its vicinity was conducted by Ms. Alicia Jansen, Associate Scientist with Stantec, on June 25, 2019. Access to the Property was provided by Mr. Joe Smith with Daum Commercial, the real estate broker for the Property Owner. Stantec was accompanied by Mr. Smith during the Property visit. Figure 2 provides information about the Property and adjoining properties and the location of potential areas of environmental concern. Photographs collected during the Property visit are included in Appendix A.

5.1 SITE RECONNAISSANCE METHODOLOGY

The site reconnaissance focused on observation of current conditions and observable indications of past uses and conditions of the Property that may indicate the presence of RECs. The reconnaissance of the Property was conducted on foot and Stantec utilized the following methodology to observe the Property:

- Traverse the outer Property boundary.
- Traverse transects across the Property.
- Traverse the periphery of all structures on the Property.
- Visually observe accessible interior areas expected to be used by occupants or the public, maintenance and repair areas, utility areas, and a representative sample of occupied spaces.

Weather conditions during the visit to the Property were clear and sunny. There were no weather-related Property access restrictions encountered during the reconnaissance visit.

5.2 GENERAL DESCRIPTION

Property and Area Description:	The Property is located northwest of the intersection of South Broadway and West Gardena Boulevard in the city of Carson, County of Los Angeles, California. The Property has a mailing address within the city of Gardena; however, the actual location of the Property is within the city of Carson. Surrounding properties are a mix of commercial and light industrial.
Property Operations.	The Property consists of a salvage yard and residential structures.
Structures, Roads, Other Improvements:	The Property is developed with two residential structures (317 and 325 West Gardena Boulevard), a salvage yard, and fenced vacant lot used for storage of miscellaneous household items (353 West Gardena Boulevard). There are dirt roads in the salvage yard that provide vehicle access to monitoring wells and miscellaneous parts storage on the Property. The residential structures appear in the southern portion.
Property Size (acres):	Approximately 6.78 acres
Estimated % of Property Covered by Buildings and/or Pavement:	20%
Observed Current Property Use/Operations:	Salvage yard and residential.



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Observed Evidence of Past Property Use(s):	None
Sewage Disposal Method (and age):	City of Gardena
Potable Water Source:	Golden State Water Company
Electric Utility:	Southern California Edison.

5.3 HAZARDOUS SUBSTANCES AND PETROLEUM PRODUCTS

The following table summarizes Stantec's observations during the Property reconnaissance.

Observations	Description/Location
Hazardous Substances and Petroleum Products as Defined by CERCLA 42 U.S.C. § 9601(14):	Small amounts of paints, adhesives, and containers that appeared to contain oil were observed in the storage buildings. These materials do not represent a REC; however, the materials should be disposed of in accordance with applicable regulations.
Drums (≥ 5 gallons):	Four unlabeled 55-gallon drums were observed adjacent to the storage building. These drums do not represent a REC; however, the drums should be profiled and disposed of in accordance with applicable regulations.
Strong, Pungent, or Noxious Odors:	None detected.
Pools of Liquid:	None observed.
Unidentified Substance Containers:	None observed.
PCB-Containing Equipment:	Pole mounted transformers were observed along the western and eastern perimeter.
Other Observed Evidence of Hazardous Substances or Petroleum Products:	During the site reconnaissance Stantec observed a large amount of miscellaneous parts and machinery associated with the aerospace industry on the salvage yard. A large white cylindrical tank was observed along the southern property boundary and was described as a former rotational test facility constructed for the Rockwell Facility in Downey. There are two large storage buildings which contain household items, a vintage car, and small machine parts. Two locked conex storage containers are also located in the southern portion of the salvage yard and contain miscellaneous household items for the Property Owner. According to Mr. Joe Smith, the real estate broker for the Property Owner representative, the salvage yard is used for storage only and no maintenance activities or repairs are conducted on the Property. Mr. Smith is not aware of any petroleum products, sumps, aboveground storage tanks, or underground storage tanks on the Property.



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5.4 INTERIOR OBSERVATIONS

Stantec made the following observations during the Property reconnaissance of the building interiors at the Property and/or identified the following information during the interview or records review portions of the assessment:

Observations	Description
Heating/Cooling Method:	None observed.
Surface Stains or Corrosion:	None observed.
Floor Drains and Sumps:	None observed.
Other Interior Observations:	None observed.

5.5 EXTERIOR OBSERVATIONS

Stantec made the following observations during the site reconnaissance of exterior areas of the Property and/or identified the following information during the interview or records review portions of the assessment:

Observations	Description
On-site Pits, Ponds, or Lagoons:	None observed.
Stained Soil or Pavement:	None observed.
Stressed Vegetation:	None observed.
Waste Streams and Waste Collection Areas:	The majority of the Property is used as a salvage yard and large amounts of household debris are scattered throughout.
Solid Waste Disposal:	None observed.
Potential Areas of Fill Placement:	None observed.
Wastewater:	None observed.
Stormwater:	Surface water on the Property infiltrates the ground surface or flows overland into the curb and gutter system along West Gardena Boulevard.
Wells:	There are 10 wells on the Property, including groundwater extraction wells and double and triple-nested wells, which are associated with the on-going monitoring and remediation activities for the adjacent property to the northwest.
Septic Systems:	None observed.
Other Exterior Observations:	None observed.

5.6 UNDERGROUND STORAGE TANKS/STRUCTURES

Existing USTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface patches), which would indicate the presence of USTs, was discovered during the site reconnaissance.
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Former USTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface patches), which would indicate the presence of former USTs, was discovered during the site reconnaissance and no former USTs were known to be present according to Mr. Smith.
Other Underground Structures:	None observed.

5.7 ABOVEGROUND STORAGE TANKS

Existing ASTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface stains), which would indicate the presence of ASTs, was discovered during the site reconnaissance.
Former ASTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface stains), reports, or other evidence of the former presence of ASTs was discovered during this Phase I ESA.

5.8 ADJOINING PROPERTIES

5.8.1 Current Uses of Adjoining Properties

As viewed from the Property and/or from public rights-of-way, Stantec made the following observations about use and activities on adjoining properties:

NORTH	Golden State Water Company
EAST	Commercial/light industrial and residential
SOUTH	West Gardena Boulevard beyond which are a restaurant, commercial, residential, and light industrial buildings.
WEST	An alley beyond which are commercial/light industrial buildings.

5.8.2 Observed Evidence of Past Uses of Adjoining Properties

Observations of adjoining properties providing indications of past use and activities, if any, are described below.

NORTH	None observed.
EAST	None observed.
SOUTH	None observed.
WEST	None observed.

5.8.3 Pits, Ponds or Lagoons on Adjoining Properties

As viewed from the Property and/or from public rights-of-way, Stantec made the following observations about the presence of pits, ponds and lagoons on adjoining properties:

NORTH	None observed.
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EAST	None observed.
SOUTH	None observed.
WEST	None observed.

5.9 OBSERVED PHYSICAL SETTING

Topography of the Property and Surrounding Area:	The Property and surrounding area are relatively flat with a regional topographic gradient to the west-southwest.
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Interviews
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6.0 INTERVIEWS

On June 25, 2019, Stantec interviewed Mr. Joe Smith of Daum Commercial, the real estate broker for the Property Owner, who has been associated with the Property since circa 2015. According to Mr. Smith, the Property Owner uses the Property for storage of equipment from the aerospace industry and other machines/vehicles. Mr. Smith is not aware of a history of vehicle maintenance or equipment repair performed on the Property. Mr. Smith is not aware of any underground storage tanks, sumps, or clarifiers on the Property.



Evaluation
July 1, 2019

7.0 EVALUATION

This section provides a summary overview of or Findings, Opinions, and Conclusions.

7.1 FINDINGS AND OPINIONS

Information gathered from interviews, reviews of existing data, and a property inspection was evaluated to determine if RECs are present in connection with the Property. Based on this information, Stantec made the following findings and developed the following opinions.

- Stantec's interpretation of historical aerial photographs shows the Property as agricultural land (*i.e.*, trees or planted crops) until circa 1940. Historic agricultural use can be a potential concern due to the possible use of pesticides and herbicides containing heavy metals. Accordingly, Stantec recommends shallow soil samples be collected across the Site to evaluate if pesticides or the heavy metals arsenic or lead exist in soil above published screening levels.

The former ANCO Metal Improvement Company (ANCO)/ current Valence Surface Technologies facility (source property) is located adjacent to the west-northwest and the subject of two open cases with the Los Angeles Regional Water Quality Control Board (Regional Board): 1) Valence Surface Technologies (Geotracker Global ID T1000008609); and, 2) Former Anco Metal Improvement Co (Geotracker Global ID SL2041F1507). The facility performed anodizing, plating, and painting metal parts for the aircraft and aerospace industry from 1967 through 1994. Operations are reported to have ceased in 1994 and were not restarted until 1996, when Coast Plating, LLC (Coast Plating) began anodizing operations at the Site. Coast Plating currently owns the property and Valence Surface Technologies is the current Site operator.

Site assessment of this source property has identified groundwater and soil-vapor impacts beneath the subsurface of the subject Property and surrounding vicinity. This impact from the source property is considered a REC to the Property. Groundwater monitoring and remediation activities are currently on-going and overseen by the Regional Board. No further assessment of groundwater is recommended; however, there is a potential vapor intrusion concern and redevelopment of the Property may require vapor intrusion mitigation measures. To this end, Stantec recommends evaluation of soil vapor beneath the Property to evaluate whether vapor intrusion mitigation measures will be necessary for Site redevelopment.

Elevated levels of total chromium have been detected in groundwater extraction well GE-1 at the source property, which is located adjacent to Valence's chrome anodizing process and secondary containment area. The treatment of this detected chromium is by pumping groundwater from GE-1 and other wells into a wastewater treatment system that subsequently discharges to the sanitary sewer. Total chromium levels in the effluent from the groundwater treatment system have been below discharge limits for the Industrial Wastewater permit held by ANCO; however, total chromium results in the influent have exceeded the California Maximum Contaminant Level (MCL) for total chromium of 0.05 µg/l.



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Chromium levels have been steadily decreasing since the system started operation when the maximum concentrations were measured in October 2015. According to the November 2018 groundwater monitoring event, the groundwater monitoring well (MW-6) located along the eastern perimeter had a detection of hexavalent chromium of 0.060 milligrams per liter (mg/l) and total chromium of 0.073 mg/l. The detection of hexavalent chromium detection is above the California regulatory limits of 0.005 mg/l. In correspondence dated, April 10, 2019, the Regional Board required a work plan to further evaluate hexavalent chromium impacts in soil. The Work Plan is due to the Regional Board by July 15, 2019. Stantec has not seen the work plan to understand how LEC plans on addressing these impacts.

- Given the age of the existing buildings on the Property (circa 1950s), the presence of lead-based paint (LBP) and asbestos containing materials (ACMs) is considered likely. Stantec recommends conducting a comprehensive, pre-demolition LBP and ACM survey in accordance with the sampling protocol of the Asbestos Hazard Emergency Response Act (AHERA) prior to any activities with the potential to disturb building materials to determine whether ACM are present. Further, in the event ACM is detected, Stantec recommends proper removal and disposal of the materials identified prior to any activities with the potential to disturb them.

7.2 DATA GAPS

The federal AAI final rule [40 CFR 312.10(a)] and ASTM E1527-13 identify a “data gap” as the lack or inability to obtain information required by the standards and practices of the rule despite good faith efforts by the Environmental Professional or the User.

Any data gaps resulting from the Phase I ESA described in this report are listed and discussed below.

Gap	Discussion
Deletions or Exceptions from Scope of Work Referenced in Section 1.4:	None
Weather-Related Restrictions to Site Reconnaissance:	None
Facility Access Restrictions to Site Reconnaissance:	None
Other Site Reconnaissance Restrictions:	None
Data Gaps from Environmental Records Review:	None
Data Gaps from Historical Records Review:	None
Data Gaps from Interviews:	None
Other Data Gaps:	None



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July 1, 2019

7.3 CONCLUSIONS

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527 of 317 to 353 West Gardena Boulevard, City of Carson, County of Los Angeles, California, or the "Property." Any exceptions to, or deletions from, this practice are described in the Data Gaps section of this report. This assessment has revealed evidence of the following recognized environmental conditions (RECs) in connection with the Property:

- **Historical Agricultural Use.** Stantec's interpretation of historical aerial photographs shows the Property as agricultural land (*i.e.*, trees or planted crops) until circa 1940. Historic agricultural use can be a potential concern due to the possible use of pesticides and herbicides containing heavy metals. Accordingly, Stantec recommends shallow soil samples be collected across the Site to evaluate if pesticides or the heavy metals arsenic or lead exist in soil above published screening levels.
- **Historical Salvage Yard.** The Site has historically operated as a salvage yard and miscellaneous equipment, automobiles, and various "junk" materials are observed throughout the Site. While no dismantling, maintenance or salvaging operations are currently observed at the Site, it is unknown as to whether these types of operations have historically been conducted at the Site. As a result, Stantec recommends that a subsurface investigation be conducted to screen shallow Site soils for petroleum, volatile organic compounds (VOCs) and metals.
- **Former ANCO Facility.** The existing groundwater and soil-vapor impacts beneath the subsurface of the Property and surrounding vicinity are considered a REC to the Property. Groundwater monitoring and remediation activities are currently on-going and overseen by the Regional Board. No further assessment of groundwater is recommended; however, there is a potential vapor intrusion concern and redevelopment of the Property may require vapor intrusion mitigation measures. To this end, Stantec recommends evaluation of soil vapor beneath the Property to evaluate whether vapor intrusion mitigation measures will be necessary for Site redevelopment.

Stantec identified the following non-ASTM issues at the Property:

- **ACM and LBP.** Given the age of the existing buildings on the Property (circa 1950s), the presence of lead-based paint (LBP) and asbestos containing materials (ACMs) is considered likely to be present in Site construction materials. Stantec recommends conducting a comprehensive, pre-demolition LBP and ACM survey in accordance with the sampling protocol of the Asbestos Hazard Emergency Response Act (AHERA) prior to any activities with the potential to disturb building materials to determine whether ACM are present. Further, in the event ACM is detected, Stantec recommends proper removal and disposal of the materials identified prior to any activities with the potential to disturb them.



8.0 NON-SCOPE CONSIDERATIONS

The following ASTM E1527-13 non-scope services were performed as part of this Phase I ESA:

8.1 LEAD-BASED PAINT

Concern for lead-based paint (LBP) is primarily related to residential structures. The EPA's Final Rule on Disclosure of Lead-Based Paint in Housing (40 CFR Part 745) defines LBP as paint or other surface coatings that contain lead equal to or in excess of 1.0 milligram per square centimeter or 0.5 percent by weight.

The risk of lead toxicity in LBP varies based upon the condition of the paint and the year of its application. The U.S. Department of Housing and Urban Development (HUD) has identified the following risk factors:

- The age of the dwelling as follows: maximum risk is from paint applied before 1950.
- There is severe risk from paint applied before 1960.
- There is moderate risk from deteriorated paint applied before 1970.
- There is slight risk from the paint that is intact but applied before 1977.
- The condition of the painted surfaces.
- The presence of children and certain types of households in the building.
- Previously reported cases of lead poisoning in the building or area.

Given the Property consists of greenhouses and residential structures that were built is circa 1950, LBP is considered likely to be present in construction materials. Accordingly, as recommended above, Stantec recommends that a pre-demolition survey of the building materials be completed prior to Site demolition activities. All LBP should be removed from the Property for off-site disposal, in accordance with all applicable laws, prior to any activities with the potential to disturb painted surfaces.

8.2 ASBESTOS

Asbestos can be found in many applications, including sprayed-on or blanket-type insulation, pipe wraps, mastics, floor and ceiling tiles, wallboard, mortar, roofing materials, and a variety of other materials commonly used in construction. The greatest asbestos-related human health risks are associated with friable asbestos, which is ACM that can be reduced to powder by hand pressure. Friable asbestos can become airborne and inhaled, which has been associated with specific types of respiratory disease. The manufacturing and use of asbestos in most building products was curtailed during the late 1970s.

Stantec makes no warranty as to the possible existence or absence of inaccessible materials or to their evaluation with respect to asbestos content. Samples of suspect ACM should be collected for laboratory analysis of asbestos prior to any renovation or building demolition to be compliant with, EPA National Emission Standard for Hazardous Air Pollutants (NESHAP) regulations.

Given the age of the existing buildings on the Property (circa 1950s), the presence of asbestos containing materials (ACMs) is considered likely. Stantec recommends conducting a comprehensive, pre-demolition ACM survey in accordance with the sampling protocol of the Asbestos Hazard Emergency Response Act



317 TO 353 WEST GARDENA BOULEVARD, CARSON, CALIFORNIA

Non-Scope Considerations

July 1, 2019

(AHERA) prior to any activities with the potential to disturb building materials to determine whether ACM are present. Further, in the event ACM is detected, Stantec recommends proper removal and disposal of the materials identified prior to any activities with the potential to disturb them.

8.3 RADON

Radon is a colorless, tasteless radioactive gas with an EPA-specified action level of 4.0 PicoCuries per liter of air (pCi/L) for residential properties. Radon gas has a very short half-life of 3.8 days. The health risk potential of radon is primarily associated with its rate of accumulation within confined areas near or in the ground, such as basements, where vapors can readily transfer to indoor air from the ground through foundation cracks or other pathways. Large, adequately ventilated rooms generally present limited risk for radon exposure. The radon concentrations in buildings and homes depend on many factors, including soil types, temperature, barometric pressure, and building construction (EPA, 1993).

Stantec reviewed regional data published by the EPA on average indoor radon concentrations in the vicinity of the Property (<http://www.epa.gov/radon/zonemap.html>).

EPA Radon Zones (w/Average Measured Indoor Radon concentrations)		
Zone 1 – High (>4.0 pCi/L)	Zone 2 – Moderate (2 to 4 pCi/L)	Zone 3 – Low (<2 pCi/L)
Normally occupied sub grade areas present? (i.e., basement apartments, offices, stores, etc.)		
None.		

The Property is located in Zone 2 and is considered to have medium potential for radon. None of the three tests from zip code 90248 (the zip code of the Property) were above 4 pCi/L. To determine Property-specific radon levels, a radon survey would have to be conducted. However, based on the average first floor reading of 0.711 pCi/L for Los Angeles County, radon appears to be unlikely to represent an environmental concern to the Property further investigation of indoor radon issues does not appear to be warranted.

8.4 FLOOD ZONES

According to the Physical Setting summary portion of the EDR report, the Property is not located within a 500-year or 100-year flood plain.



317 TO 353 WEST GARDENA BOULEVARD, CARSON, CALIFORNIA

References

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9.0 REFERENCES

American Society for Testing and Materials, 2015, Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions, Designation E 2600-15.

American Society for Testing and Materials, 2013, Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process, Designation: E 1527-13.

California Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOG), 2019, website <http://www.consrv.ca.gov/dog/maps>

_____, Division of Oil, Gas, and Geothermal Resources Well Finder database, 2019, website <https://maps.conservation.ca.gov/doggr/wellfinder/>

Department of Toxic Substances and Control, 2019, website <http://www.envirostor.dtsc.ca.gov/public/>

California Geological Survey (CGS), 2002, California Geomorphic Provinces, Note 36.

_____, 2010a, Fault Activity Map of California, adjustable scale, <http://www.quake.ca.gov/gmaps/FAM/faultactivitymap.html>.

_____, 2010b, Alquist-Priolo Earthquake Fault Zones of California, http://www.quake.ca.gov/gmaps/ap/ap_maps.htm.

Department of Water Resources (DWR), 2004, Groundwater Bulletin 118, updated February 27.

Environmental Data Resources, Inc. (EDR), EDR Radius Map with Geocheck, Inquiry Number 5630209.2s, dated April 23, 2019.

_____, Certified Sanborn Map Report, Inquiry Number 5630209.3, dated April 23, 2019.

_____, Historical Topographic Map Report, Inquiry Number 5630209.4, dated April 23, 2019.

_____, Aerial Photo Decade Package, Inquiry Number 5630209.5, dated April 23, 2019.

_____, City Directory Abstract, Inquiry Number 5630209.6, dated April 23, 2019.

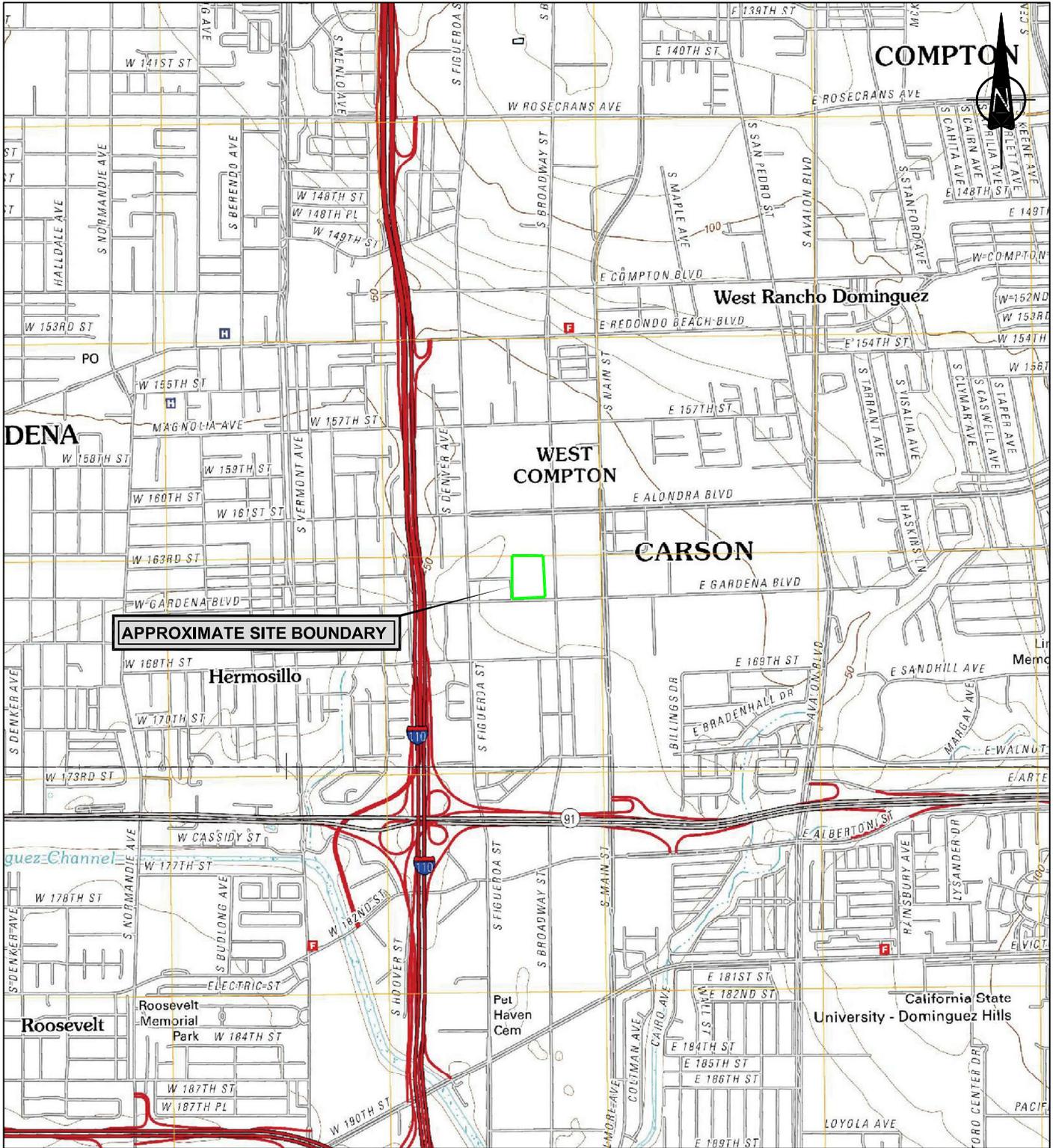
State Water Resource Control Board's Geotracker, 2019, website <https://geotracker.waterboards.ca.gov/>

United States Geological Survey (USGS), 2012, Inglewood Quadrangle, 7.5 Minute Topographic Map, Scale 1 inch = 2,000 feet.



FIGURES



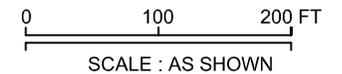


APPROXIMATE SITE BOUNDARY



NOTE: THIS DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO A STANTEC SERVICES INC. REPORT AND MUST NOT BE USED FOR OTHER PURPOSES.

PROPERTY LOCATION MAP PHASE I ESA 333 WEST GARDENA BOULEVARD, CARSON, CA	Project No.: 185804367	Fig. No.: 1	
	Scale: AS SHOWN		
Client: CT REALTY	Date: 19/06/25		
	Dwn. By: CD _{VM} SC2019060036		
	App'd By: KE		



NOTE: THIS DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO A STANTEC CONSULTING LTD. REPORT AND MUST NOT BE USED FOR OTHER PURPOSES.

PROPERTY DETAILS

PHASE I ESA

333 WEST GARDENA BOULEVARD, CARSON, CA

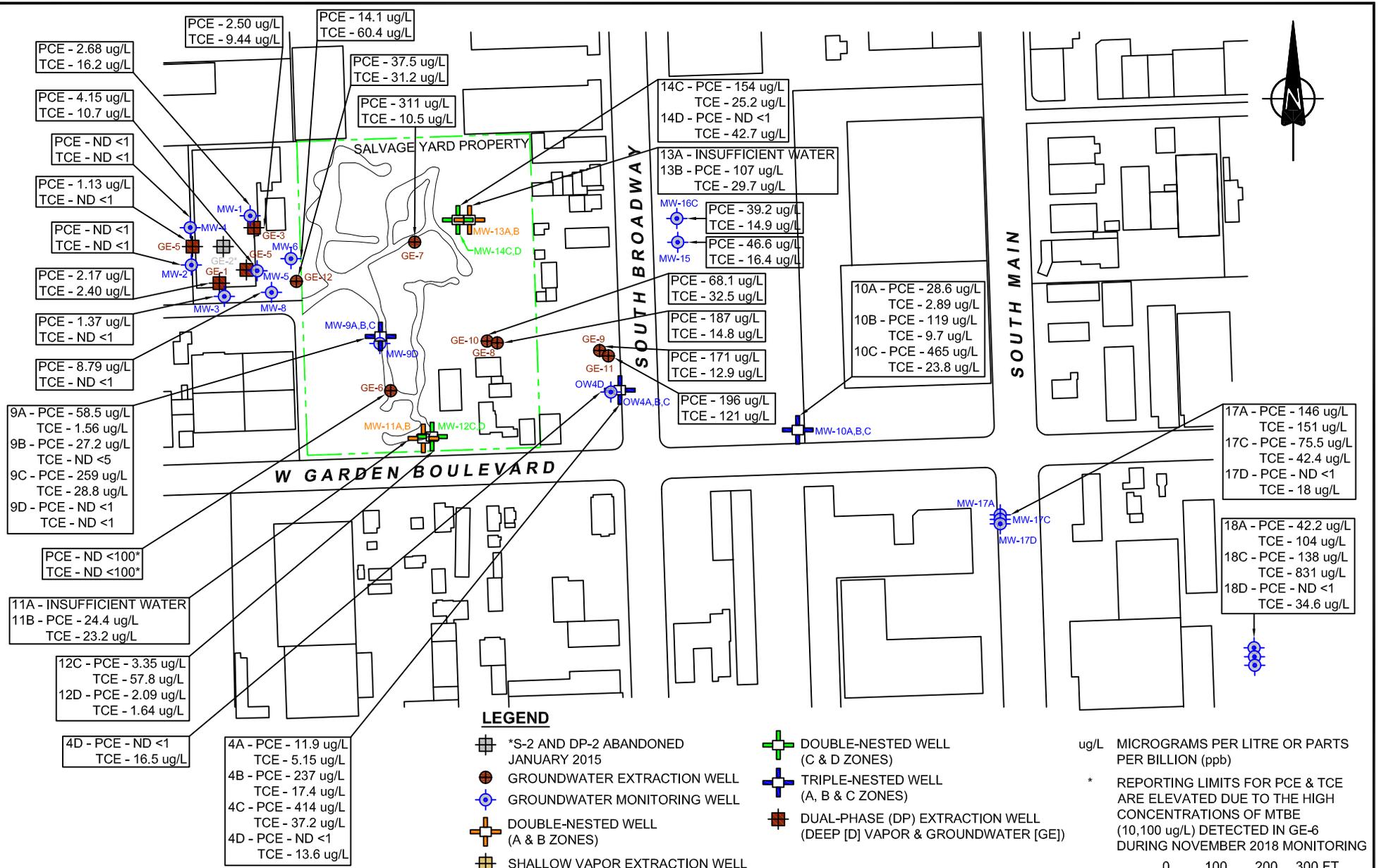
Client: CT REALTY

Project No.:	185804367
Scale:	AS SHOWN
Date:	19/06/25
Dwn. By:	CD _{VM} SC2019060037
App'd By:	KE

Fig. No.:

2





NOTES: 1. FIGURE EXCERPTED FROM LEYMASTER ENVIRONMENTAL CONSULTING, LLC'S SECOND HALF 2018 GROUNDWATER MONITORING REPORT.
2. THIS DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO A STANTEC CONSULTING LTD. REPORT AND MUST NOT BE USED FOR OTHER PURPOSES.

<p>SECOND HALF 2018 GROUNDWATER ANALYTICAL RESULTS FOR PCE & TCE</p> <p>PHASE I ESA</p> <p>333 WEST GARDENA BOULEVARD, CARSON, CA</p> <p>Client: CT REALTY</p>	Project No.: 185804367	<p>Fig. No.:</p> <p>3</p>
	Scale: AS SHOWN	
	Date: 19/06/25	
	Dwn. By: CD _{VM} SC2019060038	
	App'd By: KE	

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APPENDICES



Project No.: 185804367

317 TO 353 WEST GARDENA BOULEVARD, CARSON, CALIFORNIA

Appendix A Photographs of the Property and Vicinity
July 1, 2019

Appendix A Photographs of the Property and Vicinity





Photo #1 View of the vacant lot in the southwestern corner utilized for storage of miscellaneous household items.



Photo #2 View of the southern portion of the salvage yard.



Photo #3 View of the adjacent alley, pole mounted transformers, and commercial/light industrial buildings to the west.



Photo #4 View of the northwestern portion of the salvage yard.



Photo #5 View of two conex storage containers on the southern portion of the salvage yard.



Photo #6 View of monitoring wells MW-9A,B,C and MW-9D on the salvage yard portion of the Property.



Photo #7 View of miscellaneous debris in the northeastern corner of the salvage yard portion of the Property.



Photo #8 View of four unlabeled drums, storage building, and residential structure in the southeastern portion of the salvage yard.



Photo #9 View of miscellaneous debris in the interior of the storage building in the southcentral portion of the Property.



Photo #10 View of small amounts of paints, lubricants, and adhesives on shelves in the storage building in the southern portion of the salvage yard.



Photo #11 View of southern exterior of the residential structure (325 West Gardena Boulevard).



Photo #12 View of southern exterior of the residential structure (317 West Gardena Boulevard).

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Appendix B Stantec Resumes
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Appendix B STANTEC RESUMES



Alicia is an Associate Scientist with over ten years of experience in Phase I and II Environmental Assessments, with strong emphasis in water quality and environmental research. She is experienced in California Environmental Quality Act (CEQA) compliance and the preparation of initial studies. Alicia has managed the preparation of environmental documents, training programs, and environmental compliance during large environmental monitoring projects. Alicia's environmental consulting experience includes performing asbestos and lead-based paint surveys, oversight of contractors during asbestos abatement, hazardous materials surveys, and Phase I Environmental Site Assessments in accordance with the practices identified in the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation E 1527-13.

EDUCATION

BA, Environmental Studies, San Jose State University, San Jose, California, 2004

CERTIFICATIONS & TRAINING

Residential Measurement Provider, 108212, National Radon Proficiency Program, Anaheim, California, 2015

REGISTRATIONS

Certified Asbestos Consultant #CAC #15-5379, State of California Division of Occupational Safety and Health

Lead Related Construction Inspector Assessor #19526, California Department of Public Health

MEMBERSHIPS

Member, Groundwater Resources Association of California

PROJECT EXPERIENCE

Health, Safety & Industrial Hygiene

Confidential Health Care Company, Asbestos, Lead-Based Paint, and Hazardous Materials Survey, Northern California (Staff)

Alicia assisted with site inspections for asbestos, lead-based paint, and hazardous materials at multiple occupied hospitals and office spaces. The scope of work involved sample collection for asbestos and lead-based paint in addition to the quantification of universal wastes (PCBs, mercury containing equipment, refrigerants, etc.) that would require special handling and disposal. She assisted with the preparation of reports summarizing findings.

State of California General Services, Asbestos, Lead-Based Paint, and Hazardous Materials Survey, Northern California (Project Lead)

Alicia assisted with site inspections for asbestos, lead-based paint, and hazardous materials at multiple communication towers in remote areas. The scope of work involved sample collection for asbestos and lead-based paint in addition to the quantification of universal wastes (PCBs, mercury containing equipment, refrigerants, etc.) that would require special handling and disposal. She assisted with the preparation of reports summarizing findings.

Alicia R Jansen CAC, LRCST

Environmental Scientist

Indoor Air Quality Assessments*, San Jose, California (Staff)

Alicia performed site inspections, interviews, and collected air samples to be analyzed for various air pollutants and molds including formaldehyde, penicillium, aspergillus, cladosporium, and stachybotry. She prepared reports summarizing findings and made recommendations.

Veteran's Administration of Puget Sound, Asbestos and Lead-Based Paint Survey, Seattle, Washington (Project Scientist)

Alicia served as the Project Scientist responsible for hazardous building material assessments, specifically asbestos and lead-based paint. These services were required as part of the pre-design tasks for this project. Over 300 samples were collected over the span of four days culminating in a final hazardous building materials report to be incorporated into the facility design as well as demolition activities once the construction phase of the project commences.

Interim Remedial Action, Indoor Air Sampling, and Sub-Slab Soil Gas Sampling, Sunnyvale, California (Staff)

Alicia conducted an indoor air sampling survey using air sampling pumps, dosimeter badges, and flame ionization detector (FID) during a sump excavation. She performs semi-annual sub-slab soil vapor sampling and indoor air quality surveys using summa canisters. She assists with the preparation and submittal of reports summarizing the findings and provides recommendations to the RWQCB.

Lead Dust Assessment and Abatement Oversight, Fremont, California (Project Scientist)

Alicia assisted with the evaluation of lead dust in an industrial facility. A total of 307 dust wipe samples were collected in order to evaluate the potential presence of lead dust throughout the two-story, 500,000 square foot manufacturing building.

Former Tesoro Coke Facility, Asbestos, Lead-Based Paint Survey, Pittsburg, California (Project Scientist)

Alicia assisted with an asbestos and lead paint survey of 20 structures at the facility ultimately scheduled for demolition. More than 200 samples were collected over the span of two days. A report was prepared that will stand up to regulatory scrutiny for demolition while providing the information needed for worker safety during demolition activities at the facility

Permitting, Compliance, Auditing

Tesoro Refinery, Initial Study*, Benicia, California (Staff)

Alicia assisted with the background research and preparation of applicant-prepared initial study for the upgrade of a refinery.

Transmission Line Upgrade*, San Mateo to San Francisco, California (Staff)

Alicia supported the environmental compliance program for the construction of a 27-mile 230 kV underground and overhead transmission line. She assisted with the preparation and submittal of variance requests, extra work space requests, and daily and weekly reports for submittal to the California Public Utilities Commission. She also conducted research and assisted with training and report preparation.

* denotes projects completed with other firms

Alicia R Jansen CAC, LRCST

Environmental Scientist

Remedial Investigations & Assessments

Multiple Confidential Clients, Phase I Environmental Site Assessments (ESA), Multiple Sites, California (Project Lead)

Alicia performs Phase I ESA in accordance with the practices identified in the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation E 1527-13 to achieve compliance with requirements of the "All Appropriate Inquiries" rule required to obtain protection from liability under the federal Comprehensive Environmental Response, Cleanup and Liability Act (CERCLA). Previous sites include large industrial warehouses, multi-tenant commercial buildings, and residential properties. She reviews topographic maps, Sanborn Fire Insurance Maps, and files at local regulatory agencies. She interviews present and former property owners and performed site and adjacent property reconnaissance. She prepares reports summarizing the findings and provides recommendations for further assessment if applicable.

California Department of Transportation Portfolio, Multiple Sites, Northern California (Project Lead)

Alicia prepared quarterly groundwater monitoring reports, subsurface investigation reports, sensitive receptor surveys, and preferential pathway studies for various California Department of Transportation locations throughout northern California. She assisted with the utility locating, work plan preparation, field coordination, archived data onto the State Water Resource Control Board's (RWQCB) Geotracker electronic filing system.

Homebuilder, Soil Gas Sampling and Human Health Risk Assessment, San Jose, California (Project Lead)

Alicia performed a soil vapor survey in conformance with the DTSC, Advisory Active Soil Gas Investigations, using a low-dead volume soil vapor sampling device and a mobile laboratory for onsite chemical analysis. She also assisted with the report preparation summarizing the findings and providing recommendations for further assessment, if applicable.

Goodyear Portfolio, Northern California and Hawaii (Project Lead)

Alicia performed Phase I ESAs and Phase II Site Assessments for various Goodyear Tire & Rubber Company locations throughout California and Hawaii. She assisted with the installation of monitoring wells and exploratory borings; underground storage tank removals; site restoration; product removal with passive recovery system; archived data onto the State Water Resource Control Board's Geotracker electronic filing system; and assisted with the preparation of quarterly groundwater monitoring reports, sensitive receptor surveys, site conceptual models, and subsurface investigation reports.

Brian Viggiano PG

Senior Geologist

Brian is a California Professional Geologist with approximately 10 years of professional experience in the environmental and geotechnical fields. He has performed and managed numerous Environmental Site Assessments (ESAs) for real estate transfers, bank loans, and redevelopment projects. Related sites have included former and active retail petroleum stations, former oil fields, dry cleaners, agricultural sites, plating facilities, landfills, chemical plants, and other industrial facilities. He has also performed site assessment, investigation, characterization, and remedy of soil and groundwater contamination utilizing established and innovative technologies including single and multi-phase extraction, in-site chemical oxidation, pump and treat, electrical resistance heating, and chemical fixation. Brian has also performed geotechnical investigations at proposed school developments and for academic purposes. Projects have included evaluation of active and potentially active faults, seismic evaluations, geophysical surveys, and evaluation of remotely sensed data. His versatility and range of environmental and geotechnical skills have been utilized in all stages of investigation including planning, implementation, site reconnaissance, mapping, surveys, and site inspections during construction, assessment or cleanup to final drafting, illustration, and report preparation.

EDUCATION

40-Hour HAZWOPER Training, OSHA, Los Angeles, California, 2001

8-Hour HAZWOPER Supervisor Training, OSHA, Los Angeles, California, 2006

8-Hour Annual Update Certification, OSHA, Los Angeles, California, 2008

8-Hour Annual Update Certification, OSHA, Los Angeles, California, 2011

B.S. Geology, University of California, Los Angeles, Los Angeles, California, 2000

Geology, Graduate Studies, University of California, Los Angeles, Los Angeles, California, 2002

REGISTRATIONS

Professional Geologist #8386, State of California

PROJECT EXPERIENCE

Environmental Site Remediation

Former Dry Cleaning Facility, Oxnard, California
Brian implemented field investigations designed to evaluate the nature and extent of CVOC contamination to soil and groundwater related to a former dry cleaning facility. The completed investigations and well installations were used to characterize and remedy the site using soil vapor extraction. SVE provided for effective remedy of soil impact and the Site was closed by the Ventura County Department of Environmental Health.

Assessment and Remediation of a Former Communications and Electronics Facility, Mission Viejo, California (Remediation Support)

Brian worked with others to design, implement, and evaluate field investigations designed to support site characterization, risk assessment, and feasibility studies at a facility impacted with CVOCs in soil and groundwater. Investigations included collection and evaluation of indoor air concentrations, and subsurface investigations designed to evaluate site geologic relationships, in addition to soil, soil gas, and groundwater CVOC concentrations in multiple aquifers. Investigations are ongoing to determine the feasibility of several remedial approaches including, ERD, ERH, and MNA.

Role: Remediation Support | Cost: Unknown |
Dates involved: 03/2011-present

Assessment and Remediation of a Former Aerospace Manufacturing Facility, Glendale, California (Remedial Investigations)

Brian performed remedial investigations to support site characterization, feasibility studies (ISCO, ERD, MNA), risk assessment, and implementation of remedial actions at a PRP site in the San Fernando Valley Groundwater Superfund Site involving 1,4-dioxane, CVOCs, and hexavalent chromium. CVOC and 1,4-dioxane were mitigated through a combination of removal action, vapor extraction, and monitored natural attenuation. Hexavalent chromium was treated through a combined program of excavation and in-situ chemical reduction using calcium polysulfide and enhanced biological reduction using emulsified oil and fructose.

Role: Remedial Investigations | Cost: Unknown |
Dates involved: 11/2007-Ongoing

Remedial Groundwater Investigations and Feasibility Studies at a Multi-RP Superfund Site, Nebraska

Brian worked with others to provide environmental engineering services to a group of potentially responsible parties (PRPs) to evaluate the effectiveness of remedial initiatives by assessing residual levels of VOCs in a drinking water supply aquifer. Services included evaluating the capacity of monitored natural attenuation to obtain cleanup goals established under the remedial design (RD)/remedial action (RA) Consent Decree established by the USEPA, through development and implementation of groundwater sampling and analysis programs, aquifer flow testing using tracers and groundwater modeling applications for evaluating VOCs degradation in the aquifer. Brian also helped to design and implement a pilot study to determine the feasibility of using in-situ chemical oxidation (ISCO) to enhance the natural rate of CVOC degradation in suspected source areas.

Chemical Plant Decommissioning and Remediation, Vernon, California (Field Geologist/Site Superintendent)

Brian worked as the field geologist/site superintendent during assessment, below grade demolition, and Remediation of an historical chemical plant located in the City of Vernon, California. Assessment activities consisted of evaluating historical process areas, below grade structures, and settling ponds impacted by high levels of pesticides, heavy metals, and radionuclides (Thorium-232 and Uranium-238). Remediation activities consisted of excavation and off-site disposal of radiological and chemically impacted waste, corrective grading, and capping of residual wastes. The project value was \$8 million.

Brian Viggiano PG

Senior Geologist

Former Open Dump Site, Hopi and Navajo Tribal Lands, Arizona (Field Geologist)

Brian worked as the field geologist at a former open dump site located on Hopi and Navajo Tribal lands. The open dump was reported to have been the source of elevated concentrations of uranium and other radionuclides in groundwater at the site and vicinity. Brian conducted a collaborative multi-week field study with U.S. Geological Survey (USGS) to assess site geological relationships, potential groundwater flow paths and plume limits, and potential for spring and drinking water resources to be impacted by leachate from the open dump. Field work included rock coring, installation of groundwater monitor wells, field mapping, and stratigraphic analysis. Subsequent data analysis included review of comprehensive legacy data and evaluation of landfill leachate tracers (e.g., tritium, and whole rock and leachability data). The investigation is ongoing and is being conducted collaboratively with the USGS, Department of Interior, and Environmental Protection Agency.

Garden Grove Redevelopment Project, Garden Grove, California (Project Geologist)

Brian implemented remedial investigation of petroleum-impacted soil and groundwater. His investigation consisted of soil sampling, installation, and subsequent development and sampling of groundwater monitoring wells. He worked with others to design and implement a complex dual-phase extraction system that included the installation of 45 extraction wells and two soil vapor extraction systems. He completed work under the oversight of the State of California.

Claremont Residential Development, Claremont, California (Project Geologist)

Brian performed a remedial investigation that identified the presence of approximately 9,000 cubic yards of lead impacted fill materials. He designed and implemented corrective grading plan that included the generation of numerous small stockpiles of soil that were statistically characterized and either reused on-site or disposed off-site. Site mitigation was conducted under the oversight of the Los Angeles County Fire Department. The innovative grading approach resulted in client cost savings of \$500,000.

Residential Redevelopment Project, Torrance, California (Project Geologist)

Brian oversaw Remediation of petroleum and solvent contamination that resulted from historical oil field activities overprinted by contamination from a more recent release from a dry cleaning facility. The site was mitigated to residential standards under State of California oversight. Remedial actions included re-abandonment of an on-site oil well and removal of the historical pipeline infrastructure, excavation and on-site bioremediation of petroleum impacted soil, and soil vapor extraction to reduce solvent impact in the vicinity of the former dry cleaners. In addition, at all locations where solvent-impacted soil was recalcitrant to vapor extraction due to the presence of heavy petroleum, a large diameter flight auger was used to drill out residual contamination. The project value was \$750,000.

Brian Viggiano PG

Senior Geologist

Compton Redevelopment Project, Compton, California (Project Geologist)

Brian performed site remedial investigation and cleanup of soil chemically impacted with petroleum, PCBs, chlorinated solvents, and heavy metals including hazardous waste concentrations of lead and groundwater impacted with chlorinated solvents. Mitigation of impacted soil included appropriate remedial excavations and corrective grading plans. Groundwater remedy included SVE with air sparging and in-situ chemical oxidation using potassium permanganate. All work was completed under State of California oversight. The project value was \$2,800,000.

Chlorinated Solvent Remediation, El Centro, California (Project Geologist)

Brian performed site remedial investigation and clean up of chlorinated solvent-impacted soil and groundwater. He designed and implemented feasibility tests which included in-situ chemical oxidation using potassium permanganate and hi-vacuum dual phase extraction. He also designed and implemented final Remediation approach using six-phase electrical resistance heating. The project value was \$1 million.

Kyle has more than 35 years of professional experience—25 of those years with Stantec—providing geotechnical and environmental consulting. During the course of his experience, he has been involved with a wide variety of geological and engineering projects. He has been in direct charge of quality control/quality assurance (QA/QC) work for Stantec and previous firms for geological, engineering geological, and environmental services primarily in California. Additionally, Kyle has been a primary contact for Stantec with many different clients (including multi-party actions) and regulatory bodies involving contracting, workplan approvals, site assessments and closures, permitting, remedial action, and litigation support. With regard to litigation services, Kyle has extensive experience providing expert witness testimony, second-party review, and litigation support and analysis.

Kyle's extensive experience includes assessment and remediation of property-specific and regional issues involving soil and groundwater contaminated with petroleum hydrocarbons, chlorinated solvents, heavy metals, pesticides, and PCBs.

He currently serves as the managing principal geologist in Stantec's Redlands, California office.

EDUCATION

Engineering Geology/Hydrogeology, California State University, Los Angeles, California, 1984

AS, General Science, Crafton Hills College, Yucaipa, California, 1975

BS, Geological Sciences, California State University, Long Beach, California, 1982

REGISTRATIONS

Certified Engineering Geologist #1271, State of California

Professional Geologist #4066, State of California

PROJECT EXPERIENCE

Bioremediation

Excavation and Treatment of Petroleum-Contaminated Soil

Kyle designed the excavation and treatment of 45,000 cubic yards of petroleum-contaminated soil. Soil treatment included utilizing vapor extraction, combined with bioremediation.

Chemicals & Polymers

Two Former Chemical Plants, Environmental Site Assessments and Remediation, Vernon, California
Mr. Emerson was part of the team for conducting Phase I and Phase II Environmental Site Assessments (ESA) and developing remedial action plans for two former chemical plant sites with 80-year industrial histories. Phase I ESAs used historical files, maps, aerial photographs, available documents, and data from public agencies and historical directories for identifying recognized environmental concerns. Extensive Phase II ESA survey activities aided in identifying below-grade structures such as vaults/USTs, as well as assessing the extent of influence and nature of the contamination. These investigations confirmed the presence of heavy metals, petroleum hydrocarbons, volatile organic compounds, polychlorinated biphenyls, radioactive materials, semi-volatile organic compounds, and polycyclic aromatic compounds in the soils for these sites. Specific areas of concern included former settling ponds, a bone yard, maintenance areas, transformer and substations, wastewater treatment facilities, and above-ground storage tank farms. A conceptual mode was developed for use in a health risk assessment and developed risk-based corrective actions to address potential health and environmental concerns. He assisted with the development and implementation of a remedial action plan, combined administrative controls, engineering controls, and active remediation; this resulted in the cost-effective return of one site to active use, and is reducing health risks to occupants and the public at the second site.

Kyle D. Emerson PG, CEG

Managing Principal Geologist

CONFIDENTIAL: Aerospace Adhesives and Coatings Plant, Glendale, California

Mr. Emerson was part of the team that conducted feasibility studies to evaluate remedial alternatives for remediation of chlorinated VOCs, 1,4 dioxane, and hexavalent chromium (CrVI) in soil, soil vapor, and groundwater. Feasibility studies included groundwater pump testing, benchscale column testing to evaluate in situ alternatives for reducing CrVI to the less mobile CrIII valence state, soil vapor extraction, capping, and excavation. Field pilot studies were performed to evaluate the efficiency of various CrVI reductants including the use of ferrous sulfate, calcium polysulfide, emulsified oil, and fructose. Extensive multi-depth soil vapor testing was conducted to evaluate the distribution of VOCs in the subsurface and to support vapor intrusion risk assessment. Feasibility studies were completed in 2008. Remedial actions are expected to be completed in 2011.

Condition Assessments

Assessment and Mitigation of Manufacturing Facility

Kyle managed the assessment and mitigation of an ammunition manufacturing facility covering 1,100 acres in a complex geologic environment. The contaminants involved red and white phosphorous, TNT, chlorinated solvents, solid wastes, and live ordinance.

Soil Contamination Assessment Supervision and Management

Kyle managed and supervised soil contamination assessment and in-situ remediation of heavy metals involving chromium, cadmium, nickel and zinc by chemical fixation to depths in excess of 40 feet below ground surface beneath existing structures within several manufacturing facilities.

Litigation Support and Expert Testimony

Kyle provided litigation support and expert testimony on more than 20 separate projects involving service stations, chlorinated solvent cases, heavy metal, and semi-volatile releases.

Corporate / Office

CT Realty Environmental Remediation of Former Dry Cleaners, El Centro, California

Mr. Emerson was responsible for assessments and remediation at this former dry cleaners which released the dry cleaning chemical tetrachloroethene (PCE) to the ground and underlying groundwater. The work included initial site assessment, agency interaction and negotiations with the California Regional Water Quality Control Board (CRWQCB), and Colorado Basin Region human health risk assessment (HHRA), design and implementation of remedial investigations, feasibility studies, remedial action plans, and implementation of remediation in mitigating chlorinated solvent contamination in vadose and saturated zones at concentrations indicative of DNAPL. The results of the completed remediation, as well as continued confirmation sampling and monitoring, allowed the CRWQCB to issue site closure in 2008. The site has since been redeveloped into a new commercial development.

Environmental Assessments

Siting Studies

Kyle performed initial siting studies for potential Class I, II, and III landfills. The project included detailed geologic mapping, hydrogeological studies, and permeability studies of caps and liners.

Environmental Site Remediation

Assessment and Remedial Design, California (Project Supervisor)

Kyle supervised the assessment and remedial design of a system to eliminate salt brine contamination in shallow perched water horizons in the Yucaipa, San Bernardino, and Riverside areas of southern California.

Design and Installation of Recovery Systems*

Kyle designed and installed numerous free-product recovery systems that successfully recovered product. One of the sites contained product up to 11-feet thick covering more than three city blocks. The dissolved phase had affected a multi-aquifer system and a public drinking water system.

Geophysical Characterizations*

Kyle performed and supervised numerous geophysical characterizations to determine the extent of old landfills. He provided classification studies, landfill gas monitoring, removal verification during grading, methane collection and mitigation plans, permitting, and closure plans.

* denotes projects completed with other firms

Kyle D. Emerson PG, CEG

Managing Principal Geologist

Domestic Landfill Development*

Kyle designed and supervised the dynamic consolidation of a domestic landfill for development. He used this process to minimize expected settlement to overlying structures. Kyle designed commercial developments on closed landfills that involved complex methane collection and monitoring systems and building settlement controls.

Clay Borrow Site Studies

Kyle performed more than 10 separate clay borrow site studies for determining sources of material to cap landfills; ranged from a 20-acre dry lakebed to a 450-acre parcel in complex folded marine sediments.

Assessment, Clean Up, and Regulatory Support Management, Santa, Monica (Project Manager)

Kyle managed the assessment, clean up, and complex regulatory support of a PRP site in an MTBE case (Charnock subbasin). His work involved more than 20 environmental professionals working full time for two years to complete the assessment and clean up mandated by the regulatory agencies.

Hazardous Waste

San Gabriel Valley Superfund Site, Remediation & Closure of Multiple Source Areas, Industry, California

Mr. Emerson performed feasibility studies to evaluate appropriate and relevant remedial alternatives to mitigate constituents of concern in five AOCs contaminated with chlorinated hydrocarbons, heavy metals, petroleum fuel, and cutting oils. Ultimately, a combination of remedial alternatives was implemented that included large-diameter auger excavation to 45 feet to minimize impacts on facility operations, vapor extraction, vapor intrusion risk assessment, deed restriction, and monitored natural attenuation. At the completion of remedial actions, confirmation soil, soil vapor, and groundwater sampling were conducted and followed with risk assessment to demonstrate that remedial objectives had been achieved. No further action was recently granted by the US EPA and Los Angeles Regional Water Quality Control Board.

Mixed-Use

Port of San Diego Rohr Facility, Chula Vista, California

Mr. Emerson assisted in a detailed subsurface assessment of the Rohr facility. The intent of the assessment was to evaluate the 40-acre former aircraft part manufacturing facility for acquisition by the Port of San Diego for redevelopment into a business park and entertainment complex. The assessment identified the presence of soil, soil vapor, and groundwater impacts by petroleum hydrocarbons, VOCs, heavy metals, PCBs, and semi-volatile organic compounds. He utilized many sampling techniques to assess the limits and concentrations of contaminants in the subsurface. Ultimately, the team was able to develop a cost estimate for potential remedial action cost associated to corrective action to allow redevelopment.

Master Planned Commercial/Residential Redevelopment Project, Whittier, California (Project Manager)

Kyle oversaw the assessment of 26 contiguous properties that are part of a 21-acre master planned commercial/residential redevelopment project. The properties included industrial facilities, platting lines, fuel USTs, and metal processing plants, among others. The estimated cleanup costs are approximately \$2 million.

Multi-Unit / Family Residential

Residential Development Assessment, Ventura, California (Project Director)

Kyle directed an assessment of a 40-acre former agricultural property proposed for residential development. Pesticides were identified above hazardous waste levels and preliminary remediation goals established by the U.S. Environmental Protection Agency. Through corrective grading methods and onsite placement of the pesticide impacted soils, all material were re-used on site without offsite disposal. The over all cost savings for the client was more than \$1 million. Total cost was less than \$250,000 for all necessary activities.

Oil & Gas

Oil Field Site Assessments*

Kyle performed site assessments at oil field leases involving refineries, bulk storage areas, piping systems and wellhead, and drilling mud pit contamination.

* denotes projects completed with other firms

Kyle D. Emerson PG, CEG

Managing Principal Geologist

Environmental Protection Agency Superfund Action, Culver City, California (Project Manager)

Kyle served as the project manager representing a major oil company in the assessment, remedial action, and litigation support in a multi-party contamination case affecting a City water supply. The assessment involved more than 250 continuous core borings up to 100 feet, as well as extensive remedial actions. The total cost for all related activities was \$22 million. The case is settled and the closure of the site is pending.

Project Management

Liability and Property Management Consulting Services

Kyle is providing liability and property management consulting services to more than 10 medium to large property development firms in the US. His work involves property transaction assessments, contract review, acquisition guideline development, liability management evaluation, insurance acquisition, and strategic planning.

Residential Development

Environmental Development Management and Review (Project Manager)

Kyle manages and reviews environmental development issues for a large residential developer specializing in development of contaminated industrial properties by providing innovative solutions in developing contaminated properties for residential use through risk assessment, engineering, and administrative and property development controls.

Site Management and Remediation

Design and Implementation of Biodegradation Programs*, California

Kyle designed and implemented one of the first in-situ biodegradation programs in California; it involved 50,000 cubic yards of diesel-contaminated soils, and groundwater to depths of 70 feet below ground surface.

Soil and Groundwater Remediation Systems

Soil and Groundwater Contamination Assessments and Mitigation*, California (Project Manger)

Kyle managed numerous chlorinated solvent soil and groundwater contamination assessments and mitigation programs in southern California. The projects involved releases that impacted soil and groundwater to depth of groundwater more than 700 feet in multi-aquifer systems. One case involved with plume dimensions more than 1 mile from the source affecting residential properties.

Soil and Groundwater Assessment and Remediation Programs*

Implemented hundreds of soil and groundwater assessment and remediation programs at various service station facilities in Southern and Northern California, and Nevada. Work involved assessment, remedial design, installation, maintenance and monitoring. Closure has been received on a majority of these sites.

Assessment and Remediation Management*

Kyle managed the assessment and remediation of soil and groundwater manufacturing at dry cleaning facilities contaminated with chlorinated solvents.

Warehouse / Light Industrial

Glendale Redevelopment Project, Glendale, California (Project Manager)

Kyle managed the assessment and remedial actions during the redevelopment of an industrial property. The project involved the demolition of a historic manufacturing facility and a commercial dry cleaner. Each of these facilities were associated with releases of solvents and petroleum hydrocarbons. Remedial actions involved excavation by pattern drilling and off site disposal along with removal of former USTs. The total cost of remediation and assessment was \$450,000.00.

* denotes projects completed with other firms

Kyle D. Emerson PG, CEG

Managing Principal Geologist

Compton Redevelopment Project, Compton, California (Project Manager)

Kyle is serving as project manager for the assessment and remedial actions for a large redevelopment project. The project involves the redevelopment of a historic manufacturing facility and a former dry cleaner. Each of these facilities were associated with releases of solvents and petroleum hydrocarbons. The industrial facility was also associated with significant volumes of buried waste that required removal and disposal. These wastes also included the chemical referenced above, as well as PCBs and heavy metals. Remediation has included excavation, vapor extraction, and chemical fixation. The total cost of this project has been \$2.8 million to date.

Kyle D. Emerson PG, CEG

Managing Principal Geologist

PUBLICATIONS

In-Situ Bioremediation of an Underground Diesel Fuel Spill: A Case Study. *Environmental Management*, 1989.

317 TO 353 WEST GARDENA BOULEVARD, CARSON, CALIFORNIA

Appendix C User Provided Records
July 1, 2019

Appendix C USER PROVIDED RECORDS





PHASE I ESA USER'S QUESTIONNAIRE

In order to qualify for protection from land owner liability under CERCLA as an innocent landowner, bona fide prospective purchaser, or contiguous property owner, ASTM standard practice E1527-13 and the federal AAI rule (40 CFR 312) require that the User of the Phase I ESA report provide certain information (if available) to the Environmental Professional completing the assessment. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete. Information that is not or cannot be provided to the Environmental Professional may be identified as a "data gap" in the Phase I ESA report.

Please answer the following questions as completely as possible. Attach additional pages as needed. Return the completed questionnaire to Stantec along with the executed Authorization For services form.

1. Property Information

Property Name: Gardena Industrial
Property Address(es): 317-333 W. Gardena Blvd
City: Carson State CA Zip
Property Owner Name: The Iskendarian Family Gardena Properties LLC
Property Owner Phone #:

2. Contact For Site Access

Name: Joe Smith
Company/Organization/Title: DAUM
Phone # 710 538 6724 E-Mail Address: jsmith@dauumcommercial.com

3. Environmental Cleanup Liens. Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?

Yes No

If yes, describe or attach details of the lien

4. Activity and Land Use Limitations. Are you aware of any activity and use limitations, such as engineering controls, land use restrictions, or institutional controls that are in place at the property and/or have been filed or recorded as applicable to the property as a result of environmental contamination, investigation, cleanup, or related matters?

Yes No

If yes, describe or attach details of the limitations: Property has existing remediation wells associated with Arsenic Metals groundwater contamination remediation.

5. Specialized Knowledge or Experience. As the User of this ESA, do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property, such that you would have specialized knowledge about chemicals and processes used by this type of business?

_____ Yes No

If yes, describe or attach details of your specialized knowledge or experience _____

6. Relationship of Purchase Price to Fair Market Value of Property. Does the purchase price being paid for the property reasonably reflect the fair market value?

Yes _____ No

_____ Not applicable. User is not involved in a purchase of the property.

If you conclude that there is a difference, do you have any reason to believe that the reduced purchase price may be related to contamination known or believed to be present at the property?

_____ Yes, I have reason to believe that the purchase price for the property has been reduced in comparison with the fair market value due to contamination known or believed to be present at the property.

No, I have no reason to believe that the purchase price for the property has been reduced in comparison with the fair market value due to contamination known or believed to be present at the property.

7. Commonly Known or Reasonably Ascertainable Information. Are you aware of commonly known or reasonably ascertainable information about the property that would help the Environmental Professional to identify conditions indicative of releases or threatened releases of hazardous substances or petroleum products? For example:

Do you know the past uses of the property?

_____ Yes (describe) _____

No

Do you know of chemicals, hazardous substances or petroleum products that are present or once were present at the property?

Yes (describe) See attached access agreement

related to ground water contamination

_____ No

Do you know of spills or other releases of chemicals, hazardous substances or petroleum products that have taken place at the property?

Yes (describe) _____

 No

Do you know of any environmental cleanups that have taken place at the property?

Yes (describe) see attached access agreement
associated with ground water cleanup by
ARCAD needed located NW of town site

 No

8. The Degree of Obviousness of Contamination. E1527-13 and the federal AAI rule (40 CFR 312.31) require that the Phase I-ESA consider the degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation. Based on your knowledge and experience related to the property, are there any *obvious* indicators that point to the presence or likely presence of contamination at the property?

Yes (describe) ground water contamination

 No

9. Availability of Previous Environmental Reports. Are you aware of previous environmental site assessment reports, other environmental reports, documents, correspondence, etc. concerning the property and its environmental condition?

Yes (describe) see geotracker

 No

Signature: _____

Mark Bellomoni

Name (printed): _____

Mark S. Bellomoni

Title: _____

EVP

Date: _____

6-17-15



Issuing Policies of Chicago Title Insurance Company

ORDER NO.: **00028263-994-X23**

Escrow/Customer Phone: **(213) 488-4300**

DAUM Commercial Real Estate Services
1025 W. 190TH ST, SUITE 420
GARDENA, CA 90248
ATTN: Joe Smith
Email: joe.smith@DAUMcommercial.com

Title Officer: **Jordan Curiel (LA/Comm)**
Title Officer Phone: **(213) 488-4371**
Title Officer Fax: **(213) 612-4171**
Title Officer Email: **UnitX23@ctt.com**

PROPERTY: **317-333 W. GARDENA BLVD., CARSON, CA**

PRELIMINARY REPORT

*In response to the application for a policy of title insurance referenced herein, **Chicago Title Company** hereby reports that it is prepared to issue, or cause to be issued, as of the date hereof, a policy or policies of title insurance describing the land and the estate or interest therein hereinafter set forth, insuring against loss which may be sustained by reason of any defect, lien or encumbrance not shown or referred to as an exception herein or not excluded from coverage pursuant to the printed Schedules, Conditions and Stipulations or Conditions of said policy forms.*

The printed Exceptions and Exclusions from the coverage and Limitations on Covered Risks of said policy or policies are set forth in Attachment One. The policy to be issued may contain an arbitration clause. When the Amount of Insurance is less than that set forth in the arbitration clause, all arbitrable matters shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties. Limitations on Covered Risks applicable to the CLTA and ALTA Homeowner's Policies of Title Insurance which establish a Deductible Amount and a Maximum Dollar Limit of Liability for certain coverages are also set forth in Attachment One. Copies of the policy forms should be read. They are available from the office which issued this report.

This report (and any supplements or amendments hereto) is issued solely for the purpose of facilitating the issuance of a policy of title insurance and no liability is assumed hereby. If it is desired that liability be assumed prior to the issuance of a policy of title insurance, a Binder or Commitment should be requested.

The policy(s) of title insurance to be issued hereunder will be policy(s) of Chicago Title Insurance Company, a Nebraska Corporation.

Please read the exceptions shown or referred to herein and the exceptions and exclusions set forth in Attachment One of this report carefully. The exceptions and exclusions are meant to provide you with notice of matters which are not covered under the terms of the title insurance policy and should be carefully considered.

It is important to note that this preliminary report is not a written representation as to the condition of title and may not list all liens, defects and encumbrances affecting title to the land.

Countersigned:

By: 
Authorized Signature



By: 
Randy Quirk, President

Attest: 
Michael Gravelle, Secretary

PRELIMINARY REPORT
SCHEDULE A

EFFECTIVE DATE: **May 3, 2019 at 7:30 a.m.**

The form of policy or policies of title insurance contemplated by this report is:

ALTA Ext. Owners, ALTA Ext. Lenders

1. THE ESTATE OR INTEREST IN THE LAND HEREINAFTER DESCRIBED OR REFERRED TO COVERED BY THIS REPORT IS:

A FEE

2. TITLE TO SAID ESTATE OR INTEREST AT THE DATE HEREOF IS VESTED IN:

The Iskenderian Family Gardena Properties, LLC

3. THE LAND REFERRED TO IN THIS REPORT IS DESCRIBED AS FOLLOWS:

See Exhibit A attached hereto and made a part hereof.

EXHIBIT A

LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

PARCEL A:

THE WEST 132 FEET OF THE EAST 10 ACRES OF LOT 43 OF GARDENA TRACT, IN THE CITY OF CARSON, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN [BOOK 52 PAGE 73 OF MISCELLANEOUS RECORDS](#), IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, AS SAID LOT IS SHOWN IN LAND REGISTRAR'S OFFICE, CASE NO. 429. SAID EAST 10 ACRES BEING COMPUTED TO CENTER LINE OF 165TH STREET, (FORMERLY PALM AVENUE).

EXCEPT THEREFROM THAT PORTION OF SAID LAND LYING SOUTHERLY OF THE EASTERLY PROLONGATION OF THE SOUTHERLY LINE OF 164TH STREET, 40 FEET WIDE, AS SHOWN ON MAP OF [TRACT NO. 2619](#), RECORDED IN [BOOK 26 PAGE 99 OF MAPS](#), IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

PARCEL B:

PARCEL 1:

THAT PORTION OF LOT 43 OF GARDENA TRACT, IN THE CITY OF CARSON, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN [BOOK 52 PAGE 73 OF MISCELLANEOUS RECORDS](#), IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER OF SAID LOT 43; THENCE ALONG THE SOUTH LINE OF SAID LOT, BEING ALSO THE CENTER LINE OF PALM AVENUE (60 FEET WIDE), SOUTH 88° 01' 45" WEST 198.23 FEET TO THE SOUTHEAST CORNER OF THE LAND DESCRIBED IN CERTIFICATE OF TITLE CO-31338 ON FILE IN THE OFFICE OF THE REGISTRAR OF TITLES OF SAID COUNTY AND THE TRUE POINT OF BEGINNING; THENCE ALONG THE EASTERLY LINE OF SAID LAND, NORTH 1° 59' 25" WEST 30.00 FEET TO A TWO INCH IRON PIPE SET IN CONCRETE; THENCE CONTINUING ALONG SAID EASTERLY LINE NORTH 1° 59' 25" WEST 180 FEET TO A LINE THAT IS PARALLEL WITH AND DISTANT 210.00 FEET NORTHERLY AT RIGHT ANGLES FROM SAID SOUTHERLY LINE OF SAID LOT 43; THENCE ALONG SAID PARALLEL LINE, SOUTH 88° 01' 45" WEST 45.00 FEET; THENCE PARALLEL WITH SAID EASTERLY LINE OF SAID LAND, SOUTH 1° 59' 25" EAST 210.00 FEET TO THE CENTER LINE OF SAID PALM AVENUE; THENCE NORTH 88° 01' 45" EAST 45.00 FEET TO THE TRUE POINT OF BEGINNING.

EXCEPT THEREFROM THE SOUTH 30 FEET INCLUDED WITHIN THE LINES OF PALM AVENUE.

PARCEL 2:

THAT PORTION OF LOT 43 IN THE GARDENA TRACT, IN THE CITY OF CARSON, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN [BOOK 43, PAGES 5 AND 6](#) AND IN [BOOK 52 PAGE 73 OF MISCELLANEOUS RECORDS](#), IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE SOUTHERLY LINE OF SAID LOT 43; BEING THE CENTER LINE OF PALM AVENUE (60 FEET WIDE); DISTANT SOUTH 88° 01' 45" WEST 330.32 FEET FROM THE SOUTHEAST CORNER OF SAID LOT; THENCE NORTH 1° 59' 24" WEST 30.00 FEET TO A TWO INCH PIPE SET IN CONCRETE; THENCE CONTINUING NORTH 1° 59' 24" WEST 629.36 FEET TO A TWO INCH PIPE SET IN NORTHERLY LINE OF SAID LOT 43; THENCE ALONG SAID NORTHERLY LINE NORTH 88° 03' 55" EAST 132.09 FEET TO A TWO INCH PIPE SET IN CONCRETE; THENCE ALONG THE EASTERLY LINE OF THE LAND DESCRIBED IN CERTIFICATE OF TITLE CO-31338 ON FILE IN THE OFFICE OF THE REGISTRAR OF TITLES OF SAID COUNTY, SOUTH 1° 59' 25" EAST 449.28 FEET TO A LINE THAT IS PARALLEL WITH AND DISTANT 210.00 FEET NORTHERLY AT RIGHT

EXHIBIT A
(Continued)

ANGLES FROM SAID SOUTHERLY LINE OF SAID LOT 43; THENCE ALONG SAID PARALLEL LINE SOUTH 88° 01' 45" WEST 45.00 FEET; THENCE PARALLEL WITH SAID EASTERLY LINE OF SAID SOUTH 1° 59' 25" EAST 210.00 FEET TO THE CENTER LINE OF SAID PALM AVENUE; THENCE SOUTH 88° 01' 45" WEST 87.09 FEET TO THE POINT OF BEGINNING.

EXCEPT THEREFROM THE SOUTHERLY 30.00 FEET WITHIN THE BOUNDS OF PALM AVENUE, NOW 165TH STREET.

PARCEL C:

PARCEL 1:

THE EAST 132 FEET OF THE WEST 5 ACRES OF THE EAST 10 ACRES OF LOT 43 OF GARDENS TRACT, IN THE CITY OF CARSON, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN [BOOK 52 PAGE 73 OF MISCELLANEOUS RECORDS](#), IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, AS SAID LOT IS SHOWN IN LAND REGISTRAR'S OFFICE, CASE NO. 429, SAID EAST 10 ACRES BEING COMPUTED TO THE CENTER LINE OF 165TH STREET (FORMERLY PALM AVENUE).

EXCEPT THE SOUTH 30 FEET THEREOF, INCLUDED WITHIN THE LINES OF SAID 165TH STREET.

PARCEL 2:

THE WEST 5 ACRES OF THE EAST 10 ACRES OF LOT 43 OF GARDENA TRACT, IN THE CITY OF CARSON, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN [BOOK 52 PAGE 73 OF MISCELLANEOUS RECORDS](#), IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, AS SAID LOT IS SHOWN IN LAND REGISTRAR'S OFFICE, CASE NO. 429, SAID EAST 10 ACRES BEING COMPUTED TO THE CENTER LINE OF 165TH STREET (FORMERLY PALM AVENUE) .

EXCEPT THE WEST 132 FEET THEREOF.

ALSO EXCEPT THE EAST 132 FEET THEREOF.

ALSO EXCEPT FROM THE REMAINDER THE SOUTH 30 FEET THEREOF, INCLUDED WITHIN THE LINES OF SAID 165TH STREET.

ALSO EXCEPTING ONE HALF OF ALL OIL, PETROLEUM, GAS AND OTHER HYDROCARBON SUBSTANCES IN AND UNDER SAID LAND WITHOUT THE RIGHT TO ENTER ON THE SURFACE THEREOF, AS RESERVED BY MARY M. POLACHEK, A MARRIED WOMAN, RECORDED DECEMBER 10, 1952.

APN: 6125-019-024,041,042,043,044

**SCHEDULE B
EXCEPTIONS**

AT THE DATE HEREOF, ITEMS TO BE CONSIDERED AND EXCEPTIONS TO COVERAGE IN ADDITION TO THE PRINTED EXCEPTIONS AND EXCLUSIONS IN SAID POLICY FORM WOULD BE AS FOLLOWS:

A. Property taxes, which are a lien not yet due and payable, including any assessments collected with taxes to be levied for the fiscal year 2019 – 2020.

B. Property taxes, including any personal property taxes and any assessments collected with taxes are as follows:

Tax Identification No.: 6125-019-024
Fiscal Year: 2018-2019
1st Installment: \$4,718.83, Delinquent
Penalty: \$471.88
2nd Installment: \$4,718.82, Delinquent
Penalty: \$481.88

Affects: Parcel A

C. Property taxes, including any personal property taxes and any assessments collected with taxes are as follows:

Tax Identification No.: 6125-019-044
Fiscal Year: 2018-2019
1st Installment: \$1,571.29, Paid
2nd Installment: \$1,571.27, Paid

Affects: Parcel 1 of Parcel B

D. Property taxes, including any personal property taxes and any assessments collected with taxes are as follows:

Tax Identification No.: 6125-019-043
Fiscal Year: 2018-2019
1st Installment: \$9,230.57, Paid
2nd Installment: \$9,230.56, Paid

Affects: Parcel 2 of Parcel B

SCHEDULE B – EXCEPTIONS
(Continued)

E. Property taxes, including any personal property taxes and any assessments collected with taxes are as follows:

Tax Identification No.: 6125-019-042
Fiscal Year: 2018-2019
1st Installment: \$9,356.49, Delinquent
Penalty: \$935.64
2nd Installment: \$9,356.47, Delinquent
Penalty: \$945.64

Affects: Parcel 1 of Parcel C

F. Property taxes, including any personal property taxes and any assessments collected with taxes are as follows:

Tax Identification No.: 6125-019-041
Fiscal Year: 2018-2019
1st Installment: \$4,445.23, Delinquent
Penalty: \$444.52
2nd Installment: \$4,445.22
Penalty: \$454.52

Affects: Parcel 2 of Parcel C

G. The lien of supplemental or escaped assessments of property taxes, if any, made pursuant to the provisions of Chapter 3.5 (commencing with Section 75) or Part 2, Chapter 3, Articles 3 and 4, respectively, of the Revenue and Taxation Code of the State of California as a result of the transfer of title to the vestee named in Schedule A or as a result of changes in ownership or new construction occurring prior to Date of Policy.

1. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:

Purpose: power lines
Registered: April 7, 1947 as [Document No. 7877-P under Certificate No. OX-22528, of Torrens](#)
Affects: Portions of the Land, the exact location of which can be determined by examination of the above-mentioned instrument, which contains a complete legal description of the affected portions of said Land.

Reference is hereby made to said document for full particulars.

2. A community oil and gas lease for the term therein provided, executed by the parties herein named, and other parties as owners of other lands described in said lease, with certain covenants, conditions and provisions, together with easements, if any, as set forth therein.

Dated: February 29, 1956
Lessor: James L. Foncannon and Marie K. Foncannon
Lessee: J.K. Wadley
Recording Date: April 20, 1956
Recording No: in [Book 50951 Page 292, of Official Records](#)

No assurance is made as to the present ownership of the leasehold created by said lease, nor as to other matters affecting the rights or interests of the lessor or lessee in said lease.

SCHEDULE B – EXCEPTIONS
(Continued)

3. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:

Purpose: public road and highway
Recording Date: October 14, 1986
Recording No: [86-1379819, of Official Records](#)
Affects: Portions of the Land, the exact location of which can be determined by examination of the above-mentioned instrument, which contains a complete legal description of the affected portions of said Land.

Reference is hereby made to said document for full particulars.
4. A Notice of Substandard property as disclosed by a document

Recording Date: November 26, 2002
Recording No: [02-2885927, of Official Records](#)

Reference is hereby made to said document for full particulars.
5. A Notice of Substandard property as disclosed by a document

Recording Date: November 26, 2002
Recording No: [02-2885928, of Official Records](#)

Reference is hereby made to said document for full particulars.
6. A Notice of Substandard property as disclosed by a document

Recording Date: November 26, 2002
Recording No: [02-2885930, of Official Records](#)

Reference is hereby made to said document for full particulars.
7. Please be advised that our search did not disclose any open Deeds of Trust of record. If you should have knowledge of any outstanding obligation, please contact the Title Department immediately for further review prior to closing.
8. Water rights, claims or title to water, whether or not disclosed by the public records.
9. Matters which may be disclosed by an inspection and/or by a correct ALTA/ACSM Land Title Survey of said Land that is satisfactory to the Company, and/or by inquiry of the parties in possession thereof.
10. Any rights of the parties in possession of a portion of, or all of, said Land, which rights are not disclosed by the public records.

The Company will require that a full copy of any unrecorded lease referred to herein be furnished to the Company, together with all supplements, assignments and amendments for review.

The Company reserves the right to add additional items or make further requirements after review of the requested documentation.

SCHEDULE B – EXCEPTIONS
(Continued)

END OF ITEMS

NOTES

Note No. 1: Section 12413.1, California Insurance Code became effective January 1, 1990. This legislation regulates the disbursement of funds deposited with any title entity acting in an escrow or sub-escrow capacity. The law requires that all funds be deposited and collected by the title entity's escrow and/or sub-escrow account prior to disbursement of any funds. Some methods of funding may be subject to a holding period, which must expire before any funds may be disbursed. In order to avoid any such delays, all funding should be done via wire transfer. Funds deposited with the Company via wire transfer may be disbursed upon receipt. Funds deposited by cashiers checks, certified checks, and teller's checks is one business day after the day deposited. Other checks may require hold periods from two to five business days after the day deposited, and may delay your closing. The Company may receive benefits from such banks based upon the balances in such accounts. Such benefits will be retained by the Company as part of its compensation for handling such funds.

Note No. 2: The charge where an order is cancelled after the issuance of the report of title, will be that amount which in the opinion of the Company is proper compensation for the services rendered or the purpose for which the report is used, but in no event shall said charge be less than the minimum amount required under Section 12404.1 of the Insurance Code of the State of California. If the report cannot be cancelled "no fee" pursuant to the provisions of said Insurance Code, then the minimum cancellation fee shall be that permitted by law.

Note No. 3: California Revenue and Taxation Code Section 18668, effective January 1, 1991, requires that the buyer in all sales of California Real Estate, withhold 3-1/3% of the total sales price as California State Income Tax, subject to the various provisions of the law as therein contained, and as amended.

Note No. 4: Your application for title insurance was placed by reference to a street address or assessor's parcel number. Based upon our records, we believe that the description in this report covers the parcel that you requested.

To prevent errors, we require written confirmation that the legal description contained herein covers the parcel that you requested.

Note No. 5: The plat, (map), which is attached to this report, is to assist you in locating land with reference to streets and other parcels. While this plat is believed to be correct, the Company assumes no liability for any loss occurring by reason of reliance thereon.

Note No. 6: The policy of title insurance will include an arbitration provision. The Company or the insured may demand arbitration. Arbitrable matters may include, but are not limited to, any controversy or claim between the Company and the insured arising out of or relating to this policy, any service of the Company in connection with its issuance or the breach of a policy provision or other obligation. Please ask your escrow or title officer for a sample copy of the policy to be issued if you wish to review the arbitration provisions and any other provisions pertaining to your Title Insurance coverage.

Note No. 7: The policy to be issued may contain an arbitration clause. When the Amount of Insurance is less than the amount, if any, set forth in the arbitration clause, all arbitrable matters shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties.

Note No. 8: Acceptance of the offer to insure provided for in this preliminary report constitutes the proposed insured's agreement that the sole and only liability of the company (and the title insurer) related to their actions in recording the documents provided to it for the closing of the contemplated transaction and the disbursing of funds acting in the function of a subescrow shall be that contained in the policy of title insurance that is to be issued by the company. The proposed insured understands and agrees that neither the underwritten company nor the title insurance company can guarantee or represent the condition or status of title or any physical condition existant with respect to real property. It is understood that no writing or instruction inconsistent with this understanding will have any force or effect or impose any liability against the underwritten company or the title insure in the contemplated transaction.

**NOTES
(Continued)**

Note No. 9: The Company will require the following documents for review prior to the issuance of any title assurance predicated upon a conveyance or encumbrance from the entity named below:

Limited Liability Company: **The Iskenderian Family Gardena Properties, LLC**

- a) A copy of its operating agreement, if any, and any and all amendments, supplements and/or modifications thereto, certified by the appropriate manager or member
- b) If a domestic Limited Liability Company, a copy of its Articles of Organization and all amendments thereto with the appropriate filing stamps
- c) If the Limited Liability Company is member-managed, a full and complete current list of members certified by the appropriate manager or member
- d) If the Limited Liability Company was formed in a foreign jurisdiction, evidence, satisfactory to the Company, that it was validly formed, is in good standing and authorized to do business in the state of origin
- e) If less than all members, or managers, as appropriate, will be executing the closing documents, furnish evidence of the authority of those signing.

The Company reserves the right to add additional items or make further requirements after review of the requested documentation.

Note No. 10: The Company is not aware of any matters which would cause it to decline to attach CLTA Endorsement Form 116 indicating that there is located on said Land a commercial structure, known as 317-333 W. Gardena Blvd., Carson, CA, to an Extended Coverage Loan Policy.

Note No. 11: Important notice regarding documents to be recorded in the Los Angeles County. Please review the following CRITICAL MESSAGE from the Los Angeles County Recorder's Office as it will likely impact your closing:

SUBJECT: ACCEPTANCE OF NOTARY ACKNOWLEDGEMENTS

Effective May 1, 2008, the Los Angeles Registrar-Recorder/County Clerk's Office will work diligently to be more efficient in examining notary acknowledgements as our part in minimizing notary fraud. In our efforts, we will strictly adhere to the following requirements for accepting Notary Acknowledgments/Certificates:

- Notaries must comply with the requirements set forth by the state where the oath is administered.
- Notary Acknowledgments/Certificates may not contain white-out, corrective tape, arrows and/or asterisks.
- Notary Acknowledgments/Certificates completed by a California Notary that are destined for recording in the County of Los Angeles must be presented exactly in the form prescribed by Civil Code Section 1189(a)(1).

A Notary Acknowledgment/Certificate that does not meet existing state requirements in addition to the requirements set forth above may not be re-submitted after it has been rejected by the Recorder. A new Notary Acknowledgment/Certificate will be required when re-submitting a rejected document.

If you have any questions, please contact the Registrar-Recorder/County Clerk at (562) 462-2125.

NOTES
(Continued)

END OF NOTES

Jordan Curiel (LA/Comm)/od

FIDELITY NATIONAL FINANCIAL PRIVACY NOTICE

Fidelity National Financial, Inc. and its majority-owned subsidiary companies providing real estate- and loan-related services (collectively, “FNF”, “our” or “we”) respect and are committed to protecting your privacy. This Privacy Notice lets you know how and for what purposes your Personal Information (as defined herein) is being collected, processed and used by FNF. We pledge that we will take reasonable steps to ensure that your Personal Information will only be used in ways that are in compliance with this Privacy Notice.

This Privacy Notice is only in effect for any generic information and Personal Information collected and/or owned by FNF, including collection through any FNF website and any online features, services and/or programs offered by FNF (collectively, the “Website”). This Privacy Notice is not applicable to any other web pages, mobile applications, social media sites, email lists, generic information or Personal Information collected and/or owned by any entity other than FNF.

Collection and Use of Information

The types of personal information FNF collects may include, among other things (collectively, “Personal Information”): (1) contact information (e.g., name, address, phone number, email address); (2) demographic information (e.g., date of birth, gender marital status); (3) Internet protocol (or IP) address or device ID/UDID; (4) social security number (SSN), student ID (SIN), driver’s license, passport, and other government ID numbers; (5) financial account information; and (6) information related to offenses or criminal convictions.

In the course of our business, we may collect Personal Information about you from the following sources:

- Applications or other forms we receive from you or your authorized representative;
- Information we receive from you through the Website;
- Information about your transactions with or services performed by us, our affiliates, or others; and
- From consumer or other reporting agencies and public records maintained by governmental entities that we either obtain directly from those entities, or from our affiliates or others.

Information collected by FNF is used for three main purposes:

- To provide products and services to you or one or more third party service providers (collectively, “Third Parties”) who are obtaining services on your behalf or in connection with a transaction involving you.
- To improve our products and services that we perform for you or for Third Parties.
- To communicate with you and to inform you about FNF’s, FNF’s affiliates and third parties’ products and services.

Additional Ways Information is Collected Through the Website

Browser Log Files. Our servers automatically log each visitor to the Website and collect and record certain information about each visitor. This information may include IP address, browser language, browser type, operating system, domain names, browsing history (including time spent at a domain, time and date of your visit), referring/exit web pages and URLs, and number of clicks. The domain name and IP address reveal nothing personal about the user other than the IP address from which the user has accessed the Website.

Cookies. From time to time, FNF or other third parties may send a “cookie” to your computer. A cookie is a small piece of data that is sent to your Internet browser from a web server and stored on your computer’s hard drive and that can be re-sent to the serving website on

subsequent visits. A cookie, by itself, cannot read other data from your hard disk or read other cookie files already on your computer. A cookie, by itself, does not damage your system. We, our advertisers and other third parties may use cookies to identify and keep track of, among other things, those areas of the Website and third party websites that you have visited in the past in order to enhance your next visit to the Website. You can choose whether or not to accept cookies by changing the settings of your Internet browser, but some functionality of the Website may be impaired or not function as intended. See the [Third Party Opt Out](#) section below.

Web Beacons. Some of our web pages and electronic communications may contain images, which may or may not be visible to you, known as Web Beacons (sometimes referred to as “clear gifs”). Web Beacons collect only limited information that includes a cookie number; time and date of a page view; and a description of the page on which the Web Beacon resides. We may also carry Web Beacons placed by third party advertisers. These Web Beacons do not carry any Personal Information and are only used to track usage of the Website and activities associated with the Website. See the [Third Party Opt Out](#) section below.

Unique Identifier. We may assign you a unique internal identifier to help keep track of your future visits. We may use this information to gather aggregate demographic information about our visitors, and we may use it to personalize the information you see on the Website and some of the electronic communications you receive from us. We keep this information for our internal use, and this information is not shared with others.

Third Party Opt Out. Although we do not presently, in the future we may allow third-party companies to serve advertisements and/or collect certain anonymous information when you visit the Website. These companies may use non-personally identifiable information (e.g., click stream information, browser type, time and date, subject of advertisements clicked or scrolled over) during your visits to the Website in order to provide advertisements about products and services likely to be of greater interest to you. These companies typically use a cookie or third party Web Beacon to collect this information, as further described above. Through these technologies, the third party may have access to and use non-personalized information about your online usage activity.

You can opt-out of online behavioral services through any one of the ways described below. After you opt-out, you may continue to receive advertisements, but those advertisements will no longer be as relevant to you.

- You can opt-out via the Network Advertising Initiative industry opt-out at <http://www.networkadvertising.org/>.
- You can opt-out via the Consumer Choice Page at www.aboutads.info.
- For those in the U.K., you can opt-out via the IAB UK’s industry opt-out at www.youronlinechoices.com.
- You can configure your web browser (Chrome, Firefox, Internet Explorer, Safari, etc.) to delete and/or control the use of cookies.

More information can be found in the Help system of your browser. Note: If you opt-out as described above, you should not delete your cookies. If you delete your cookies, you will need to opt-out again.

When Information Is Disclosed By FNF

We may provide your Personal Information (excluding information we receive from consumer or other credit reporting agencies) to various individuals and companies, as permitted by law, without obtaining your

prior authorization. Such laws do not allow consumers to restrict these disclosures. Disclosures may include, without limitation, the following:

- To agents, brokers, representatives, or others to provide you with services you have requested, and to enable us to detect or prevent criminal activity, fraud, material misrepresentation, or nondisclosure in connection with an insurance transaction;
- To third-party contractors or service providers who provide services or perform marketing services or other functions on our behalf;
- To law enforcement or other governmental authority in connection with an investigation, or civil or criminal subpoenas or court orders; and/or
- To lenders, lien holders, judgment creditors, or other parties claiming an encumbrance or an interest in title whose claim or interest must be determined, settled, paid or released prior to a title or escrow closing.

In addition to the other times when we might disclose information about you, we might also disclose information when required by law or in the good-faith belief that such disclosure is necessary to: (1) comply with a legal process or applicable laws; (2) enforce this Privacy Notice; (3) respond to claims that any materials, documents, images, graphics, logos, designs, audio, video and any other information provided by you violates the rights of third parties; or (4) protect the rights, property or personal safety of FNF, its users or the public.

We maintain reasonable safeguards to keep the Personal Information that is disclosed to us secure. We provide Personal Information and non-Personal Information to our subsidiaries, affiliated companies, and other businesses or persons for the purposes of processing such information on our behalf and promoting the services of our trusted business partners, some or all of which may store your information on servers outside of the United States. We require that these parties agree to process such information in compliance with our Privacy Notice or in a similar, industry-standard manner, and we use reasonable efforts to limit their use of such information and to use other appropriate confidentiality and security measures. The use of your information by one of our trusted business partners may be subject to that party's own Privacy Notice. We do not, however, disclose information we collect from consumer or credit reporting agencies with our affiliates or others without your consent, in conformity with applicable law, unless such disclosure is otherwise permitted by law.

We also reserve the right to disclose Personal Information and/or non-Personal Information to take precautions against liability, investigate and defend against any third-party claims or allegations, assist government enforcement agencies, protect the security or integrity of the Website, and protect the rights, property, or personal safety of FNF, our users or others.

We reserve the right to transfer your Personal Information, as well as any other information, in connection with the sale or other disposition of all or part of the FNF business and/or assets. We also cannot make any representations regarding the use or transfer of your Personal Information or other information that we may have in the event of our bankruptcy, reorganization, insolvency, receivership or an assignment for the benefit of creditors, and you expressly agree and consent to the use and/or transfer of your Personal Information or other information in connection with a sale or transfer of some or all of our assets in any of the above described proceedings. Furthermore, we cannot and will not be responsible for any breach of security by any third parties or for any actions of any third parties that receive any of the information that is disclosed to us.

Information from Children

We do not collect Personal Information from any person that we know to be under the age of thirteen (13). Specifically, the Website is not intended or designed to attract children under the age of thirteen (13). You affirm that you are either more than 18 years of age, or an emancipated minor, or possess legal parental or guardian consent, and are fully able and competent to enter into the terms, conditions, obligations, affirmations, representations, and warranties set forth in this Privacy Notice, and to abide by and comply with this Privacy Notice. In any case, you affirm that you are over the age of 13, as **THE WEBSITE IS NOT INTENDED FOR CHILDREN UNDER 13 THAT ARE UNACCOMPANIED BY HIS OR HER PARENT OR LEGAL GUARDIAN.**

Parents should be aware that FNF's Privacy Notice will govern our use of Personal Information, but also that information that is voluntarily given by children – or others – in email exchanges, bulletin boards or the like may be used by other parties to generate unsolicited communications. FNF encourages all parents to instruct their children in the safe and responsible use of their Personal Information while using the Internet.

Privacy Outside the Website

The Website may contain various links to other websites, including links to various third party service providers. FNF is not and cannot be responsible for the privacy practices or the content of any of those other websites. Other than under agreements with certain reputable organizations and companies, and except for third party service providers whose services either we use or you voluntarily elect to utilize, we do not share any of the Personal Information that you provide to us with any of the websites to which the Website links, although we may share aggregate, non-Personal Information with those other third parties. Please check with those websites in order to determine their privacy policies and your rights under them.

European Union Users

If you are a citizen of the European Union, please note that we may transfer your Personal Information outside the European Union for use for any of the purposes described in this Privacy Notice. By providing FNF with your Personal Information, you consent to both our collection and such transfer of your Personal Information in accordance with this Privacy Notice.

Choices with Your Personal Information

Whether you submit Personal Information to FNF is entirely up to you. You may decide not to submit Personal Information, in which case FNF may not be able to provide certain services or products to you.

You may choose to prevent FNF from disclosing or using your Personal Information under certain circumstances ("opt out"). You may opt out of any disclosure or use of your Personal Information for purposes that are incompatible with the purpose(s) for which it was originally collected or for which you subsequently gave authorization by notifying us by one of the methods at the end of this Privacy Notice. Furthermore, even where your Personal Information is to be disclosed and used in accordance with the stated purposes in this Privacy Notice, you may elect to opt out of such disclosure to and use by a third party that is not acting as an agent of FNF. As described above, there are some uses from which you cannot opt-out.

Please note that opting out of the disclosure and use of your Personal Information as a prospective employee may prevent you from being hired as an employee by FNF to the extent that provision of your Personal Information is required to apply for an open position.

If FNF collects Personal Information from you, such information will not be disclosed or used by FNF for purposes that are incompatible with the purpose(s) for which it was originally collected or for which you subsequently gave authorization unless you affirmatively consent to such disclosure and use.

You may opt out of online behavioral advertising by following the instructions set forth above under the above section "Additional Ways That Information Is Collected Through the Website," subsection "Third Party Opt Out."

Access and Correction

To access your Personal Information in the possession of FNF and correct inaccuracies of that information in our records, please contact us in the manner specified at the end of this Privacy Notice. We ask individuals to identify themselves and the information requested to be accessed and amended before processing such requests, and we may decline to process requests in limited circumstances as permitted by applicable privacy legislation.

Your California Privacy Rights

Under California's "Shine the Light" law, California residents who provide certain personally identifiable information in connection with obtaining products or services for personal, family or household use are entitled to request and obtain from us once a calendar year information about the customer information we shared, if any, with other businesses for their own direct marketing uses. If applicable, this information would include the categories of customer information and the names and addresses of those businesses with which we shared customer information for the immediately prior calendar year (e.g., requests made in 2013 will receive information regarding 2012 sharing activities).

To obtain this information on behalf of FNF, please send an email message to privacy@fnf.com with "Request for California Privacy Information" in the subject line and in the body of your message. We will provide the requested information to you at your email address in response.

Please be aware that not all information sharing is covered by the "Shine the Light" requirements and only information on covered sharing will be included in our response.

Additionally, because we may collect your Personal Information from time to time, California's Online Privacy Protection Act requires us to disclose how we respond to "do not track" requests and other similar mechanisms. Currently, our policy is that we do not recognize "do not track" requests from Internet browsers and similar devices.

Your Consent to This Privacy Notice

By submitting Personal Information to FNF, you consent to the collection and use of information by us as specified above or as we otherwise see fit, in compliance with this Privacy Notice, unless you inform us otherwise by means of the procedure identified below. If we decide to change this Privacy Notice, we will make an effort to post those changes on the Website. Each time we collect information from you following any amendment of this Privacy Notice will signify your assent to and acceptance of its revised terms for all previously collected information and information collected from you in the future. We may use comments, information or feedback that you may submit in any manner that we may choose without notice or compensation to you.

If you have additional questions or comments, please let us know by sending your comments or requests to:

Fidelity National Financial, Inc.
601 Riverside Avenue
Jacksonville, Florida 32204
Attn: Chief Privacy Officer
(888) 934-3354

privacy@fnf.com

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EFFECTIVE AS OF: JANUARY 24, 2014

LAST UPDATED: JANUARY 24, 2014

Notice of Available Discounts

Pursuant to Section 2355.3 in Title 10 of the California Code of Regulations Fidelity National Financial, Inc. and its subsidiaries ("FNF") must deliver a notice of each discount available under our current rate filing along with the delivery of escrow instructions, a preliminary report or commitment. Please be aware that the provision of this notice does not constitute a waiver of the consumer's right to be charged the field rate. As such, your transaction may not qualify for the below discounts.

You are encouraged to discuss the applicability of one or more of the below discounts with a Company representative. These discounts are generally described below; consult the rate manual for a full description of the terms, conditions and requirements for each discount. These discounts only apply to transaction involving services rendered by the FNF Family of Companies. This notice only applies to transactions involving property improved with a one-to-four family residential dwelling.

FNF Underwritten Title Company

CTC - Chicago Title Company

FNF Underwriter

CTIC - Chicago Title Insurance Company

Available Discounts

CREDIT FOR PRELIMINARY REPORTS AND/OR COMMITMENTS ON SUBSEQUENT POLICIES (CTIC)

Where no major change in the title has occurred since the issuance of the original report or commitment, the order may be reopened within 12 months and all or a portion of the charge previously paid for the report or commitment may be credited on a subsequent policy charge within the following time period from the date of the report.

FEE REEDUCTION SETTLEMENT PROGRAM (CTC and CTIC)

Eligible customers shall receive \$20.00 reduction in their title and/or escrow fees charged by the Company for each eligible transaction in accordance with the terms of the Final Judgments entered in The People of the State of California.

DISASTER LOANS (CTIC)

The charge for a lender's Policy (Standard or Extended coverage) covering the financing or refinancing by an owner of record, within 24 months of the date of a declaration of a disaster area by the government of the United States or the State of California on any land located in said area, which was partially or totally destroyed in the disaster, will be 50% of the appropriate title insurance rate.

CHURCHES OR CHARITABLE NON-PROFIT ORGANIZATIONS (CTIC)

On properties used as a church or for charitable purposes within the scope of the normal activities of such entities, provided said charge is normally the church's obligation the charge for an owner's policy shall be 50% to 70% of the appropriate title insurance rate, depending on the type of coverage selected. The charge for a lender's policy shall be 40% to 50% of the appropriate title insurance rate, depending on the type of coverage selected.

EMPLOYEE RATE (CTC and CTIC)

No charge shall be made to employees (including employees on approved retirement) of the Company or its underwritten, subsidiary title companies for policies or escrow services in connection with financing, refinancing, sale or purchase of the employees' bona fide home property. Waiver of such charges is authorized only in connection with those costs which the employee would be obligated to pay, by established custom, as a party to the transaction.

Notice

You may be entitled to receive a \$20.00 discount on escrow services if you purchased, sold or refinanced residential property in California between May 19, 1995 and November 1, 2002. If you had more than one qualifying transaction, you may be entitled to multiple discounts.

If your previous transaction involved the same property that is the subject of your current transaction, you do not have to do anything; the Company will provide the discount, provided you are paying for escrow or title services in this transaction.

If your previous transaction involved property different from the property that is the subject of your current transaction, you must inform the Company of the earlier transaction, provide the address of the property involved in the previous transaction, and the date or approximate date that the escrow closed to be eligible for the discount.

Unless you inform the Company of the prior transaction on property that is not the subject of this transaction, the Company has no obligation to conduct an investigation to determine if you qualify for a discount. If you provided the Company information concerning a prior transaction, the Company is required to determine if you qualify for a discount.

Request for \$20.00 Discount – CA Settlement

Use one form for each qualifying property.

To:	Chicago Title Company, 725 South Figueroa Street, Suite 200, Los Angeles, CA 90017
Date:	
From: (name)	
Current Address:	
	I believe that I am qualified for the \$20.00 discount pursuant to the coordinated stipulated judgments entered in actions filed by both the Attorney General and private class action plaintiffs. I have not previously received a cash payment or a discount from another Company on the property described below: Signed: _____ Date: _____
Address of qualifying property:	
Approximate date of transaction	

THIS SECTION IS FOR COMPANY USE ONLY.

- The above referenced party is entitled to receive a \$20.00 discount on escrow services or title insurance pursuant to the coordinated stipulated judgments entered in actions filed by both the Attorney General and private class action plaintiffs.

OR

- The above referenced party does NOT qualify for the \$20.00 discount pursuant to the coordinated stipulated judgments entered in actions filed by both the Attorney General and private class action plaintiffs for the following reason:
- The party has previously received credit for the transaction described above.
 - The transaction described above did not occur in the time period allowed by the stipulated judgments—May 19, 1995 to November 1, 2002.

Fax this response to:

Escrow No.:	00028263-994-X23
Escrow Officer:	
Fax Number:	

ATTACHMENT ONE (Revised 06-03-11)

**CALIFORNIA LAND TITLE ASSOCIATION
STANDARD COVERAGE POLICY – 1990**

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance or governmental regulation (including but not limited to building or zoning laws, ordinances, or regulations) restricting, regulating, prohibiting or relating (i) the occupancy, use, or enjoyment of the land; (ii) the character, dimensions or location of any improvement now or hereafter erected on the land; (iii) a separation in ownership or a change in the dimensions or area of the land or any parcel of which the land is or was a part; or (iv) environmental protection, or the effect of any violation of these laws, ordinances or governmental regulations, except to the extent that a notice of the enforcement thereof or a notice of a defect, lien, or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
- (b) Any governmental police power not excluded by (a) above, except to the extent that a notice of the exercise thereof or notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
2. Rights of eminent domain unless notice of the exercise thereof has been recorded in the public records at Date of Policy, but not excluding from coverage any taking which has occurred prior to Date of Policy which would be binding on the rights of a purchaser for value without knowledge.
3. Defects, liens, encumbrances, adverse claims or other matters:
 - (a) whether or not recorded in the public records at Date of Policy, but created, suffered, assumed or agreed to by the insured claimant;
 - (b) not known to the Company, not recorded in the public records at Date of Policy, but known to the insured claimant and not disclosed in writing to the Company by the insured claimant prior to the date the insured claimant became an insured under this policy;
 - (c) resulting in no loss or damage to the insured claimant;
 - (d) attaching or created subsequent to Date of Policy; or
 - (e) resulting in loss or damage which would not have been sustained if the insured claimant had paid value for the insured mortgage or for the estate or interest insured by this policy.
4. Unenforceability of the lien of the insured mortgage because of the inability or failure of the insured at Date of Policy, or the inability or failure of any subsequent owner of the indebtedness, to comply with the applicable doing business laws of the state in which the land is situated.
5. Invalidity or unenforceability of the lien of the insured mortgage, or claim thereof, which arises out of the transaction evidenced by the insured mortgage and is based upon usury or any consumer credit protection or truth in lending law.
6. Any claim, which arises out of the transaction vesting in the insured the estate of interest insured by this policy or the transaction creating the interest of the insured lender, by reason of the operation of federal bankruptcy, state insolvency or similar creditors' rights laws.

EXCEPTIONS FROM COVERAGE - SCHEDULE B, PART I

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) which arise by reason of:

1. Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records.
Proceedings by a public agency which may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the public records.
2. Any facts, rights, interests, or claims which are not shown by the public records but which could be ascertained by an inspection of the land or which may be asserted by persons in possession thereof.
3. Easements, liens or encumbrances, or claims thereof, not shown by the public records.
4. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by the public records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b) or (c) are shown by the public records.
6. Any lien or right to a lien for services, labor or material not shown by the public records.

CLTA HOMEOWNER'S POLICY OF TITLE INSURANCE (02-03-10)

ALTA HOMEOWNER'S POLICY OF TITLE INSURANCE

EXCLUSIONS

In addition to the Exceptions in Schedule B, You are not insured against loss, costs, attorneys' fees, and expenses resulting from:

1. Governmental police power, and the existence or violation of those portions of any law or government regulation concerning:
 - a. building;
 - b. zoning;
 - c. land use;
 - d. improvements on the Land;
 - e. land division; and
 - f. environmental protection.

This Exclusion does not limit the coverage described in Covered Risk 8.a., 14, 15, 16, 18, 19, 20, 23 or 27.

2. The failure of Your existing structures, or any part of them, to be constructed in accordance with applicable building codes. This Exclusion does not limit the coverage described in Covered Risk 14 or 15.
3. The right to take the Land by condemning it. This Exclusion does not limit the coverage described in Covered Risk 17.
4. Risks:
 - a. that are created, allowed, or agreed to by You, whether or not they are recorded in the Public Records;
 - b. that are Known to You at the Policy Date, but not to Us, unless they are recorded in the Public Records at the Policy Date;

- c. that result in no loss to You; or
 - d. that first occur after the Policy Date - this does not limit the coverage described in Covered Risk 7, 8.e., 25, 26, 27 or 28.
5. Failure to pay value for Your Title.
 6. Lack of a right:
 - a. to any land outside the area specifically described and referred to in paragraph 3 of Schedule A; and
 - b. in streets, alleys, or waterways that touch the Land.
 This Exclusion does not limit the coverage described in Covered Risk 11 or 21.
 7. The transfer of the Title to You is invalid as a preferential transfer or as a fraudulent transfer or conveyance under federal bankruptcy, state insolvency, or similar creditors' rights laws.

LIMITATIONS ON COVERED RISKS

Your insurance for the following Covered Risks is limited on the Owner's Coverage Statement as follows:

- For Covered Risk 16, 18, 19, and 21 Your Deductible Amount and Our Maximum Dollar Limit of Liability shown in Schedule A. The deductible amounts and maximum dollar limits shown on Schedule A are as follows:

	Your Deductible Amount	Our Maximum Dollar Limit of Liability
Covered Risk 16:	1.00% of Policy Amount Shown in Schedule A or \$2,500.00 (whichever is less)	\$10,000.00
Covered Risk 18:	1.00% of Policy Amount Shown in Schedule A or \$5,000.00 (whichever is less)	\$25,000.00
Covered Risk 19:	1.00% of Policy Amount Shown in Schedule A or \$5,000.00 (whichever is less)	\$25,000.00
Covered Risk 21:	1.00% of Policy Amount Shown in Schedule A or \$2,500.00 (whichever is less)	\$5000.00

**AMERICAN LAND TITLE ASSOCIATION
RESIDENTIAL TITLE INSURANCE POLICY (6-1-87)**

EXCLUSIONS

In addition to the Exceptions in Schedule B, you are not insured against loss, costs, attorneys' fees, and expenses resulting from:

1. Governmental police power, and the existence or violation of any law or government regulation. This includes building and zoning ordinances and also laws and regulations concerning:

- * land use
- * improvements on the land
- * land division
- * environmental protection

This exclusion does not apply to violations or the enforcement of these matters which appear in the public records at Policy Date. This exclusion does not limit the zoning coverage described in Items 12 and 13 of Covered Title Risks.

2. The right to take the land by condemning it, unless:

- * a notice of exercising the right appears in the public records
- * on the Policy Date
- * the taking happened prior to the Policy Date and is binding on you if you bought the land without knowing of the taking

3. Title Risks:

- * that are created, allowed, or agreed to by you
- * that are known to you, but not to us, on the Policy Date – unless they appeared in the public records
- * that result in no loss to you
- * that first affect your title after the Policy Date – this does not limit the labor and material lien coverage in Item 8 of Covered Title Risks

4. Failure to pay value for your title.

5. Lack of a right:

- * to any land outside the area specifically described and referred to in Item 3 of Schedule A
- OR

- * in streets, alleys, or waterways that touch your land

This exclusion does not limit the access coverage in Item 5 of Covered Title Risks.

**2006 ALTA LOAN POLICY (06-17-06)
EXCLUSIONS FROM COVERAGE**

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to

- (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;
- or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
- (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
 3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 13 or 14); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
 4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing business laws of the state where the Land is situated.
 5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury or any consumer credit protection or truth-in-lending law.
 6. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
 - (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 13(b) of this policy.
 7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the Insured Mortgage in the Public Records. This Exclusion does not modify or limit the coverage provided under Covered Risk 11(b).

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) that arise by reason of:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material not shown by the Public Records.

2006 ALTA OWNER'S POLICY (06-17-06) EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;
 or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
 - (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 9 and 10); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Title.
4. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction vesting the Title as shown in Schedule A, is

- (a) a fraudulent conveyance or fraudulent transfer; or
 - (b) a preferential transfer for any reason not stated in Covered Risk 9 of this policy.
5. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the deed or other instrument of transfer in the Public Records that vests Title as shown in Schedule A.
- The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) that arise by reason of:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown in the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and that are not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material not shown by the Public Records.

**ALTA EXPANDED COVERAGE RESIDENTIAL LOAN POLICY (07-26-10)
EXCLUSIONS FROM COVERAGE**

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;
 or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
 - (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27 or 28); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing business laws of the state where the Land is situated.
5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury, or any consumer credit protection or truth-in-lending law. This Exclusion does not modify or limit the coverage provided in Covered Risk 26.
6. Any claim of invalidity, unenforceability or lack of priority of the lien of the Insured Mortgage as to Advances or modifications made after the Insured has Knowledge that the vestee shown in Schedule A is no longer the owner of the estate or interest covered by this policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11.
7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching subsequent to Date of Policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11(b) or 25.
8. The failure of the residential structure, or any portion of it, to have been constructed before, on or after Date of Policy in accordance with applicable building codes. This Exclusion does not modify or limit the coverage provided in Covered Risk 5 or 6.
9. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
 - (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 27(b) of this policy.

Insert Map here

ACCESS AGREEMENT

This Access Agreement (this "Agreement") is made and entered into as of April 10, 2019 (the "Effective Date"), by and between THE ISKENDERIAN FAMILY GARDENA PROPERTIES, LLC, a California limited liability company ("Licensor"), on the one hand, and DOUGLAS A. CLAMAN AND SUSAN CLAMAN, TRUSTEES OF THE STEPHEN AND RENEE CLAMAN ADMINISTRATIVE TRUST DATED MARCH 16, 1999, DOUGLAS A. CLAMAN AND SUSAN CLAMAN, TRUSTEES OF THE STEPHEN CLAMAN EXEMPT AND NON-EXEMPT TRUSTS established under the FLORENCE CLAMAN LIVING TRUST OF 1976, CDMJ, LLC, a California limited liability company, and SAN PASQUAL FIDUCIARY TRUST COMPANY, a California corporation, as INTERIM TRUSTEE OF THE MICHAEL J. QUAGLETTI AND PEGGY M. QUAGLETTI TRUST DATED MAY 10, 1980, on the other hand (individually and collectively referred to as "Licensee"). Licensor and Licensee are referred to herein as a "Party" and collectively as the "Parties".

RECITALS

- A. Licensor is the owner of real property located at 317-333 West Gardena Boulevard, Carson, California 90248 (the "Property").
- B. Licensee's predecessors formerly owned real property located at 417 West 164th Street, Carson, California 90248 (the "Anco Property").
- C. Pursuant to directives and/or orders of the Los Angeles Regional Water Quality Control Board (the "Regional Board"), Licensee is engaged in ongoing investigation and remediation of environmental conditions and contamination at and around the Anco Property and the surrounding area caused by Anco Metal Improvement Company's ("Anco") (which operated on the property from around 1967 through 1994) past operations on the Anco Property (the "Environmental Conditions").
- D. Licensee or its predecessors have accessed the Property to install, monitor and sample groundwater monitoring wells and groundwater extraction wells and associated piping, equipment and materials as depicted on Exhibit "A" attached hereto and incorporated by this reference (the "Well Equipment").
- E. Licensor contends that Licensee's access to the Property, including, by way of example, but without limitation, the installation of the Well Equipment along with the monitoring and sampling of groundwater in connection with the Well Equipment was without the consent of Licensor. Licensee disagrees. The Parties agree that notwithstanding anything to the contrary in this Agreement, the issue of whether Licensee obtained permission from Licensor to access the Property prior to the date of this Agreement is a matter that remains unaddressed and unaffected by this Agreement and, as such, the Parties' respective rights, remedies, damages, and defenses with respect to same are reserved and shall be established in accordance with applicable law and principles of equity and not by this Agreement or any actions taken under this Agreement.

- F. While the Parties reserve their respective rights as set forth in Recital E, Licensee now desires access to the Property to install above-ground piping which is not to exceed 3 inches in diameter along the perimeter of the Property as generally depicted in Exhibit "B" attached hereto and incorporated by this reference (the "Injection Piping") to implement the proposal by Leymaster Environmental Consulting ("LEC") discussed in the Remedial Action Plan for Down-Gradient Groundwater dated May 1, 2015 (the "RAP"), as approved by the Regional Board on September 7, 2016, and as may be further amended by the Regional Board or any Regulatory Agency (as defined below) to re-inject treated wastewater into an adjacent property located at 309 W. Gardena Boulevard, Gardena, California 90248. The RAP and approval letter are attached hereto as Exhibit "C" and incorporated by this reference. The term "Regulatory Agency" as used in this Agreement shall mean any governmental authority with jurisdiction over the Environmental Conditions. The Injection Piping and Well Equipment are collectively referred to as the "Environmental Systems".
- G. While the Parties reserve their respect rights a set forth in Recital E, Licensor agrees to grant Licensee and their successors, assigns, agents, representatives, consultants, contractors and subcontractors (including, without limitation, LEC) (collectively, the "Licensee Parties") a revocable right to access the Property for the purpose of installing, maintaining, relocating, accessing and removing the Injection Piping (the foregoing shall be collectively referred to as the "Injection Equipment Work") in accordance with the terms of this Agreement.
- H. While the Parties reserve their respective rights as set forth in Recital E, Licensor agrees to grant Licensee and the Licensee Parties the revocable right to access the Property for the sole and exclusive purpose of monitoring, maintaining, accessing and removing the Well Equipment (the foregoing shall be collectively referred to as the "Well Equipment Work") in accordance with the terms of this Agreement. The Injection Equipment Work and Well Equipment Work are collectively referred to herein as the "Site Work." Site Work does not include the installation or relocation of new groundwater monitoring wells, groundwater extraction wells or any other structures or things other than the Injection Piping.

NOW, THEREFORE, in consideration of the mutual covenants and agreements described below, and for good and valuable consideration, the Parties agree as follows:

1. **Recitals.** The foregoing Recitals are hereby deemed to be incorporated into the body of this Agreement, as though each and every of one of them is specifically restated in the body of this Agreement.
2. **License.** Licensor hereby grants and conveys a non-exclusive, revocable right and license to the Licensee Parties for the Well Equipment, the Injection Piping, and for access to the Property for the sole purpose of performing the Site Work including ingress and egress through the Property to the areas where the Environmental Systems are located, provided the Licensee Parties follow the path identified by Licensor to such areas if and to the extent Licensor identifies the paths that the Licensee Parties are to follow in order to reach the Environmental Systems. Such access to the Property shall only be permitted if Licensee or LEC provides at least ten (10) business days prior written notice of the date and time when the Licensee Parties propose to access the Property and Licensor does not object in writing to the proposed

date or time at least four (4) business days prior to the Licensee Parties' proposed date of access. If Licensor objects to the proposed date of access, Licensor shall provide Licensee with alternative dates and times for the Licensee Parties to access the Property that are within five (5) business days of the date proposed by the Licensee Parties. If Licensor fails to provide objection to the proposed date of access at least four (4) business days prior to the proposed date of access, Licensee Parties are to presume that there is no objection to the date and time proposed by Licensee Parties and Licensee Parties will be able to access the Property on the identified date and time. The Site Work shall occur on Mondays through Fridays between 8:00 a.m. and 5:00 p.m., unless Licensor specifies in writing other times within which the Licensee Parties are to perform such Site Work in which case the Licensee Parties may only access the Property on the days and/or times specified by Licensor. The Parties acknowledge and agree that, notwithstanding Section 23, Amendment, below, Licensor has the unilateral right to amend the days and times identified in the preceding sentence for access to the Property and, upon such written notice, Licensee agrees that any dates and times to access the Property that follow shall be within the newly identified dates and times. Notwithstanding the foregoing, the Licensee Parties may enter the Property on no notice in the event of an emergency where the threat of loss of life or property are imminent and require immediate action; and in such event, the Licensee or LEC shall provide Licensor with notice of the fact that they accessed the Property, the nature of the emergency and the steps that have been implemented by the Licensee Parties to address the emergency as soon as reasonably possible.

3. Pursuit of No Further Action: Subject to the terms of this Agreement, Licensee shall use commercially reasonable efforts to obtain at its sole cost and expense a written determination from the Regional Board or Regulatory Agency that no further action will be required to address the Environmental Conditions at and under the Property, including the groundwater (the "NFA"). The Parties reserve the right to advocate for a different means or methods for accomplishing the NFA.
4. Costs, Permits & Compliance. Any and all Site Work shall be at Licensee's sole cost and expense. Any necessary permits or authorizations required in connection with the installation, operation, access, monitoring, maintenance, repair, relocation, removal or closure of the Environmental Systems, including, by way of example, but without limitation, any other equipment, systems and any other work placed or performed, as the case may be, at the Property by Licensee Parties shall likewise be obtained by Licensee at its own expense. Licensee will comply with all applicable federal, state and local laws and regulations relating to any of the activities of the Licensee Parties at the Property. To the extent there are any taxes assessed on account of the Site Work or in connection with any of the waste generated in connection with the foregoing and/or with the Environmental Systems, including Hazardous Substances (defined below) related to the Site Work, Licensee agrees to be solely responsible and liable for the payment of same. The term "Hazardous Substances" as used herein shall refer to hazardous materials, including, by way of example, but without limitation, chlorinated solvents, perchloroethylene, trichloroethylene, and petroleum based products and any other materials, products or chemicals that are defined or regulated by the Comprehensive Environmental

Response, Compensation, and Liability Act of 1980, 42 U.S.C. §§9601 et seq., the California Hazardous Waste Control law, Health & Safety Code §25000 et seq. and other similar federal, state or local laws/regulations.

5. Pre-Approval of Proposed Work. Prior to performing any Site Work, in addition to providing the information required by Section 2 above, one or more of the Licensee Parties, shall provide Licensor with prior written notice within the time period specified in Section 2 above of the type of work contemplated at the Property along with the expected duration, dates and hours of the proposed work and Licensee shall deliver to Licensor the certificates of insurance required below in Section 10. For Site Work that involves the installation, maintenance, repair, removal, or closure of all or any part of the Environmental Systems, Licensee shall provide Licensor with a copy of the proposed work plan at least thirty (30) days prior to the date that Licensee seeks to perform said work at the Property for Licensor's pre-approval. If Licensor does not provide Licensee with its approval or non-approval of the installation, maintenance, repair, removal, or closure of all or any part of the Environmental Systems within five (5) business days prior to the proposed date of said work, then said work shall be deemed approved by Licensor. This Agreement shall serve as Licensor's pre-approval of the installation of the Injection Piping around the pre-approved perimeter of the Property as shown in Exhibit B.
6. Obligation to Maintain and Close Environmental Systems. Licensee shall be solely responsible for the maintenance, repair and closure of any of the Environmental Systems installed at the Property, irrespective of whether the foregoing are damaged by Licensor or anyone else acting on behalf of Licensor at the Property (except to the extent that the conduct of Licensor or those acting on behalf of Licensor rises to the level of willful misconduct or gross negligence in which case the liability shall be allocated among Licensor, Licensee and those acting on behalf of Licensor/Licensee in accordance to their comparative negligence). Any equipment, materials and supplies used by the Licensee Parties shall be kept in pre-designated areas during the hours that work is being performed and during the periods of inactivity (e.g., at the end of each work day), these shall be removed from the Property or stored at a location that is pre-approved by Licensor provided Licensor consents to the temporary storage of said equipment, material and supplies at the Property.
7. Term.
 - a. Termination of the License by Licensor: The Parties agree that after twelve months from the Effective Date, Licensor and Licensor's tenants or successors/assigns each has the right to revoke or terminate all or part of the license granted in this Agreement. Within 120 days of the revocation of the license, unless another time period is agreed to by the Parties in writing, Licensee shall remove and abandon the Injection Piping as requested by Licensor at Licensee's sole cost and expense and Licensee shall carry out its obligations under Section 11 of this Agreement. The Parties agree that notwithstanding anything to the contrary in this Agreement, the Parties reserve their respective rights as set forth in Recital E.

- b. Termination after Receipt of an NFA: The Parties further agree that the licenses granted under this Agreement shall automatically be revoked and terminated without notice after an NFA is issued by the Regional Board or a Regulatory Agency, as the case may be, and Licensee's obligations under Section 11 are completed.
8. Condition of the Property. Licensor makes no representation with regard to the condition or suitability of the Property with regard to any work or Environmental System at or under the Property. Licensee accepts the Property "as is" and Licensee shall be solely responsible for identifying the location of underground conditions, lines, structures, and the like. Licensor shall not be liable for any loss, damage or injury (including death) of any kind to any person or property arising from any access to or activity at the Property by Licensee or by anyone acting for or on behalf of Licensee, except to the extent such loss, damage or injury is caused solely by the gross negligence or willful misconduct of Licensor or its agents, employees, tenants, invitees or representatives in which case the liability shall be allocated among Licensor, Licensee and those acting on behalf of Licensor/Licensee in accordance to their comparative negligence. Licensee alone shall be responsible for and control the details and means for performing the Site Work described in this Agreement. In this regard, subject to the terms of this Agreement Licensee for itself and the Licensee Parties shall assume all risks associated with accessing the Property and in performing the obligations hereunder and Licensee for itself and the Licensee Parties waives any and all claims, demands, and lawsuits, for any defect or condition at the Property, known or unknown.
9. Indemnity. Licensee shall defend, indemnify and hold harmless Licensor and its tenants, directors, members, officers, employees, guests, invitees, agents, attorneys and representatives and each of the successors and assigns of each of them (collectively "Indemnitees") from and against any and all liabilities, losses, claims, demands, penalties, fines, settlements, damages and agency requests which are asserted against or incurred by Indemnitees for personal injuries (including death) or property damage (including total loss) arising out of Licensee's performance (and the performance of anyone else acting on behalf of Licensee) of the obligations under this Agreement, except to the extent such liability, cost and expense is caused by the gross negligence or willful misconduct of Licensor, one or more Indemnitees, or their respective agents or employees, in which case Licensee's indemnification obligations shall be reduced in proportion to the comparative fault of Licensor, one or more Indemnitees or their respective agents or employees, as the case may be. This Section 9 survives the termination of this Agreement.
10. Insurance. Licensee agrees at all times during the period of this Agreement, the Licensee and anyone acting on behalf of Licensee who accesses the Property shall have workers' compensation insurance in the minimum amounts required by law, commercial general liability insurance with coverage of at least \$1,000,000 per occurrence and \$2,000,000 aggregate; automobile liability insurance with coverage of at least \$1,000,000 per accident; professional errors and omissions insurance with coverage of at least \$1,000,000 per occurrence and \$2,000,000 aggregate; and

pollution liability coverage of at least \$1,000,000 per occurrence and \$2,000,000 aggregate. The commercial general and automobile general liability insurance shall be written on an occurrence basis and not on a claims-made basis. Licensor shall be named as an additional insured in the commercial general liability, automobile, and pollution liability insurance policies with regard to and for the duration of the Agreement and up through and including such time as the Environmental Systems are closed and removed from the Property. The Licensee and anyone acting on behalf of Licensee will ensure that the foregoing insurance shall be primary, without the right of contribution from any insurance of Licensor, and that the foregoing insurers will waive their right of subrogation. Licensee shall provide Licensor with a certificate of insurance evidencing compliance with the foregoing insurance requirements upon execution of this Agreement and, if there is a change or renewal of insurance thereafter, then certificates of insurance will be delivered to Licensor within five (5) business days of such change or renewal. The Licensee Parties may achieve the required limits and coverage through a combination of primary and excess or umbrella liability insurance, provided such primary and excess or umbrella insurance policies result in the same or greater coverage as the coverage required in this Section 9.

11. Restoration & Repairs. Licensee shall ensure that all reasonable measures are taken to minimize disruption to the Property by the Site Work. Promptly upon the revocation of the applicable license or the termination of this Agreement, as the case may be, Licensee agrees to properly close and remove the Injection Piping and to restore the Property as nearly as reasonably possible to the same condition as existed at the time prior to Licensee's entry all at the sole cost and expense of Licensee. In the event that Licensee fails to commence the removal and/or closure of the Injection Piping within thirty (30) days of the revocation of the applicable license and/or termination of this Agreement and thereafter continue such removal and closure work with all due diligence until removal and closure of the Injection Piping is achieved in accordance with the requirements of this Section 11, then Licensor shall have the right to undertake such removal and closure work at the cost and expense of Licensee, provided Licensor gives Licensee thirty (30) days written notice of its intent to undertake such removal and closure work and Licensee has not completed or commenced such work in the thirty (30) day period. Within thirty (30) days of the issuance of the NFA, Licensee shall commence the proper closure and removal of the Injections Piping (if it is still present) and of the Well Equipment and shall restore the Property as nearly as reasonably possible to the same condition as existed at the time prior to Licensee's entry to the Property all at the sole cost and expense of Licensee. In the event that Licensee fails to commence the removal and/or closure of the Injection Piping and of the Well Equipment within thirty (30) days of the issuance of the NFA, then Licensor shall have the right to undertake such removal and closure work at the cost and expense of Licensee, provided Licensor gives Licensee thirty (30) days written notice of its intent to undertake such removal and closure work and Licensee has not completed or commenced such work in the thirty (30) day period.

12. Consultant Agreements. Licensee shall ensure that any indemnification provisions in any contract entered into with any primary contractors/consultant to conduct the Site Work (currently LEC) identifies Licensor as an indemnitee, if applicable, and names Licensor as an additional insured, provides a waiver of subrogation as to Licensor, and further provides that the insurance is primary without the right of contribution from any insurance that Licensor may have.
13. Generator ID Number. The Parties agree that Licensee shall be deemed to be the “Generator” of any of the Hazardous Substances and other soil, groundwater, or materials which are generated in connection with performance of the Site Work or any of Licensee’s activities. Accordingly, if it becomes necessary to obtain or utilize a federal or state identification number from an environmental agency, including, by way of example, but without limitation, from the United States or California Environmental Protection Agencies, or to handle, treat, store, transport or dispose of contaminated soil, groundwater or any other material related to the Site Work or any of Licensee’s activities, then Licensee, as the Generator, shall have the sole and exclusive responsibility and liability with respect to such soils, groundwater or material and Licensee shall designate itself (and not Licensor or its successors and assigns) as the Generator of such soil, groundwater or material in any application, form, agreement or document. Licensee agrees not to store any soil, groundwater, or material, including Hazardous Substances, at the Property.
14. Prior Written Notice, Right to Split Samples. Licensor and its representatives shall have the right to accompany Licensee and its representatives when performing any work, tests, investigations or other activities at the Property. If requested by Licensor or its representatives, Licensee agrees to provide Licensor and or its representatives with “split samples” of any air, soil or groundwater samples collected, at Licensee’s expense. Licensee shall provide Licensor with copies of all sample results from the samples taken from the Property. The Licensee Parties shall provide Licensor with electronic or hard copies of any and all final reports submitted to the Regional Board or Regulatory Agency, including all analytical results, concerning the Site Work within fourteen (14) days of completion and submittal of such documents to the Regional Board or Regulatory Agency.
15. Notice. All notices required or permitted by this Agreement shall be in writing and shall be delivered personally, via facsimile, or by certified or registered mail, return receipt requested, addressed as follows:

To Licensor:

Mr. Ed Iskenderian
Iskenderian Racing Cams
16020 South Broadway
Carson, CA 90248

Telephone: (310) 217-9232
E-mail: iskenderianracing@yahoo.com

With Copies to:

Patrick L. Rendon, Esq.
Lamb & Kawakami LLP
333 S Grand Ave., Ste. 4200
Los Angeles, CA 90071

Telephone: (213) 630-5570
E-mail: prendon@lkfirm.com

To Licensee:

Leeann Davis,
President
San Pasqual Fiduciary Trust Company
550 South Hope Street, Suite 550
Los Angeles, CA 90071-2612

and

Susan Claman
1125 Casiano Road
Los Angeles 90049

With copies to:

Greenberg, Glusker, Fields, Claman
& Machtinger, LLP
1900 Avenue of the Stars, Suite 2100
Los Angeles, California 90067
Attention: Sedina L. Banks, Esq.

and

Poindexter & Doutré, Inc.
624 S. Grand Avenue, Suite 2420
Los Angeles, CA 90017
Attention: Robert D. Schwartz, Esq.

Each of the Parties shall have the right, by notice given in the same manner set forth above, to designate a different address to which subsequent notices shall be sent. Notice shall be deemed given when delivered, if delivered personally; at the time shown on the transmission confirmation receipt produced by the telecopy machine, if delivered via facsimile or email; or when mailed if delivered by certified or registered mail, return receipt requested. E-mail communications may be made; however, the e-mails are provided as a courtesy only and do not constitute or serve as effective notice under this Agreement.

16. One-Time Payment. Licensee shall make a one-time payment of Five Thousand Dollars (\$5,000) to Licensor for the right to install the Injection Piping which payment shall be made within ten (10) days of execution of this Agreement by Licensor and Licensee.
17. Closure and/or Relocation of the Well Equipment. This Agreement does not address the relocation and/or closure of the Well Equipment prior to the issuance of the NFA nor does this Agreement address the rights, remedies and damages arising from the installation, operation, relocation, closure or otherwise associated with the Well Equipment. The Parties acknowledge and agree that Licensor preserves its rights, remedies and damages available at law and in equity with respect to the installation, operation, relocation, closure or otherwise associated with the Well Equipment.
18. Entire Agreement. This Agreement contains the entire agreement between and among the Parties respecting the subject matter of this Agreement and supersedes all prior and contemporaneous understandings and agreements, whether oral or in writing, between the Parties respecting the subject matter of this Agreement, subject to Recital E of this Agreement.
19. No Admission of Liability. Nothing herein shall constitute an admission or acknowledgment by the Parties of any fact, liability, responsibility or fault, or proportionate share thereof, for any conditions at, on, beneath or emanating from the Anco Property or the Property. This Agreement shall not be used as evidence of any admission, acknowledgment or liability. Instead, the Parties' respective rights and remedies against one another and responsibilities/liabilities to each other shall be established in accordance with applicable law.
20. Choice of Law. This Agreement shall be governed by the laws of the State of California without giving effect to the principles of conflict of law.
21. Severability. If any term, covenant, condition or provision of this Agreement, or the application thereof to any person or circumstance, shall to any extent be held by a court of competent jurisdiction to be invalid, void or unenforceable, the remainder of the terms, covenants, conditions, or provisions of this Agreement, or the application thereof to any person or circumstance, shall remain in full force and effect and shall in no way be affected, impaired or invalidated thereby.
22. Waiver of Covenants or Conditions. The waiver by one Party of the performance of any covenant or condition under this Agreement shall not invalidate this Agreement nor shall it be considered a waiver of that covenant or condition or of any other covenant or condition under this Agreement.
23. Amendment. This Agreement may be amended at any time by the written agreement of the Parties. All amendments, changes, revisions, and discharges of this Agreement in whole or in part, and from time to time, shall be binding upon the Parties despite

any lack of legal consideration, so long as the same shall be in writing and executed by the Parties hereto.

24. Counterparts. This Agreement may be signed in more than one counterpart, each of which shall be deemed an original and all of which taken together shall constitute one and the same instrument. In addition, the Parties agree that electronic or facsimile signatures shall carry the same weight and effect as originals.
25. Reservation of Rights. This Agreement shall not limit or affect any other rights and remedies that Licensor may have against Licensee or anyone else or that Licensee may have against Licensor or anyone else with respect to the environmental conditions at, under or about the Property, including the groundwater and the impacts that such may have had and may have on the value and use of the Property. Accordingly, the Parties retain whatever other rights and remedies they may have available at law and in equity.
26. Drafting Ambiguities. The Parties agree that each Party and their respective counsel have reviewed this Agreement and were involved in the drafting thereof. As such, any rule of construction that that ambiguities are to be resolved against the drafter shall not apply in this Agreement.
27. Attorneys' Fees to Prevailing Party. In the event that any dispute arises out of the interpretation or enforcement of any provision of this Agreement, the successful or prevailing Party from any such dispute shall be entitled to recover from the other Party reasonable attorneys' fees and costs incurred in any lawsuit, arbitration, or other proceeding.
28. Successors and Assigns. This Agreement shall be binding on and shall inure to the benefit of the successors and assigns of the Parties, including, by way of example, but without limitation, their respective heirs, estates, legatees, and trustees and, in the case of Licensor, any purchaser or transferee of the Property. Licensor (and any subsequent purchaser or transferee of the Property) shall give notice of the existence of this Agreement and provide a copy of this Agreement to any purchaser or transferee of the Property.
29. No Recording of Agreement. In no event shall this Agreement or any memorandum hereof be recorded anywhere, including in the Official Records of Los Angeles County, California, and any such recordation or attempted recordation shall constitute a breach of this Agreement by the Party responsible for such recordation or attempted recordation.

IN WITNESS WHEREOF, the Parties hereto have caused this Agreement to be executed by their duly authorized representatives as of the day and year first above written. Each person signing this Agreement represents and warrants that he or she is duly authorized to enter into this Agreement by the Party on whose behalf it is indicated that the person is signing.

Notwithstanding their respective corporate by-laws and procedures, the Parties agree that one signature from each entity shall bind that Party.

“Licensor”

“Licensee”

THE ISKENDERIAN FAMILY GARDENA
PROPERTIES, LLC
a California limited liability company

Douglas A. Claman and Susan Claman,
Trustees of the Stephen and Renee Claman
Administrative Trust dated March 16, 1999

By Edward Iskenderian
Edward Iskenderian, Managing Member

By: _____
Douglas A. Claman, Trustee

By: _____
Susan Claman, Trustee

CDMJ, LLC, a California limited liability
company

By: _____
Michele Claman
Its Manager

SIGNATURES CONTINUED ON NEXT PAGE

Notwithstanding their respective corporate by-laws and procedures, the Parties agree that one signature from each entity shall bind that Party.

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company

By: _____
Michele Claman
Its Manager

SIGNATURES CONTINUED ON NEXT PAGE

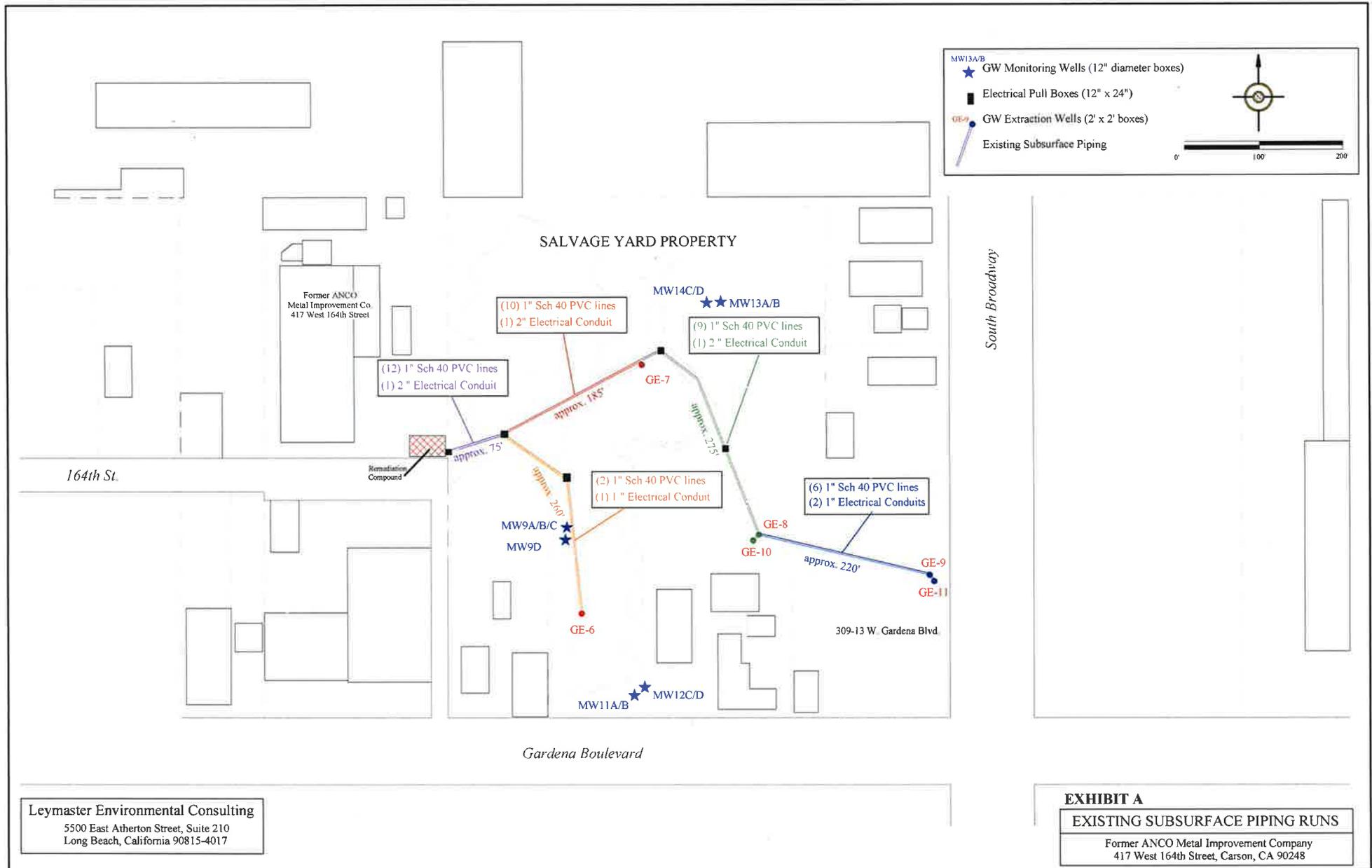
Douglas A. Claman and Susan Claman,
Trustees of the Stephen Claman Exempt and
Non-Exempt Trusts established under the
Florence Claman Living Trust of 1976

By: _____
Douglas A. Claman, Trustee

By: _____
Susan Claman, Trustee

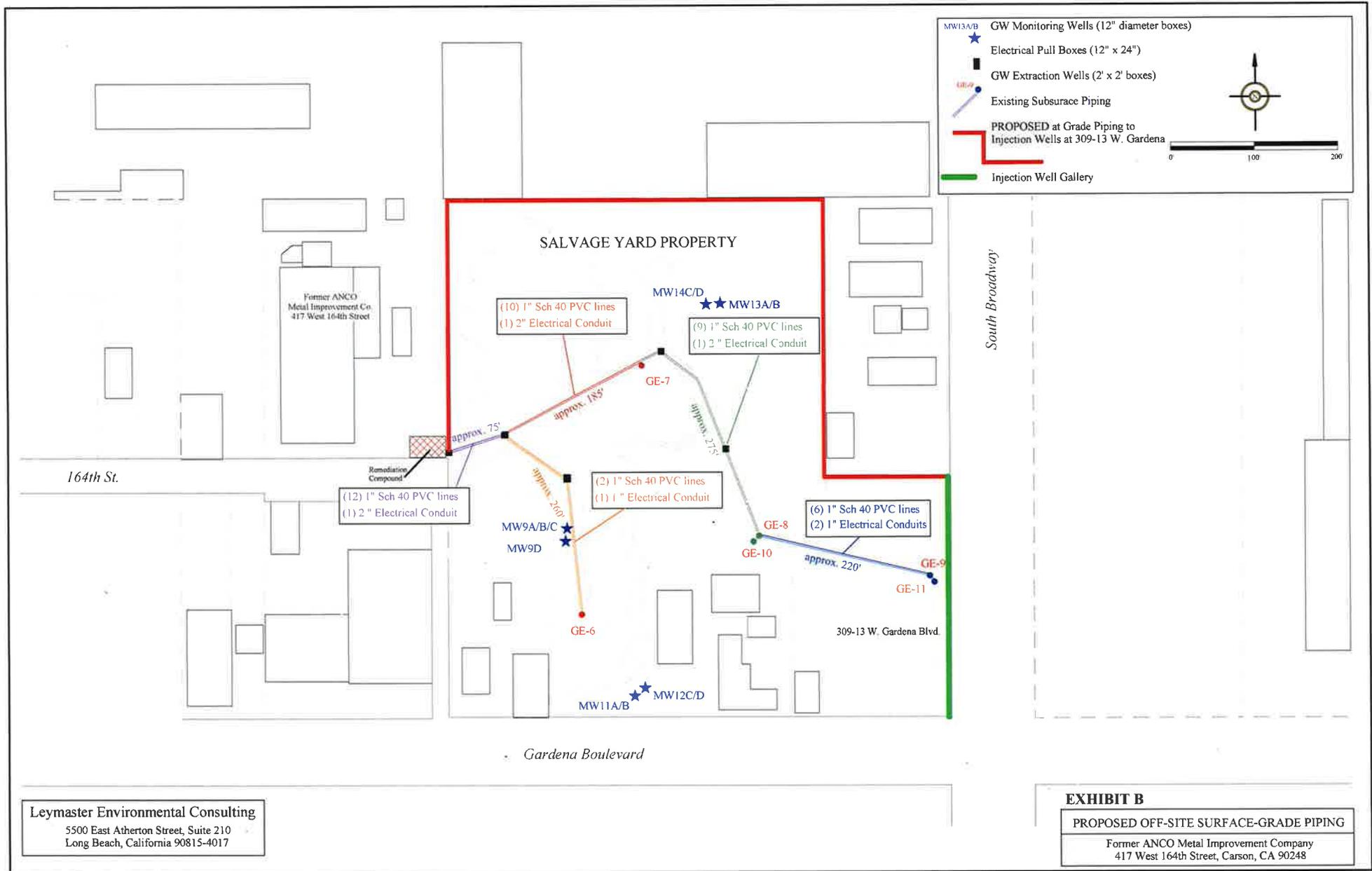
San Pasqual Fiduciary Trust Company, a
California corporation, Interim Trustee of the
Michael J. Quagletti and Peggy M. Quagletti
Trust dated May 10, 1980

By: _____
Leeann Davis
President



Leymaster Environmental Consulting
 5500 East Atherton Street, Suite 210
 Long Beach, California 90815-4017

EXHIBIT A
EXISTING SUBSURFACE PIPING RUNS
 Former ANCO Metal Improvement Company
 417 West 164th Street, Carson, CA 90248



MW13A/B

- ★ GW Monitoring Wells (12" diameter boxes)
- Electrical Pull Boxes (12" x 24")
- GW Extraction Wells (2' x 2' boxes)
- Existing Subsurface Piping
- PROPOSED at Grade Piping to Injection Wells at 309-13 W. Gardena
- Injection Well Gallery

Leymaster Environmental Consulting
 5500 East Atherton Street, Suite 210
 Long Beach, California 90815-4017

EXHIBIT B
PROPOSED OFF-SITE SURFACE-GRADE PIPING
 Former ANCO Metal Improvement Company
 417 West 164th Street, Carson, CA 90248



Los Angeles Regional Water Quality Control Board

September 7, 2016

The Michael J. Quagletti and Peggy M. Quagletti Family Trust, Dated May 10, 1980
The Administrative Trust under The Stephen and Renee Claman Trust, Dated March 16, 1999
The Stephen Claman Exempt and Non-Exempt Trusts established under the Florence Claman Living Trust of 1976

CDMJ, LLC
c/o Sedina Banks
Greenberg Glusker Fields Claman & Machtinger LLP
1900 Avenue of the Stars, 21st Floor
Los Angeles, CA 90067

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7014 2870 0001 4537 5503**

SUBJECT: APPROVAL OF PROPOSAL FOR IN-SITU CHEMICAL OXIDATION INJECTION FOR ADDITIONAL INTERIM GROUNDWATER REMEDIATION, PURSUANT TO CALIFORNIA WATER CODE SECTIONS 13267 AND 13304 ORDER

SITE/CASE: FORMER ANCO PLATING FACILITY, 417 WEST 164TH STREET, GARDENA, CALIFORNIA (SCP NO. 0714, SITE ID NO. 2041F00)

Dear Ms. Banks:

The California Regional Water Quality Control Board, Los Angeles Region (Regional Board) staff have reviewed the May 1, 2015, *Remedial Action Plan for Down-Gradient Groundwater* (RAP), submitted on your behalf by Leymaster Environmental Consulting, LLC for the site. The RAP was submitted in response to the Regional Board's February 8, 2008 CWC sections 13267 and 13304 Order (Order) requiring you to delineate the soil, soil gas, and groundwater plumes emanating from on-site source areas, and to remediate soil and groundwater to appropriate cleanup levels.

Pursuant to Section 13307.1 of the California Water Code (CWC), the Regional Board issued a letter on June 30, 2016, notifying the current fee title holders and site operators, at the former ANCO property and the off-site property where ISCO injection is to be performed, of our intent to approve the ISCO portion of the RAP. The letter also invited property owners and site operators to participate in the cleanup process by reviewing and providing comments on the RAP to the Regional Board by August 1, 2016. To date, no comments have been received pertaining to the RAP.

Summary of the RAP

The RAP proposes to further remediate volatile organic compounds (VOCs) in groundwater using in-situ chemical oxidation (ISCO) technology to inject a blend of potassium permanganate and treated groundwater effluent (diverted from the existing groundwater extraction system) into the down-gradient VOC groundwater plume. The RAP also proposes monitored natural attenuation (MNA) as a remedial

September 7, 2016

7. In the event that the interim remedial actions (both approved herein and previously implemented) for the site plume are unable to reduce VOC concentrations in groundwater to the MCLs (or other cleanup goals approved by the Regional Board) within a reasonable time frame, or if elevated concentrations of VOCs are determined to be continuously migrating down-gradient beyond the ISCO injection treatment zone, additional active remediation may be required to achieve MCLs or other approved cleanup goals.

B. The proposal to implement MNA, following the completion of the interim active remedial actions, is not approved at this time. Before the Regional Board can consider an MNA proposal, the vertical and lateral extent of the groundwater plume must first be adequately defined, and groundwater must be actively remediated to the most economically and technologically feasible extent possible.

The above requirements for submittal of technical reports, as specified in items 3 and 5 above, constitute an amendment to the requirements of the California Water Code sections 13267 and 13304 Order originally dated February 8, 2008. All other aspects of the sections 13267 and 13304 Orders originally dated February 8, 2008, and the amendments thereto, remain in full force and effect. The required technical reports are necessary to investigate the characteristics of and extent of the discharges of waste at the site and to evaluate cleanup alternatives. Therefore, the burden, including costs, of the reports bears a reasonable relationship to the need for the reports and benefits to be obtained. Pursuant to section 13350 of the California Water Code, failure to submit the required technical reports by the specified due dates may result in imposition of civil liabilities administratively by the Regional Board in an amount up to five thousand dollars (\$5,000) per day for each day the technical report is not received, and the matter may be referred to the Attorney General for further enforcement. The Regional Board reserves its right to take any further enforcement action authorized by law.

Should you have any questions, please contact Mr. Gregg Crandall at (213) 576-6701 or gregg.crandall@waterboards.ca.gov.

Sincerely,



Samuel Unger, PE
Executive Officer

cc: Charles Lindeman, Leymaster Environmental Consultants, LLC
Roy Murdock, Valence Coast Plating, Carson, CA
Matthew Alty, Valence Surface Technologies, Gardena, CA
San Pasqual Fiduciary Trust Company, 550 Hope Street, Suite 550, Los Angeles, CA 90071-2612
Attn: Leeann Davis, COO
Poindexter & Doutre, Inc., 624 South Grand Avenue, Suite 2420, Los Angeles, CA 90017
Attn: Robert D. Schwartz, Esq.
Steinberg & Foster, LLP, 1334 Park View Avenue, Suite 100, Manhattan Beach, CA 90266
Robert Haft, 129 19th Street, Manhattan Beach, CA 90266
The Michael J. Quagletti and Peggy M. Quagletti Family Trust, Dated May 10, 1980
(c/o Sedina Banks, Greenberg Glusker Fields Claman & Machtinger LLP)
The Administrative Trust under The Stephen and Renee Claman Trust, Dated March 16, 1999
(c/o Sedina Banks, Greenberg Glusker Fields Claman & Machtinger LLP)

Remedial Action Plan for Down-Gradient Groundwater

Former ANCO Metal Improvement Company
417 West 164th Street
Carson, California 90248

SCP No. 0714
Site ID No. 2041F00
Global ID No. SL2041F1507

May 1, 2015



Mark Leymaster
Environmental Professional



Paul Lipinski
Professional Geologist No. 3991

Prepared by:

Leymaster Environmental Consulting, LLC
5500 East Atherton Street, Suite 210
Long Beach, California 90815
www.leymaster.net

FIGURES (continued)

Cross Section A-A' PCE Iso-Concentration Contours	Figure 12
Cross Section A-A' TCE Iso-Concentration Contours	Figure 13
Cross Section A-A' cis-1,2-DCE Iso-Concentration Contours	Figure 14
Cross Section A-A' 1,1-DCE Iso-Concentration Contours	Figure 15
Cross Section A-A' 1,1-DCA Iso-Concentration Contours	Figure 16
Injection Well Locations	Figure 17
Injection Well Designs	Figure 18

TABLES

Groundwater Elevation Data (1997 – 2015)	Table 1
Groundwater Analytical Data (VOCs)	Table 2

ATTACHMENTS

Contaminant Concentration Graphs For Selected Monitoring Wells	Attachment I
Groundwater Parameters	Attachment II
Groundwater VOC Mass Calculations	Attachment III
MNA Calculations	Attachment IV
RemOx Fact Sheet	Attachment V
ISCO Estimation Spreadsheet	Attachment VI

materials-storage areas. The results indicated that elevated concentrations of PCE were present in the soil sample collected in the vicinity of the vapor degreaser.

Two soil-vapor investigations were conducted in 1996. Results of these investigations indicated the presence of elevated concentrations of PCE in soil-vapor samples collected in the vicinity of the vapor degreaser and in the south-central portion of the building. The elevated concentrations of PCE were detected at multiple depths down to the groundwater table.

Additional soil and groundwater investigations were conducted in 1997 and 1998 to further characterize the subsurface impact in the vicinity of the vapor degreaser. The investigations included the drilling of 11 soil borings and the installation and sampling of 5 groundwater monitoring wells. Results of the investigation indicated that the highest concentrations of PCE were in soil samples collected from depths of 35 and 40 feet (within the capillary fringe above the water table). Elevated concentrations of PCE were also detected in soil samples collected at depths of 5 and 10 feet from a boring near the vapor degreaser. Elevated concentrations of PCE were present in groundwater samples collected from up-gradient and down-gradient wells. The groundwater samples also contained elevated concentrations of trichlorofluoromethane (Freon 11) and trichloroethene (TCE).

The vapor degreaser was removed and the impacted soil beneath the degreaser was excavated and disposed of offsite during the first half of 1998. An area approximately 15 feet long by 13 feet wide by 15 feet deep was excavated during February 23 and 24, 1998. Approximately 110 cubic yards of soil were removed from the excavation and shipped offsite for recycling. Fourteen confirmation soil samples, collected from the four side walls and from the floor of the excavation, were analyzed for halogenated volatile organic compounds (X-VOCs) by EPA Method 8010.

The RWQCB granted soil closure for the site on April 30, 1999, and requested that C&Q perform semi-annual groundwater sampling for a period of two years.

An additional groundwater investigation was conducted in June 2000, during which two Hydropunch groundwater samples (GW6 and GW7) were collected. GW6 was located within the subject building, adjacent to the southeast (down-gradient) of the former vapor degreaser. GW7 was located just outside the subject building, adjacent to the southeast (down-gradient) of GW6. Elevated levels of PCE were detected in both samples. In December 2005 and January 2006, three additional groundwater monitoring wells were installed on the down-gradient portion of the subject site. In October 2006, 10 groundwater samples (GW9 – GW20) and 13 soil-vapor samples were collected on-site and down-gradient from the site. PCE was detected in all the groundwater and soil-vapor samples. Between April and September, 2007, a total of 18 Hydropunch borings (GW21

site to obtain radius of influence data and confirmation soil-vapor samples following the completion of vapor extraction activities. The results of the May 2010 sampling are presented in the Leymaster Environmental Consulting (LEC) May 14, 2010 *Soil-Vapor Investigation Report*.

On August 23, 2010, groundwater samples CPT-4A, B, C, and D were collected from depths of 45, 65, 85, and 108 feet, respectively, from a location down-gradient of the identified groundwater PCE plume. 1,2-DCA (104 µg/l) was detected in groundwater at 85 feet bgs; TCE (397 µg/l) was detected in groundwater at 108 feet bgs. The results of the sampling were presented in LEC's September 14, 2010 *Downgradient Groundwater Contamination Delineation Report*.

A February 16, 2011, RWQCB letter requested additional soil samples to aid in determining whether soil physical parameters used in LEC's May 14, 2010, *Subsurface Soil-Vapor Investigation Report* risk assessment were representative of shallow soil conditions across the study area. Based on this request, on August 10, 2011, LEC collected soil samples from depths of five feet from three locations across the study area. The samples were analyzed for soil physical parameters and a second human health risk assessment was performed. The results of the soil sample analyses and human health risk assessment were presented in LEC's September 26, 2011 *Shallow Soil Sampling Report*. In a December 22, 2011, letter, the RWQCB approved the revised human health risk assessment and stated that "*no additional assessment of shallow soil vapor is required for the investigated/study area at this time.*"

On August 10, 2011, groundwater monitoring well OW-4D was installed adjacent to the west of nested monitoring well OW-4 (A, B, and C). The screened interval in well OW-4D extends from 110-120 feet bgs. On March 20 and 21, 2012, groundwater monitoring wells MW-15 and MW-16 were installed on the east side of Broadway in the AT&T service yard, northeast of nested monitoring well OW-4 (Figure 2 – Site Plot Plan). Well MW-15 is screened across the A/B-Zone from 35-65 feet bgs; well MW-16C is screened across the C-Zone from 80-85 feet bgs.

During December 2013, groundwater monitoring wells MW-17A, MW-17C, and MW-17D were installed approximately 500 feet directly down-gradient (southeast) from multi-depth monitoring well MW-10 (Figure 2 – Site Plot Plan). Well MW-17A is screened across the A/B-Zone from 35-65 feet bgs. Wells MW-17C and MW-17D are screened in the C-Zone (73-78 feet bgs) and D Zone (110-120 feet bgs), respectively.

LEC, with the RWQCB's assistance, is currently working on obtaining access to install another set of groundwater wells down-gradient of MW-17.

Historical water-level data are listed in Table 1. Figure 3 shows water-level contours based on the most recent the First Quarter 2015 measurements. These 2015 contours demonstrate the influence of the current groundwater extraction scheme at the facility.

Analytical results for groundwater samples collected from monitoring wells during Fourth Quarter 2014 sampling are summarized in the following table, are shown in Figure 4, and are presented in Table 2 (which includes historical analytical data through First Quarter 2015) following the text of this report.

VOC Analytical Results Fourth Quarter 2014

MW ID	Date	PCE (µg/L)	TCE (µg/L)	c-1,2-DCE (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)
Group A/B							
MCL		5.0	5.0	6.0	6.0	5.0	0.5
MW-10A	11/20/14	240	22	16	<1	<1	<0.5
MW-10B	11/20/14	1,200	72	54	23	<1	<0.5
MW-15	11/20/14	170	25	<1	16	<1	<0.5
MW-17A	11/20/14	280	500	24	<1	<1	<0.5
OW-4A	11/19/14	33	4.3	<1	<1	<1	<0.5
OW-4B	11/19/14	1,100	68	23	8.1	<1	<0.5
Group C							
MCL		5.0	5.0	6.0	6.0	5.0	0.5
MW-10C	11/20/14	830	27	<1	14	<1	<0.5
MW-16C	11/20/14	34	16	<1	20	<1	<0.5
MW-17C	11/20/14	190	51	39	<1	<1	<0.5
OW-4C	11/19/14	1,900	91	5.3	32	3.9	<0.5
Group D							
MCL		5.0	5.0	6.0	6.0	5.0	0.5
MW-17D	11/19/14	<1	36	8	<1	<1	<0.5
OW-4D	11/19/14	8.8	47	<1	<1	<1	<0.5
MCL = Maximum Contaminant Level for drinking water.							

Figures 5, 6, 7, 8 and 9 show Fourth Quarter 2014 iso-concentrations in the deep A/B-Zone for PCE and TCE, and Second Quarter 2014 iso-concentrations in the deep A/B Zone for cis-1,2-DCE, 1,1-DCE, and 1,1-DCA, respectively. Figure 10 shows the Fourth Quarter 2014 iso-concentrations for PCE in the C-Zone. Figure 11 identifies the cross-sectional location for the site, as well as Fourth Quarter 2014 PCE and TCE concentrations detected in the D-Zone. Figures 12, 13, 14, 15, and 16 show the Fourth Quarter 2014 cross-section iso-concentrations for

Data collected during the First Quarter 2014 monitoring event were used to complete the NAS modeling (Attachment II – First Quarter 2014 Groundwater Parameters). The NAS program also requires hydro-geologic estimates for hydraulic gradient, effective porosity, total porosity, and hydraulic conductivity.

LEC measured the hydraulic gradient at 0.005 ft/ft prior to remediation. The effective porosity obtained from the LEC pump test completed in 2010 is 0.07. The total porosity is estimated at 0.2 based on the lithology.

Hydraulic conductivity was calculated based on the groundwater velocity. The groundwater velocity is based on the site being developed in 1967 which marks the potential beginning of the groundwater contamination at the site. Groundwater monitoring well MW-17 was installed in 2013 and analytical results indicated that contaminants presumably from ANCO had already reached that well. Monitoring well MW-17 is approximately 1,555 feet from the subject site. The assumption is made that the groundwater was not contaminated on the first day of operation in 1967 and that the contaminants had not first appeared at the MW-17 location the first day it was sampled. Removing 10 years from the possible 47 years and dividing 1,555 feet by 37 years results in 42 feet/year for the groundwater velocity. The minimum groundwater velocity can be used to calculate the minimum hydraulic conductivity which results in 2×10^{-5} centimeters/second.

The contaminant source length, width, thickness, and mass were also required for the NAS program. The program requires data from monitoring wells along the centerline of the contaminant plume, which in this case is OW4, MW-10, and MW-17. The analytical data from OW4 prior to start up of the remediation system (April 2010) will be used along with the more recent data from First Quarter 2014 for MW-10 and MW-17. The Second Quarter 2014 analytical data from OW4 cannot be used because the VOC concentrations have decreased due to the groundwater extraction system. MNA calculations were run for both the A/B and C-Zones.

Based on Second Quarter 2014 contaminant iso-concentration contours, the plume length for the A/B-Zone is estimated at 825 feet; the A/B-Zone plume width is estimated at 350 feet; the A/B-Zone plume thickness is estimated at 25 feet.

Based on Second Quarter 2014 contaminant iso-concentration contours, the plume length for the C-Zone is also estimated at 825 feet; the C-Zone plume width is estimated at 200 feet; the C-Zone plume thickness is estimated at 5 feet.

The last calculation was run to determine at what maximum distance the contaminants will achieve MCLs in the C-Zone with no further remediation. This calculation resulted in the estimated maximum distance of 2,995 feet from OW4 to achieve MCLs with no further remediation.

6.0 Identification and Evaluation of Corrective Measures Technologies

An evaluation of corrective measure technologies (feasibility study) was completed to address the off-site, down-gradient groundwater contamination that is beyond the reach of the current remediation system.

6.1 Remedial Action Objectives

This section presents the remedial action objectives (RAOs) for off-site, down-gradient groundwater beyond the reach of the current remediation system. These RAOs represent specific remedial goals for down-gradient groundwater that result in the protection of human health and the environment.

RAO No. 1: Provide a remedial approach to minimize additional migration of VOCs down-gradient from the “capture zone” of the current groundwater extraction system.

RAO No. 2: Assure that potable groundwater would not be impacted at concentrations greater than the MCLs by chemicals that originated at the site.

The following remedial options are presented and have been evaluated based on the known site conditions and the remediation objectives.

6.2 Remedial Options

The five down-gradient groundwater remedial options evaluated are:

- No Action
- Monitored Natural Attenuation
- Groundwater Extraction and Treatment
- Air Sparging
- In-situ Chemical Oxidation

6.3 Screening of Remedial Options

The initial screening of potential remedial options was conducted by performing general evaluations of the alternatives relative to the following criteria:

- There would be no verification of the decrease in VOCs to concentrations below levels of concern.
- Relative Cost
 - There is no cost for this remedial option.
- Retention for Further Consideration
 - Rejected as remedial option because it does not meet RAO 1.

6.4.2 Monitored Natural Attenuation

- Scope
 - Continue to conduct groundwater monitoring on existing wells on a semi-annual basis; collect and analyze groundwater samples for VOCs to monitor changes in concentration over time.
- Implementation
 - Readily implemented.
- Effectiveness
 - Time-frame could be extensive without reducing the most significant concentrations beyond the reach of the current groundwater extraction system.
 - The VOC-impacted groundwater will eventually be remediated by natural processes.
 - There would be verification of the VOC decrease to concentrations below levels of concern.
- Relative Cost
 - The cost of monitored natural attenuation is minimal.
- Retention for Further Consideration
 - Accepted as potential remedial option.

6.4.3 Groundwater Extraction and Treatment

- Scope
 - Installation of down-gradient groundwater extraction wells on the far side of major public right-of-way(s).
 - Trenching beneath major public right-of-way(s) and connecting extraction wells to treatment system.

- Effectiveness
 - Air sparging in the C-Zone would not work due to confining layer above C-Zone.
 - Effective for removal and reduction of groundwater contaminant concentrations in A/B-Zone within radius of influence of air-sparge points.
 - Unknown increase of risk for vapor intrusion over an expanded area.
- Relative Cost
 - High capital costs for installing numerous air-sparge points and vapor extraction wells covering the down-gradient VOC-impacted area, and connecting the points and wells under private property and major public right-of-way(s)
 - Low to moderate O&M costs.
- Retention for Further Consideration
 - Rejected as remedial option due to access limitations, unknown vapor intrusion impact, and inability to address C-Zone impacts.

6.4.5 In-situ Chemical Oxidation

- Scope
 - Installation of injection wells on off-site property without crossing major public right-of-way(s).
 - Injection of a medium similar to potassium permanganate.
 - Continue to conduct semi-annual groundwater monitoring of existing wells; collect and analyze samples for VOCs to monitor changes in concentration over time.
- Implementation
 - Access to install injection points and connecting piping may be limited.
 - Continuous injection of potassium permanganate over an extended period of time would likely be required.
- Effectiveness
 - Effective for mass removal and reduction of groundwater contaminant concentrations.
 - Would treat down-gradient VOC-impacted groundwater that is beyond the reach of the existing groundwater remediation system.
 - Would not treat VOC-impacted groundwater currently being treated by the existing remediation system.

addition, MCLs can be obtained at monitoring well MW-17, approximately 780 feet down-gradient, in 1 to 30 years with an average of 8 years, if PCE concentrations are lowered to 72 µg/l and cis-1,2-DCE concentrations are lowered to 10 µg/l at well OW4.

Similar calculations for the C-Zone indicate that if a PCE concentration of 12 µg/l and TCE of 7 µg/l is achieved at OW4, then MCLs can be reached at MW-10 in 1 to 24 years with an average of 6 years after source reduction. MCLs can be obtained at MW-17 in 1 to 38 years with an average of 10 years, if PCE and TCE concentrations are lowered at well OW4 to 36 µg/l and 10 µg/l, respectively.

The ISCO Reagents Estimation Spreadsheet (See Attachment VI-ISCO Estimation Spreadsheet) was used to calculate that approximately 360,000 pounds of RemOx[®] S may be required for this site's down-gradient plume. Soil samples will be collected during the installation of the down-gradient injection wells. These samples will be analyzed for permanganate natural oxidant demand (PNOD) using ASTM Method D7262-07, Test Method A. The analytical results will be used to better estimate the amount of KMnO₄ needed to overcome the subsurface's natural oxidant demand and successfully remediate impacted groundwater beyond the reach of the current groundwater extraction wells.

A series of down-gradient A/B-Zone injection wells and C-Zone injection wells will be installed as indicated in Figure 17. The location of the wells may be adjusted based on the presence of underground utilities, physical obstructions or logistical drilling problems. Extraction wells GE-9 and GE-10 will be turned off during in-situ treatment due to their close proximity to the proposed injection wells.

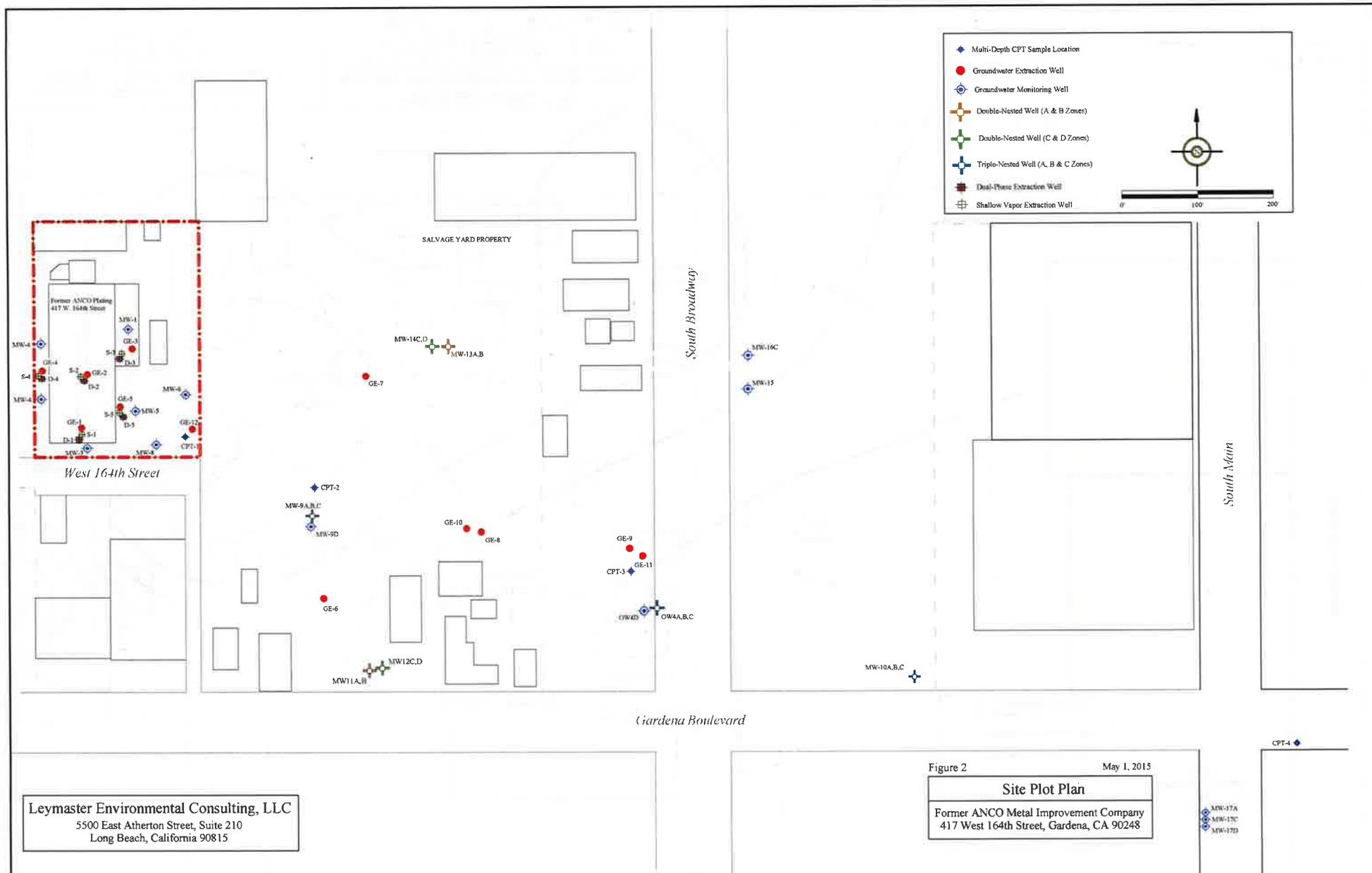
The groundwater extraction system is expected to generate approximately 50 gallons per minute (GPM). A metered chemical pump will inject a KMnO₄ reagent similar to RemOx[®] S, supplied by Carus Remediation (See Attachment V-RemOx Fact Sheet) into the GAC-treated groundwater at a rate not to exceed 50 grams of KMnO₄ per liter of groundwater. The calculated total of reagent (360,000 lbs) will be injected into the down-gradient A/B- and C-Zones over an extended time period. More reagent may be required if monitoring indicates the target concentrations at OW4 are not met.

A total of 15 groundwater injection wells are proposed for treating the down-gradient A/B-Zone and 7 injection wells for treating the down-gradient C-Zone (Figure 17). The injection wells will be installed using the hollow-stem auger drilling method. A California Registered Geologist will supervise or conduct this scope of work and log the borings according to the Unified Soil Classification System (USCS) convention.

I, Leeann Davis, Chief Operating Officer of San Pasqual Trust Fiduciary Company, a California corporation, interim trustee of the Michael J. Quagletti and Peggy M. Quagletti Trust dated May 10, 1980 ("Trust"), appointed pursuant to that order dated March 18, 2011 of the Los Angeles County Superior Court, Case No. BP123670, do hereby declare, under penalty of perjury under the laws of the State of California, that the Trust formerly co-owned an indirect interest in the Former ANCO Metal Improvement Company property located at 417 West 164th Street, Gardena, CA 90248, that I am authorized to attest to the veracity of the information contained in the *Remedial Action Plan for Down-Gradient Groundwater*, dated May 1, 2015 ("RAP") as follows: I have reviewed the RAP and to my knowledge based solely on the representation of Leymaster Environmental Consulting, LLC, the information contained in the RAP, is true and correct, and that this declaration was executed in Los Angeles, California, on April 23, 2015.



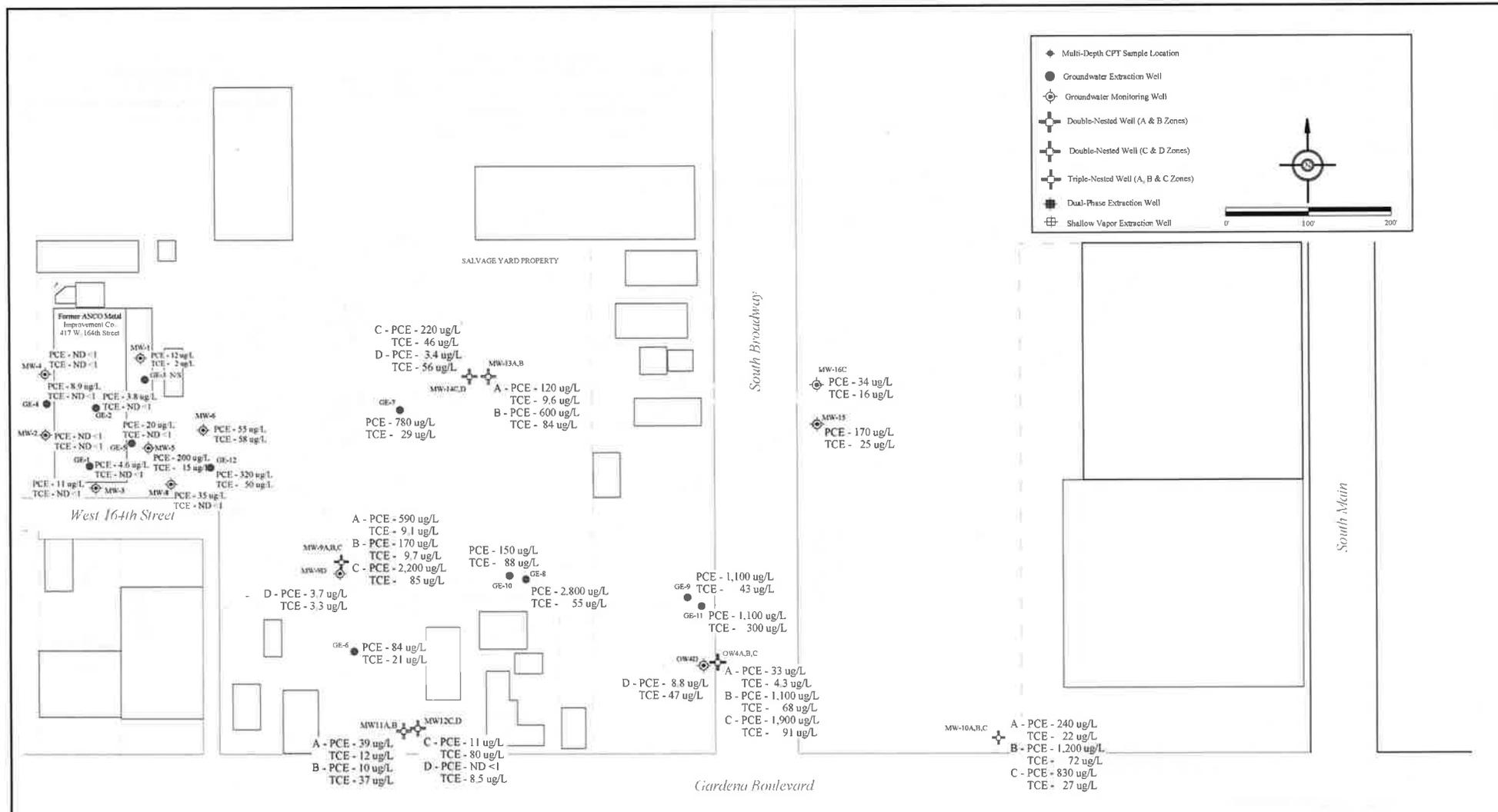
Leeann Davis, Chief Operating Officer of
San Pasqual Fiduciary Trust Company, a
California corporation, interim trustee of the
Michael J. Quagletti and Peggy M. Quagletti
Trust dated May 10, 1980



Leymaster Environmental Consulting, LLC
 5500 East Atherton Street, Suite 210
 Long Beach, California 90815

Figure 2
 Site Plot Plan
 Former ANCO Metal Improvement Company
 417 West 164th Street, Gardena, CA 90248

MW-17A
 MW-17C
 MW-17D



Leymaster Environmental Consulting, LLC
 5500 East Atherton Street, Suite 210
 Long Beach, California 90815

FIGURE 4
 January 15, 2015
 FOURTH QUARTER 2014 Groundwater Analytical Results for PCE & TCE
 Former ANCO Metal Improvement Company
 417 West 164th Street, Gardena, CA 90248

MW-17A
 MW-17C
 MW-17D
 A - PCE - 380 ug/L
 TCE - 500 ug/L
 C - PCE - 190 ug/L
 TCE - 51 ug/L
 D - PCE - ND <1
 TCE - 36 ug/L

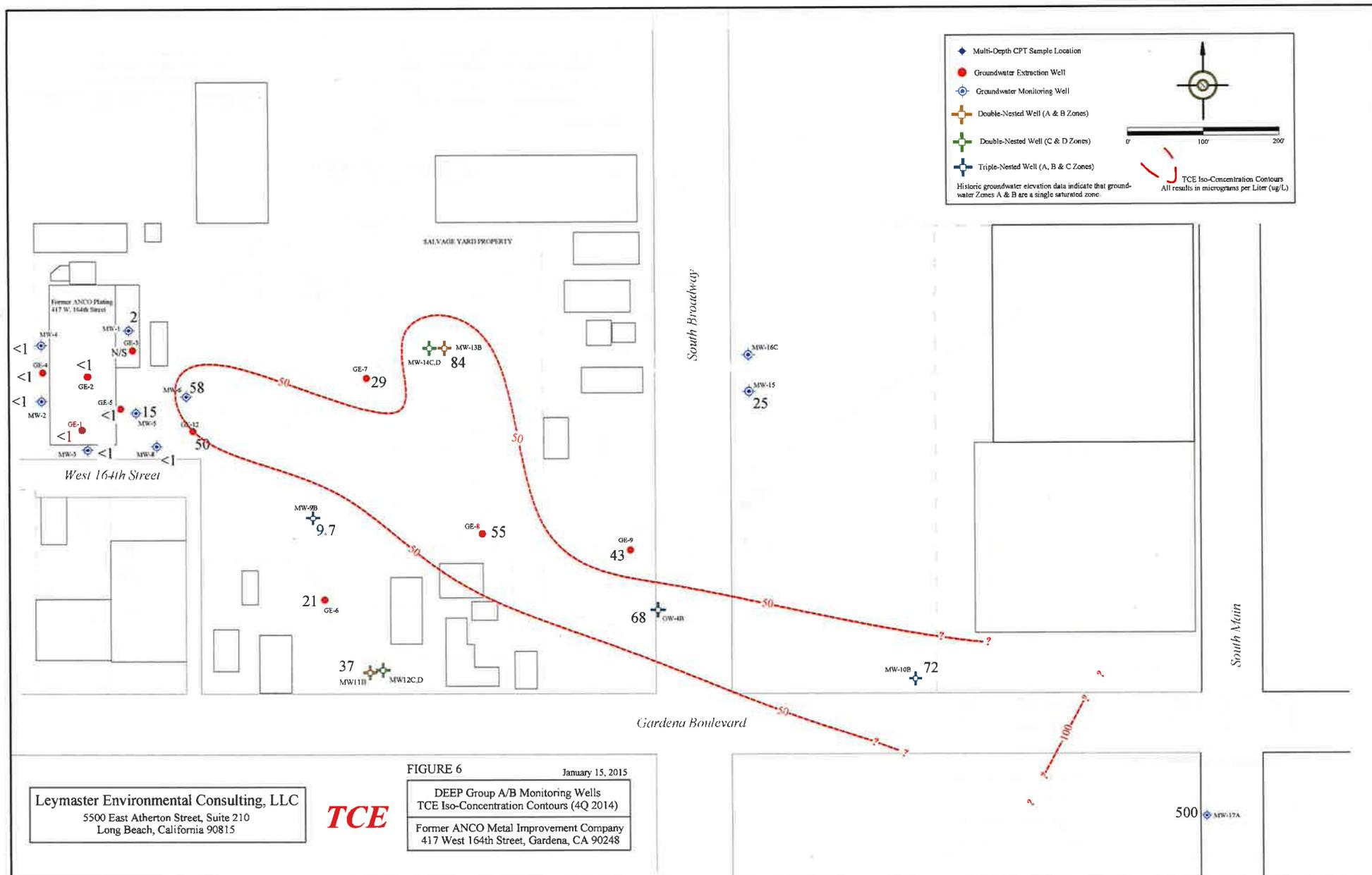
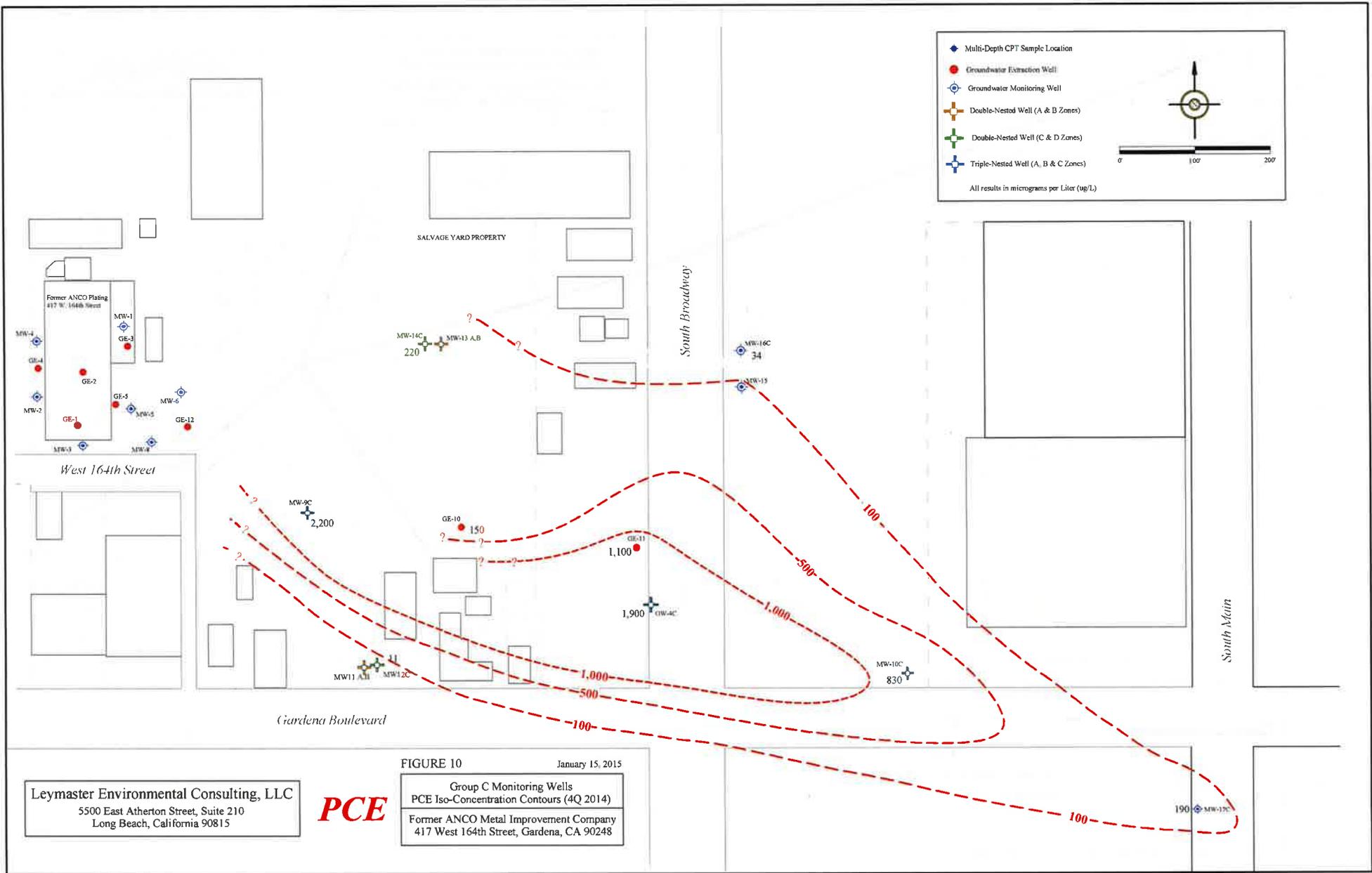


FIGURE 6 January 15, 2015
 DEEP Group A/B Monitoring Wells
 TCE Iso-Concentration Contours (4Q 2014)
 Former ANCO Metal Improvement Company
 417 West 164th Street, Gardena, CA 90248

Leymaster Environmental Consulting, LLC
 5500 East Atherton Street, Suite 210
 Long Beach, California 90815

TCE



- ◆ Multi-Depth CPT Sample Location
- Groundwater Extraction Well
- ⊕ Groundwater Monitoring Well
- ⊕ Double-Nested Well (A & B Zones)
- ⊕ Double-Nested Well (C & D Zones)
- ⊕ Triple-Nested Well (A, B & C Zones)

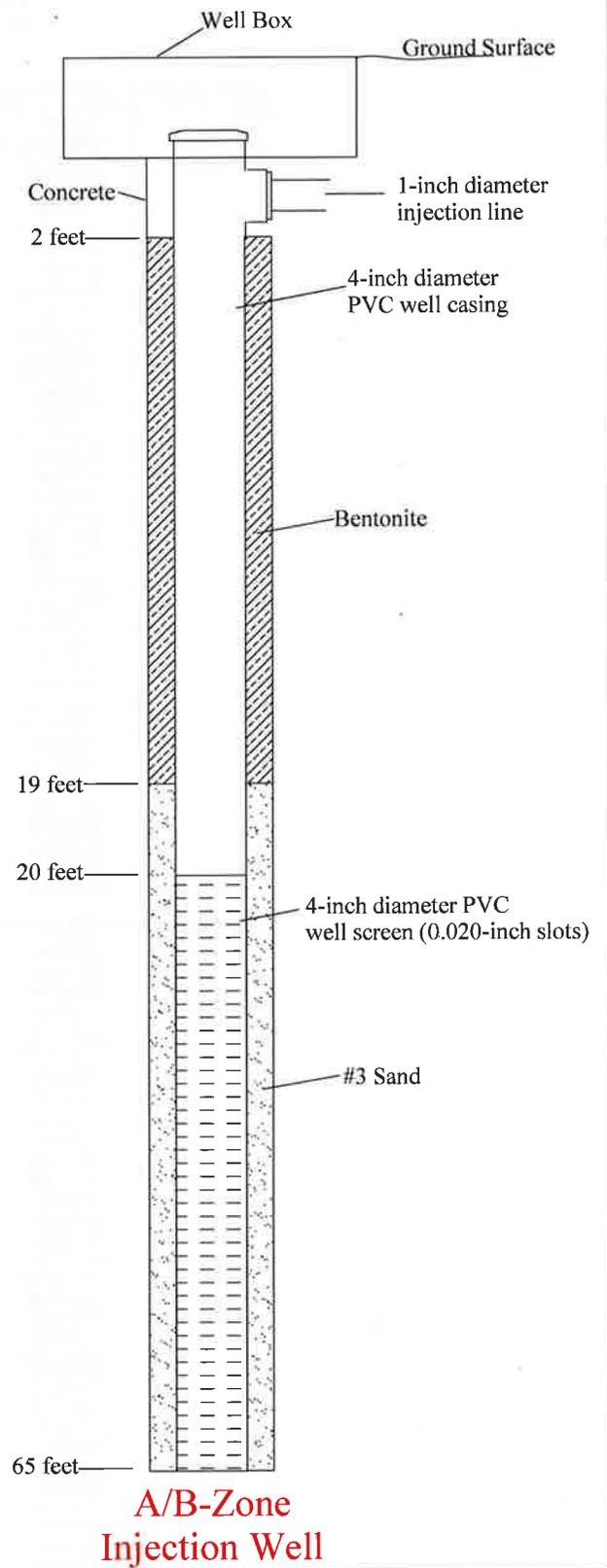
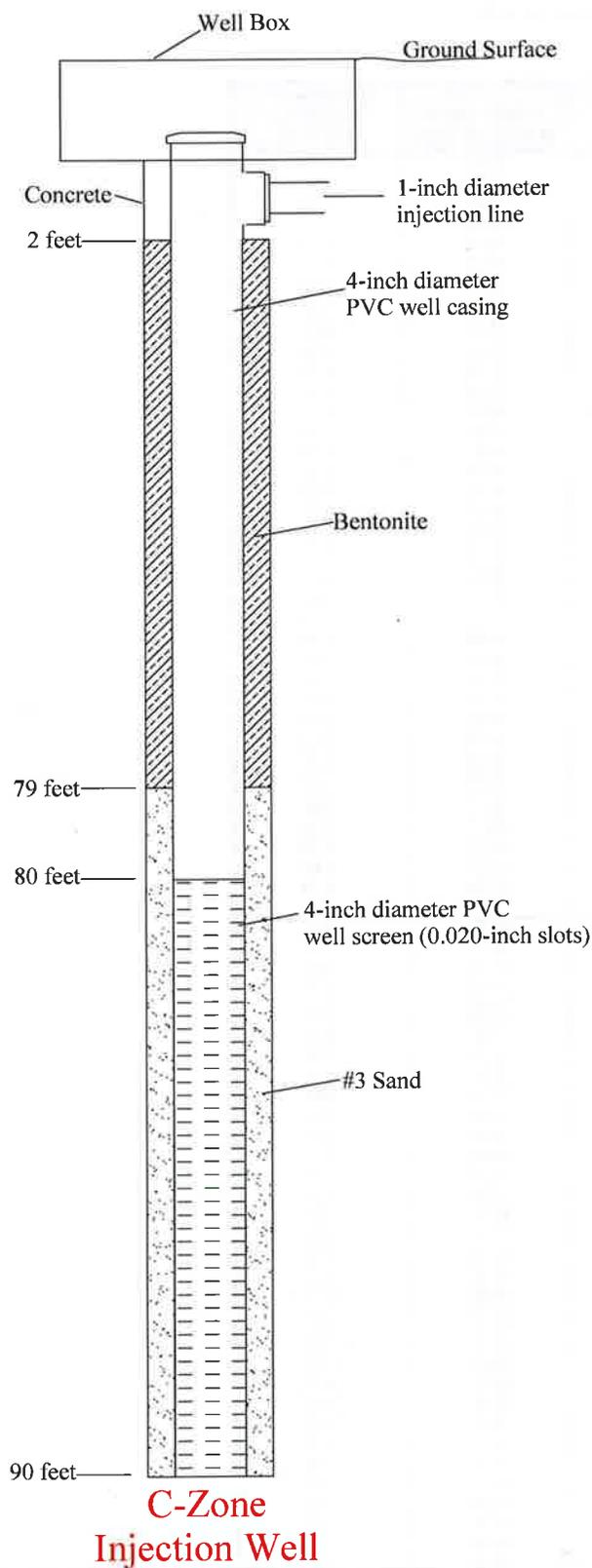
0 100 200'

All results in micrograms per Liter (ug/L)

FIGURE 10 January 15, 2015
 Group C Monitoring Wells
 PCE Iso-Concentration Contours (4Q 2014)
 Former ANCO Metal Improvement Company
 417 West 164th Street, Gardena, CA 90248

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Leymaster Environmental
 Consulting, LLC
 5500 E. Atherton Street, Suite 210
 Long Beach, California 90815
 (562) 799-9866

Figure 18
 Injection Well Designs
 417 W. 164th Street
 Gardena, CA

Table 1
 Groundwater Elevation Data (1997 - 2015)
 Former ANCO Metal Improvement Company
 417 W. 164th Street, Gardena, CA 90248

Well	Date Measured	Top of Casing Elevation (feet MSL)	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)
MW-2 cont'd	5/15/2014		42.97	-1.09
	8/19/2014		41.75	0.13
	12/15/2014		40.18	1.70
	2/27/2015		41.95	-0.07
MW-3	3/22/1997	41.61	39.89	1.72
	3/8/1998		38.78	2.83
	6/4/1999		37.30	4.31
	12/29/1999		37.35	4.26
	3/14/2000		37.29	4.32
	6/23/2000		37.35	4.26
	12/13/2000		37.54	4.07
	10/4/2001		37.13	4.48
	3/27/2003		37.51	4.10
	7/15/2004		37.61	4.00
	3/10/2005		36.51	5.10
	1/12/2006		36.12	5.49
	7/21/2006		35.81	5.80
	10/24/2006		35.75	5.86
	1/30/2007		35.89	5.72
	5/18/2007		35.92	5.69
	9/27/2007		36.29	5.32
	12/17/2007		36.27	5.34
	3/12/2008		36.06	5.55
	6/6/2008		35.92	5.69
	9/9/2008	41.54	36.22	5.32
	12/20/2008		36.07	5.47
	4/27/2010		40.32	1.22
	10/27/2010		42.18	-0.64
	4/7/2011		39.78	1.76
	9/12/2011		37.13	4.41
	6/28/2012		40.40	1.14
	11/28/2012		41.86	-0.32
	5/9/2013		42.86	-1.32
	9/3/2013		43.83	-2.29
	12/2/2013		40.85	0.69
	2/21/2014		41.73	-0.19
	5/15/2014		43.32	-1.78
8/19/2014		42.72	-1.18	
12/15/2014		40.68	0.66	
2/27/2015		MW-3 casing damaged; well to be re-surveyed		
MW-4	3/8/1998	42.03	38.70	3.33
	6/4/1999		37.32	4.71
	12/29/1999		37.41	4.62
	3/14/2000		37.25	4.78
	6/23/2000		37.42	4.61
	12/13/2000		37.59	4.44
	10/4/2001		37.21	4.82
	3/27/2003		37.41	4.62
	7/15/2004		37.66	4.37
	3/10/2005		36.46	5.57
	1/12/2006		36.12	5.91
	7/21/2006		35.83	6.20
	10/24/2006		35.85	6.18
	1/30/2007		35.93	6.10
	5/18/2007		35.95	6.08
	9/27/2007		36.31	5.72
	12/17/2007		36.21	5.82
	3/12/2008		36.05	5.98
	6/6/2008		35.96	6.07
	9/9/2008		36.13	5.90
12/20/2008		36.19	5.84	
4/27/2010		40.47	1.56	
10/27/2010		41.61	0.42	
4/7/2011		38.80	3.23	
9/12/2011		36.96	5.07	
6/28/2012		38.71	3.32	
11/28/2012		40.60	1.43	
5/9/2013		40.89	1.14	
9/3/2013		42.40	-0.37	

Table 1
 Groundwater Elevation Data (1997 - 2015)
 Former ANCO Metal Improvement Company
 417 W. 164th Street, Gardena, CA 90248

Well	Date Measured	Top of Casing Elevation (feet MSL)	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)
MW-7	1/12/2006	41.91	37.04	4.87
	4/21/2006		36.91	5.00
	7/21/2006		36.74	5.17
	10/24/2006		36.78	5.13
	1/30/2007		37.09	4.82
	5/18/2007		36.75	5.16
	9/27/2007		37.08	4.83
	12/17/2007		37.01	4.90
	3/12/2008		36.91	5.00
	6/6/2008		36.64	5.27
	9/9/2008		36.96	4.95
	12/20/2008		37.21	4.70
	4/28/2010		40.37	1.54
	10/27/2010		41.54	0.37
	3/17/2011		38.73	3.18
	3/24/2011		39.65	2.26
	4/5/2011		40.44	1.47
	4/8/2011		40.52	1.39
	9/12/2011		38.56	3.35
	2012		MW-7 converted to GW extraction well GE-12	
MW-8	1/12/2006	41.56	36.55	5.01
	4/21/2006		36.40	5.16
	7/21/2006		36.24	5.32
	10/24/2006		36.28	5.28
	1/30/2007		36.35	5.21
	5/18/2007		36.29	5.27
	9/27/2007		36.69	4.87
	12/17/2007		36.53	5.03
	3/12/2008		36.46	5.10
	6/6/2008		36.28	5.28
	9/9/2008		36.52	5.04
	12/20/2008		37.01	4.55
	4/27/2010		40.54	1.02
	10/27/2010		41.71	-0.15
	4/8/2011		40.33	1.23
	9/12/2011		37.95	3.61
	6/28/2012		41.06	0.50
	11/28/2012		43.58	-2.02
	5/9/2013		43.89	-2.33
	9/3/2013		44.88	-3.32
	12/2/2013		40.99	0.57
	2/21/2014		42.64	-1.08
	5/15/2014		44.28	-2.72
	8/19/2014		43.47	-1.91
	12/15/2014		41.35	0.21
	2/27/2015		44.16	-2.60
MW-9A	11/25/2008	41.07	36.82	4.25
	12/20/2008		36.95	4.12
	4/23/2010		38.08	2.99
	10/26/2010		39.31	1.76
	3/17/2011		38.17	2.90
	3/24/2011		38.95	2.12
	4/5/2011		39.39	1.68
	6/7/2011		39.42	1.65
	9/14/2011		38.95	2.12
	12/8/2011		38.88	2.19
	6/28/2012		40.60	0.47
	9/17/2012		41.03	0.04
	11/27/2013		42.91	-1.84
	3/4/2013		41.73	-0.66
	5/8/2013		42.04	-0.97
	8/30/2013		41.84	-0.77
	12/3/2013		42.44	-1.37
	2/19/2014		43.09	-2.02
	5/19/2014		43.81	-2.74
	8/21/2014		44.14	-3.07
	11/20/2014		43.21	-2.14
	2/25/2015		43.59	-2.52

Table 1
 Groundwater Elevation Data (1997 - 2015)
 Former ANCO Metal Improvement Company
 417 W. 164th Street, Gardena, CA 90248

Well	Date Measured	Top of Casing Elevation (feet MSL)	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)
MW-10A cont'd	5/10/2013		42.23	0.05
	8/29/2013		42.51	-0.23
	12/4/2013		42.64	-0.36
	2/20/2014		42.87	-0.59
	5/20/2014		43.07	-0.79
	8/26/2014		43.35	-1.07
	11/20/2014		43.31	-1.03
	2/27/2015		43.48	-1.20
MW-10B	11/25/2008	42.28	40.80	1.48
	12/20/2008		NM	NM
	4/23/2010		40.52	1.76
	10/27/2010		40.79	1.49
	3/29/2011		40.85	1.43
	6/13/2011		41.02	1.26
	9/14/2011		40.97	1.31
	12/9/2011		40.82	1.46
	6/29/2012		41.34	0.94
	9/13/2012		41.67	0.61
	11/29/2012		42.03	0.25
	3/1/2013		42.10	0.18
	5/10/2013		42.33	-0.05
	8/29/2013		42.58	-0.3
	12/4/2013		42.74	-0.46
	2/20/2014		42.96	-0.68
	5/20/2014		43.17	-0.89
	8/26/2014		43.45	-1.17
	11/20/2014		43.40	-1.12
	2/27/2015		43.57	-1.29
MW-10C	11/25/2008	42.25	46.50	-4.25
	12/20/2008		NM	NM
	4/23/2010		46.45	-4.20
	10/27/2010		45.63	-3.38
	3/29/2011		45.53	-3.28
	6/13/2011		45.56	-3.31
	9/14/2011		45.69	-3.44
	12/9/2011		45.93	-3.68
	6/29/2012		46.78	-4.53
	9/14/2012		46.90	-4.65
	11/29/2012		47.19	-4.94
	3/1/2013		47.00	-4.75
	5/10/2013		47.17	-4.92
	8/29/2013		47.24	-4.99
	12/4/2013		47.62	-5.37
	2/20/2014		47.78	-5.53
	5/20/2014		47.98	-5.73
	8/26/2014		48.25	-6.00
	11/20/2014		48.23	-5.98
	2/27/2015		47.87	-5.62
MW-11A Formerly 11S	4/26/2010	42.03	39.04	2.99
	10/26/2010		39.75	2.28
	3/17/2011		39.20	2.83
	3/24/2011		39.56	2.47
	4/5/2011		39.81	2.22
	6/7/2011		39.89	2.14
	9/13/2011		39.68	2.35
	12/8/2011		39.40	2.63
	6/28/2012		40.63	1.40
	9/14/2012		41.43	0.60
	11/27/2012		42.31	-0.28
	3/1/2013		41.48	0.55
	5/8/2013		42.17	-0.14
	8/30/2013		42.34	-0.31
	12/3/2013		42.43	-0.40
	2/19/2014		43.07	-1.04
	5/19/2014		43.57	-1.54
	8/21/2014		44.03	-2.00
	11/21/2014		43.21	-1.18
	2/25/2015		43.66	-1.63

Table 1
 Groundwater Elevation Data (1997 - 2015)
 Former ANCO Metal Improvement Company
 417 W. 164th Street, Gardena, CA 90248

Well	Date Measured	Top of Casing Elevation (feet MSL)	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)
MW-13A cont'd	8/30/2013		42.46	0.02
	12/4/2013		42.55	-0.07
	2/20/2014		43.05	-0.57
	5/19/2014		43.27	-0.79
	8/22/2014		43.82	-1.34
	11/21/2014		43.03	-0.55
	2/26/2015		43.60	-1.12
MW-13B	4/26/2010	42.57	39.41	3.16
Formerly 13D	10/26/2010		39.94	2.63
	3/17/2011		39.61	2.96
	3/24/2011		40.03	2.54
	4/5/2011		40.35	2.22
	6/7/2011		40.41	2.16
	9/13/2011		40.15	2.42
	12/8/2011		40.47	2.10
	6/28/2012		41.27	1.30
	9/14/2012		42.06	0.51
	11/28/2012		42.86	-0.29
	3/4/2013		42.11	0.46
	5/9/2013		42.57	0.00
	8/30/2013		42.83	-0.26
	12/4/2013		43.01	-0.44
	2/20/2014		43.38	-0.81
	5/19/2014		43.62	-1.05
	8/22/2014		44.17	-1.60
	11/21/2014		43.27	-0.70
	2/26/2015		43.98	-1.41
MW-14C	4/26/2010	42.40	45.25	-2.85
Formerly 14S	10/26/2010		45.61	-3.21
	3/17/2011		45.71	-3.31
	3/25/2011		45.94	-3.54
	4/5/2011		46.31	-3.91
	6/8/2011		46.35	-3.95
	9/13/2011		46.15	-3.75
	12/8/2011		47.08	-4.68
	6/28/2012		46.84	-4.44
	9/14/2012		46.89	-4.49
	11/28/2012		47.42	-5.02
	3/4/2013		47.25	-4.85
	5/9/2013		46.95	-4.55
	8/30/2013		47.36	-4.96
	12/4/2013		47.81	-5.41
	2/20/2014		48.00	-5.60
	5/19/2014		48.18	-5.78
	8/22/2014		48.49	-6.09
	11/21/2014		48.05	-5.65
	2/26/2015		48.02	-5.62
MW-14D	4/27/2010	42.13	54.56	-12.43
	10/26/2010		54.80	-12.67
	3/17/2011		54.06	-11.93
	3/25/2011		54.14	-12.01
	4/5/2011		54.38	-12.25
	6/8/2011		54.41	-12.28
	9/13/2011		55.08	-12.95
	12/8/2011		54.56	-12.43
	6/28/2012		55.25	-13.12
	9/14/2012		55.49	-13.36
	11/28/2012		55.13	-13.00
	3/4/2013		54.08	-11.95
	5/9/2013		54.99	-12.86
	8/30/2013		55.35	-13.22
	12/4/2013		55.23	-13.10
	2/20/2014		55.12	-12.99
	5/19/2014		55.30	-13.17
	8/22/2014		55.49	-13.36
	11/21/2014		55.36	-13.23
	2/25/2015		54.53	-12.40
MW-15	6/29/2012	44.07	42.56	1.51
	9/13/2012		43.02	1.05
	11/29/2012		43.45	0.62
	3/1/2013		43.27	0.80
	5/10/2013		43.63	0.44

Table 1
 Groundwater Elevation Data (1997 - 2015)
 Former ANCO Metal Improvement Company
 417 W. 164th Street, Gardena, CA 90248

Well	Date Measured	Top of Casing Elevation (feet MSL)	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)
OW-4B cont'd	3/1/2013		41.28	-0.44
	5/10/2013		41.72	-0.88
	8/29/2013		41.42	-0.58
	12/2/2013		41.87	-1.03
	2/20/2014		42.54	-1.70
	5/16/2014		42.31	-1.47
	8/19/2014		42.70	-1.86
	11/19/2014		42.81	-1.97
	2/26/2015		43.09	-2.25
OW-4C	12/20/2008	40.64	47.57	-6.93
	4/23/2010		47.95	-7.31
	10/26/2010		48.09	-7.45
	3/17/2011		47.63	-6.99
	3/25/2011		47.65	-7.01
	4/5/2011		47.75	-7.11
	6/8/2011		47.81	-7.17
	9/14/2011		48.10	-7.46
	12/8/2011		50.41	-9.77
	6/28/2012		50.46	-9.82
	9/13/2012		50.57	-9.93
	11/27/2012		50.76	-10.12
	3/1/2013		50.24	-9.60
	5/10/2013		49.95	-9.31
	8/29/2013		48.61	-7.97
	12/2/2013		49.99	-9.35
	2/20/2014		50.39	-9.75
	5/16/2014		48.76	-8.12
	8/19/2014		48.94	-8.30
	11/19/2014		50.33	-9.69
2/26/2015		49.70	-9.06	
OW-4D	9/14/2011	42.20	53.55	-11.35
	12/8/2011		54.03	-11.83
	6/28/2012		54.65	-12.45
	9/13/2012		54.93	-12.73
	11/27/2012		54.75	-12.55
	3/1/2013		54.40	-12.20
	5/9/2013		54.31	-12.11
	8/29/2013		54.79	-12.59
	12/2/2013		54.90	-12.70
	2/20/2014		54.71	-12.51
	5/16/145		54.85	-12.65
	8/19/2014		54.87	-12.67
	11/19/2014		55.00	-12.80
	2/27/2015		54.07	-11.87

TOC: Top of Casing
 MSL: Mean Sea Level
 NM: Not Measured

Table 2
Groundwater Analytical Data (VOCs)
Former ANCO Metal Improvement Company
417 West 164th Street, Carson, CA 90248

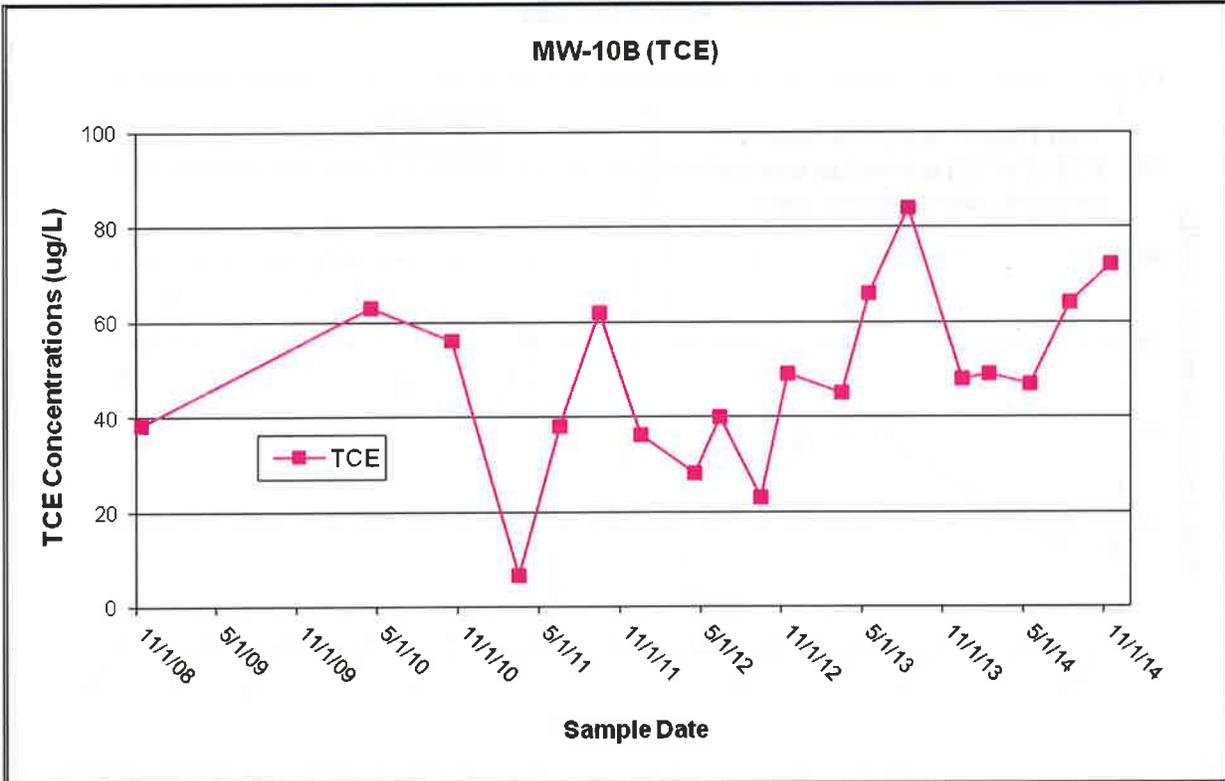
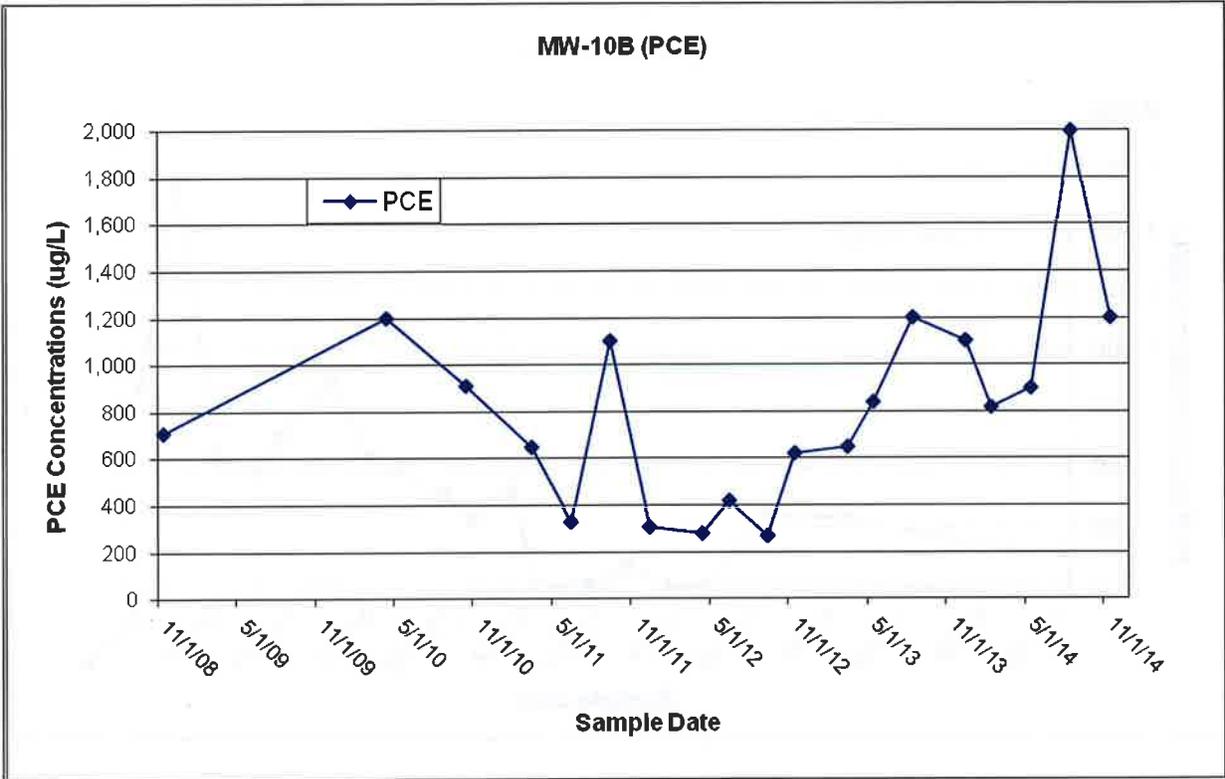
Well ID	Sample Date	PCE (µg/L)	TCE (µg/L)	DCE (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	Freon 11 (µg/L)
MW-10A	11/25/08	167	21.8	5.06	<1	<1	<1	<1
	12/3/09	A/B-Zone Groundwater Extraction System Put into Operation						
	4/23/10	280	27	12	<1	<1	<0.5	<1
	10/27/10	170	15	9.5	<1	<1	<0.5	<1
	3/29/11	99	8.5	6	<1	<1	<0.5	<1
	6/13/11	120	12	7.2	<1	<1	<0.5	<1
	9/14/11	310	19	7.4	<1	<1	<0.5	<1
	12/9/11	160	14	11	<1	<1	<0.5	<1
	4/9/12	99	11	8.8	<1	<1	<0.5	<1
	6/19/12	280	21	18	1.4	<1	<0.5	<1
	9/13/12	290	21	17	1.5	<1	3.5	<1
	11/29/12	380	23	15	<1	<1	<0.5	<1
	3/1/13	340	19	5.5	<1	<1	<0.5	<1
	5/10/13	260	20	8.6	<1	<1	<0.5	<1
	8/29/13	580	38	7.3	<1	<1	<0.5	<1
	12/4/13	230	19	11	1.1	<1	<0.5	<1
	2/26/14	270	24	10	<1	<1	<0.5	<1
	5/20/14	260	23	9.6	<1	<1	<0.5	<1
	8/26/14	580	31	<1	<1	<1	<0.5	<1
	2/27/15	130	12	8.9	<1	<1	<0.5	<1
MW-10B	11/25/08	707	36.4	<20	<20	<20	<20	<20
	12/3/09	A/B-Zone Groundwater Extraction System Put into Operation						
	4/23/10	1,200	63	8.2	15	<1	<0.5	<1
	10/27/10	910	56	11	34	<1	<0.5	<1
	3/29/11	650	6.5	14	<1	<1	<0.5	<1
	6/13/11	330	38	13	<1	<1	<0.5	<1
	9/14/11	1,100	62	14	3.5	<1	<0.5	<1
	12/9/11	310	36	14	<1	<1	<0.5	<1
	4/9/12	280	28	12	2.6	<1	<0.5	<1
	6/19/12	420	40	12	4.1	<1	<0.5	<1
	9/13/12	270	23	6.4	2.2	<1	3.4	<1
	11/29/12	620	49	16	<1	<1	12	<1
	3/1/13	650	45	6.9	<1	<1	<0.5	<1
	5/10/13	840	66	13	<1	6.4	<0.5	<1
	8/29/13	1,200	64	8.6	4.2	<1	<0.5	<1
	12/4/13	1,100	48	14	9.1	<1	<0.5	<1
	2/26/14	820	49	17	6.5	<1	<0.5	<1
	5/20/14	900	47	26	16	<1	<0.5	<1
	8/26/14	2,000	64	<1	<1	<1	<0.5	<1
	11/20/14	1,200	72	84	23	<1	<0.5	<1
2/27/15	530	30	22	8.5	<1	<0.5	<1	
MW-10C	11/25/08	147	7.47	<1	<1	<1	<1	<1
	3/5/09	150	7.4	<1	<1	<1	<0.5	<1
	12/3/09	A/B-Zone Groundwater Extraction System Put into Operation						
	4/23/10	290	20	<1	<1	<1	<0.5	<1
	10/27/10	300	19	<1	<1	<1	<0.5	<1
	3/29/11	12	<0.5	<1	<1	<1	<0.5	<1
	6/13/11	7.3	2	<1	<1	<1	<0.5	<1
	9/14/11	C-Zone Groundwater Extraction Wells Put into Operation						
	12/9/11	95	58	16	12	<1	<0.5	<1
	4/9/12	11	<1	<1	<1	<1	<0.5	<1
	6/19/12	12	2.3	<1	<1	<1	<0.5	<1
	9/14/12	410	31	4.5	4.7	<1	<0.5	<1
	11/29/12	280	19	3.5	2.5	<1	<0.5	<1
	3/1/13	390	23	<1	<1	<1	<0.5	<1
	5/10/13	490	25	1.7	<1	<1	<0.5	<1
	8/29/13	540	33	3.5	3	<1	<0.5	<1
	12/4/13	550	33	3.5	3	<1	<0.5	<1
	2/26/14	860	43	<1	<1	<1	<0.5	<1
	5/20/14	640	28	5.6	6	<1	<0.5	<1
	8/26/14	630	30	5.6	6	<1	<0.5	<1
11/20/14	480	29	4.7	3.6	<1	<0.5	<1	
2/27/15	560	26	7.7	10	<1	<0.5	<1	
MW-11A	4/26/10	23	14	<1	<1	<1	<0.5	<1
	10/26/10	27	14	<1	<1	<1	<0.5	<1
	3/24/11	25	36	<1	<1	<1	<0.5	<1
	6/7/11	17	50	<1	<1	<1	<0.5	<1
	9/13/11	32	52	<1	<1	<1	<0.5	<1
	12/8/11	9.2	31	<1	<1	<1	<0.5	<1
	4/12/12	10	17	<1	<1	<1	<0.5	<1
	6/22/12	10	26	<1	<1	<1	<0.5	<1
	9/14/12	8.5	15	<1	<1	<1	<0.5	<1
	11/27/12	9.2	8	<1	<1	<1	<0.5	<1
	3/1/13	17	6.5	<1	<1	<1	<0.5	<1
	5/8/13	11	9.2	<1	<1	<1	<0.5	<1
	8/30/13	6	4.7	<1	<1	<1	<0.5	<1
	12/3/13	15	7.9	<1	<1	<1	<0.5	<1
	2/19/14	15	6.9	<1	<1	<1	<0.5	<1
	5/19/14	28	7.2	<1	<1	<1	<0.5	<1
	8/21/14	Insufficient groundwater for sample collection						
	11/21/14	39	12	<1	<1	<1	<0.5	<1
	2/25/15	22	5.1	<1	<1	<1	<0.5	<1
	MW-11B	4/26/10	9.5	23	<1	<1	<1	<0.5
10/26/10		7.1	29	<1	<1	<1	<0.5	<1
3/24/11		10	31	<1	<1	<1	<0.5	<1
6/7/11		15	43	<1	<1	<1	<0.5	<1
9/13/11		17	33	<1	<1	<1	<0.5	<1
12/8/11		5.1	26	<1	<1	<1	<0.5	<1
4/12/12		8.8	25	<1	<1	<1	<0.5	<1
6/22/12		12	40	<1	<1	<1	<0.5	<1
9/14/12		6.2	28	<1	<1	<1	4.3	<1
11/27/12		6	25	<1	<1	<1	4.3	<1
3/1/13		<1	28	<1	<1	<1	<0.5	<1
5/8/13		8.4	30	<1	<1	<1	<0.5	<1
8/30/13		8.3	50	<1	<1	<1	<0.5	<1
12/3/13		2.7	34	6.2	<1	<1	<0.5	<1
2/19/14		8.4	62	3.4	<1	<1	<0.5	<1
5/19/14		8.3	69	3.7	<1	<1	<0.5	<1
8/21/14		9.6	51	<1	<1	<1	<0.5	<1
11/21/14		15	86	1.6	<1	<1	<0.5	<1
2/25/15		10	37	<1	<1	<1	<0.5	<1
		6.8	54	3.3	<1	<1	<0.5	<1

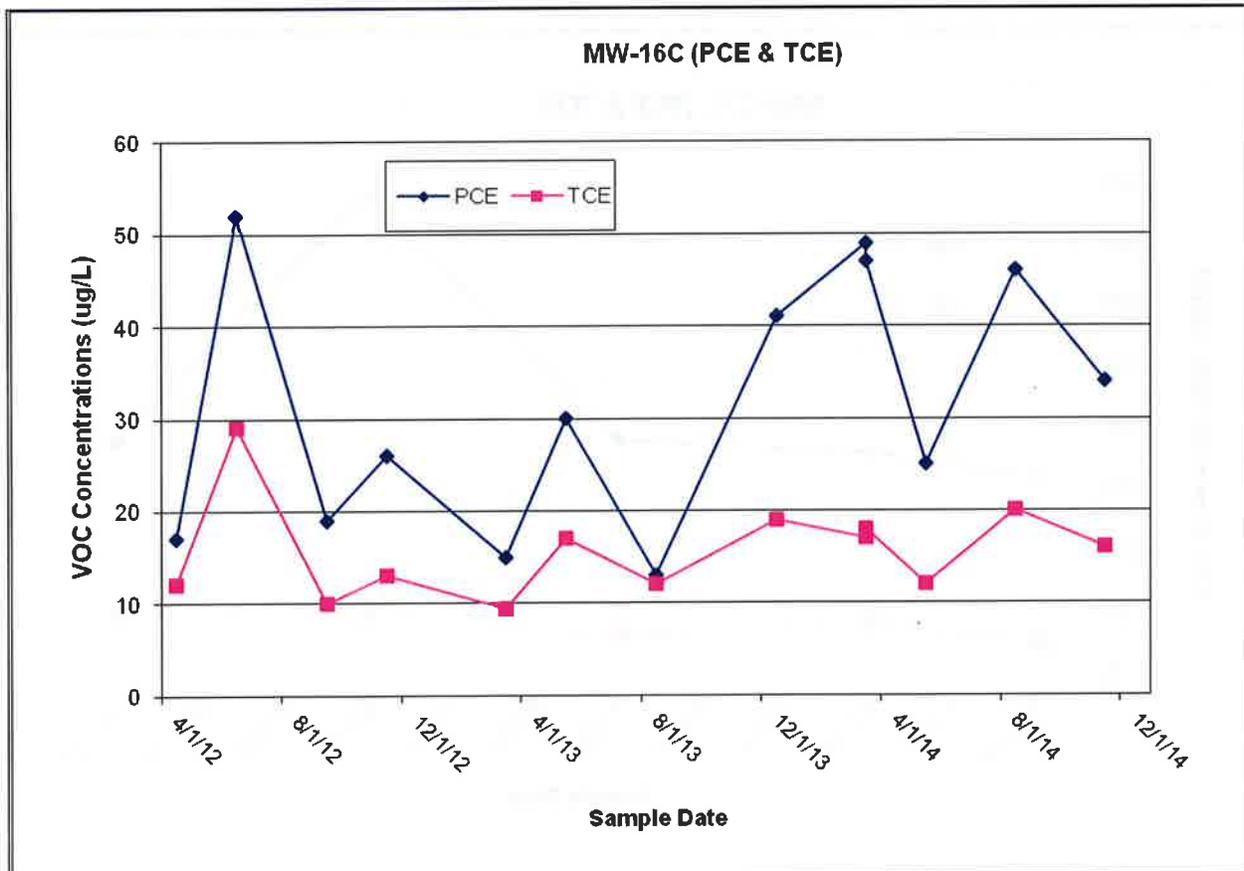
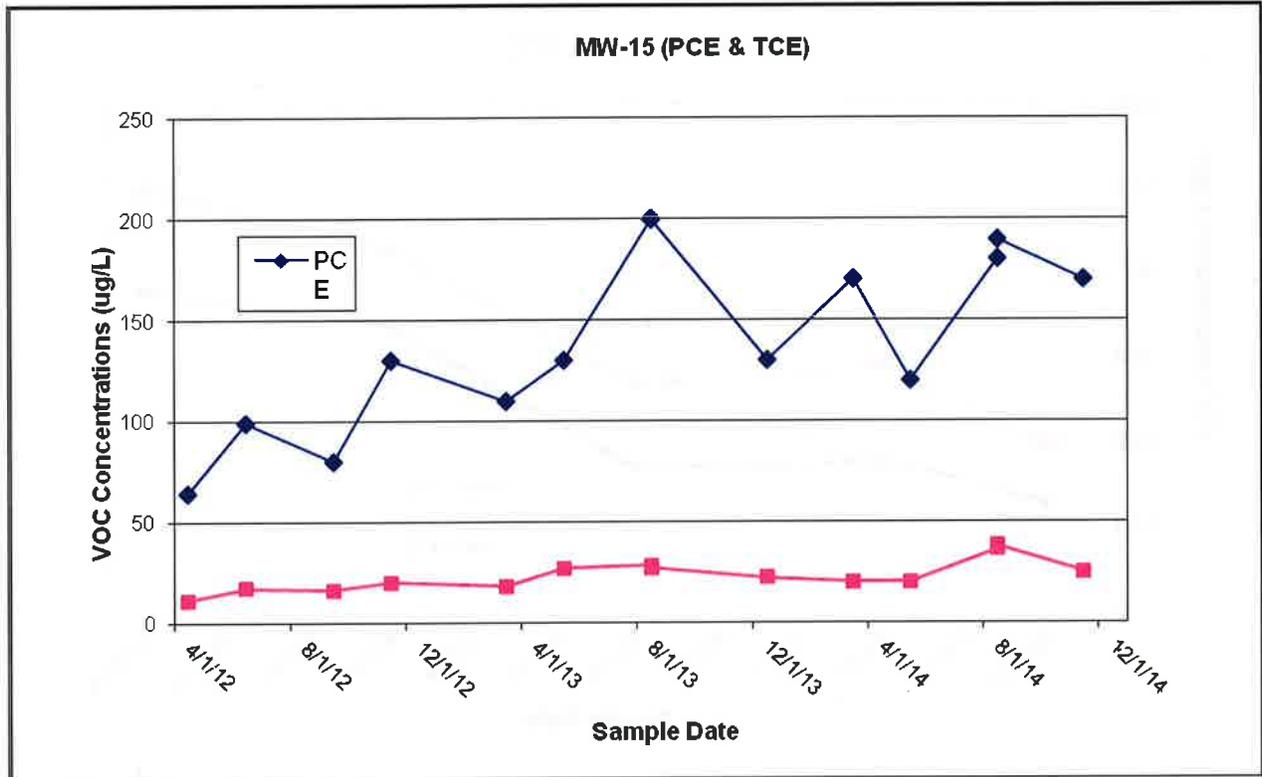
Table 2
Groundwater Analytical Data (VOCs)
Former ANCO Metal Improvement Company
417 West 164th Street, Carson, CA 90248

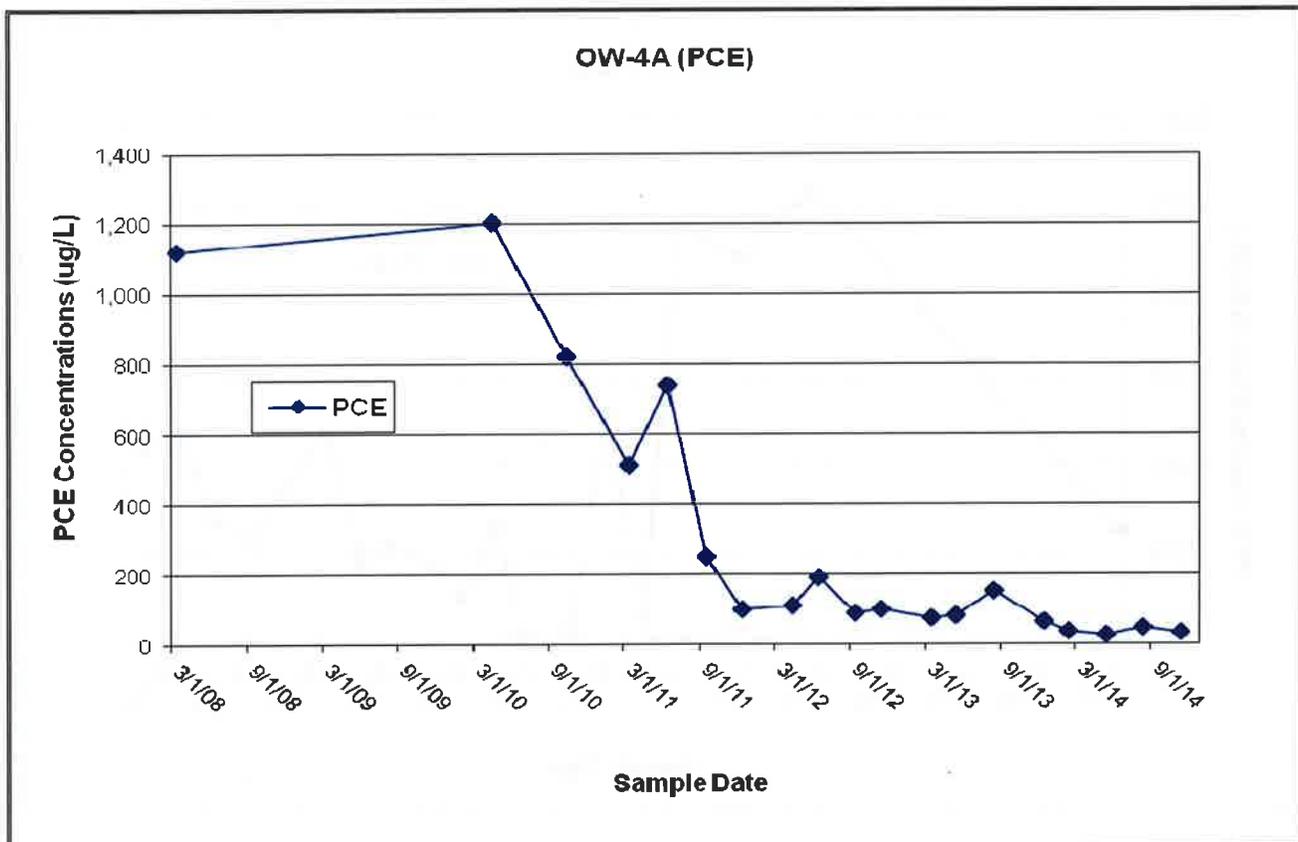
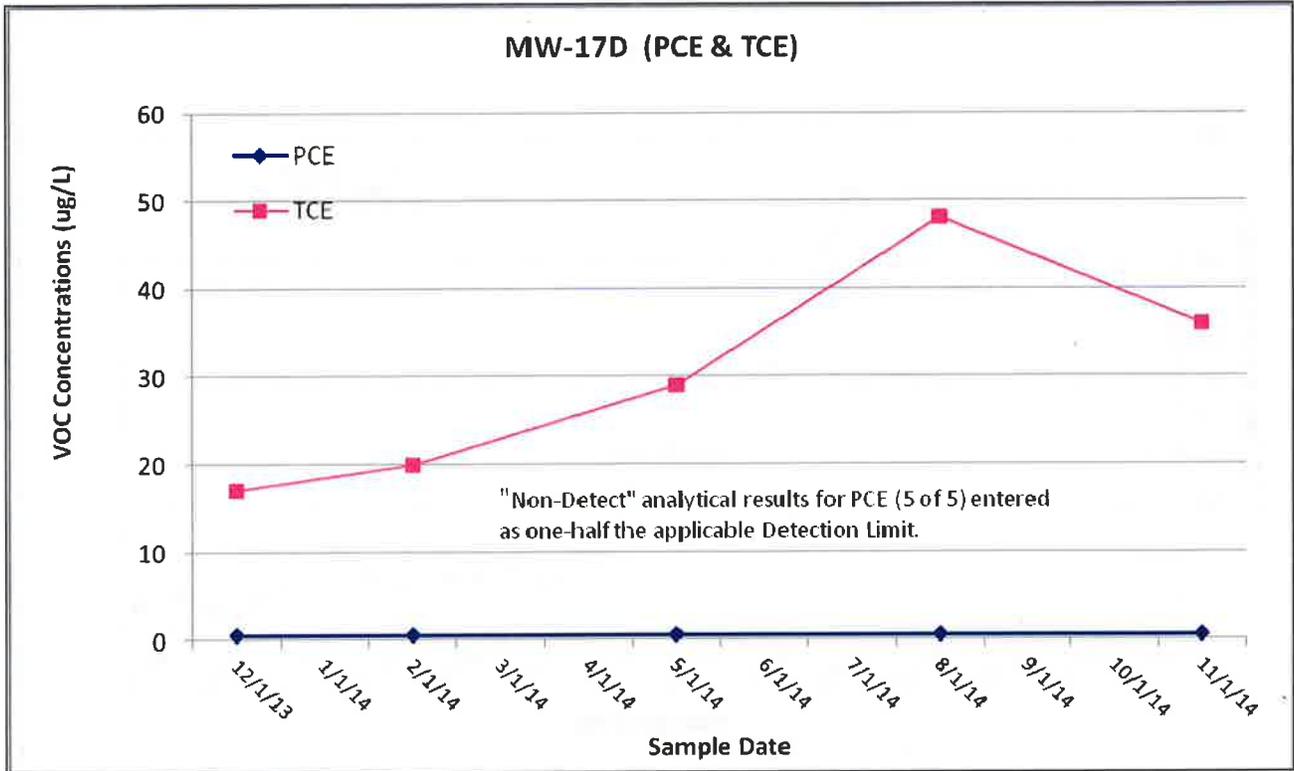
Well ID	Sample Date	PCE (µg/L)	TCE (µg/L)	DCE (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	Freon 11 (µg/L)	
MW-14D	4/27/10	<1	21	<1	<1	<1	<0.5	<1	
	10/26/10	<1	9.1	3.8	3.7	<1	<0.5	<1	
	3/25/11	<1	4.8	1.6	20	<1	<0.5	<1	
	6/8/11	<1	4.7	<1	29	<1	<0.5	<1	
	9/13/11	3.4	4.1	<1	12	<1	<0.5	<1	
	12/9/11	<1	9	<1	33	<1	<0.5	<1	
	4/12/12	3.3	10	3.4	28	<1	<0.5	<1	
	6/2/12	2.2	64	13	23	<1	2.8	<1	
	9/14/12	<1	17	5.3	7.2	<1	<0.5	<1	
	11/28/12	<1	24	3.8	4.9	<1	<0.5	<1	
	3/4/13	<1	28	4.4	6.7	<1	<0.5	<1	
	5/9/13	<1	28	8.2	15	<1	<0.5	<1	
	8/30/13	<1	21	20	50	<1	<0.5	<1	
	12/4/13	<1	35	7.4	7.7	<1	<0.5	<1	
	2/20/14	<1	34	7.0	5.4	<1	<0.5	<1	
	5/19/14	<1	30	4.7	18	<1	<0.5	<1	
	8/22/14	<1	46	8.3	9.4	<1	<0.5	<1	
	11/21/14	3.4	56	6.3	17	5.5	<0.5	<1	
	2/26/15	<1	24	6.5	4	<1	<0.5	<1	
	MW-15	Monitoring Well MW-15 installed March 2012							
4/9/12		84	11	12	7.6	4.8	<0.5	<1	
6/19/12		99	17	19	11	8.8	<0.5	<1	
9/13/12		80	16	15	9.7	5.1	2.2	<1	
11/29/12		130	20	14	12	<1	<0.5	<1	
3/1/13		110	18	6	<1	<1	<0.5	<1	
5/10/13		130	27	12	8.5	3.8	<0.5	<1	
8/29/13		200	28	5.9	3.6	<1	<0.5	<1	
8/29/13		200	27	6.2	4	<1	<0.5	<1	
12/5/13		130	22	11	10	3.7	<0.5	<1	
3/5/14		170	20	3.5	18	<1	<0.5	<1	
5/20/14		120	20	6.6	8.8	<1	<0.5	<1	
8/26/14		180	36	<1	<1	<1	<0.5	<1	
8/26/14		190	38	<1	<1	<1	<0.5	<1	
11/20/14		170	25	<1	16	<1	<0.5	<1	
2/27/15		150	13	5.2	4.2	1.4	<0.5	<1	
MW-16C		Monitoring Well MW-16C installed March 2012							
		4/9/12	17	12	<1	6.7	<1	<0.5	<1
		6/19/12	52	29	1.8	28	<1	<0.5	<1
		9/13/12	19	10	<1	7.8	<1	1.5	<1
	11/29/12	26	13	<1	10	<1	<0.5	<1	
	3/1/13	15	9.4	<1	<1	<1	<0.5	<1	
	5/10/13	30	17	<1	6.9	<1	<0.5	<1	
	8/29/13	13	12	<1	2.5	<1	<0.5	<1	
	12/9/13	41	19	1.3	18	<1	<0.5	<1	
	3/5/14	49	17	<1	22	<1	<0.5	<1	
	3/5/14	47	18	<1	22	<1	<0.5	<1	
	5/20/14	25	12	9.7	16	<1	<0.5	<1	
	8/26/14	46	20	<1	22	<1	<0.5	<1	
	11/20/14	34	16	<1	20	<1	<0.5	<1	
	2/27/15	30	9.2	<1	7.8	<1	<0.5	<1	
	MW-17A	Monitoring Well MW-17A installed November 2013							
		12/3/13	130	200	9.2	1.2	<1	<0.5	<1
		2/19/14	160	290	9.9	<1	<1	<0.5	<1
		5/16/14	170	270	11	1.3	<1	<0.5	<1
		8/22/14	340	430	16	<1	<1	<0.5	<1
11/19/14		380	500	24	<1	<1	<0.5	<1	
2/25/15	250	240	9.6	1.4	<1	<0.5	<1		
MW-17C	Monitoring Well MW-17C installed November 2013								
	12/3/13	160	28	16	3	<1	<0.5	<1	
	2/19/14	180	43	20	2.6	<1	<0.5	<1	
	5/16/14	160	33	19	4.1	<1	<0.5	<1	
	8/22/14	380	51	16	<1	<1	<0.5	<1	
	11/19/14	190	51	39	<1	<1	<0.5	<1	
2/25/15	240	49	22	2.9	<1	<0.5	<1		
MW-17D	Monitoring Well MW-17D installed November 2013								
	12/3/13	<1	17	3.2	<1	<1	<0.5	<1	
	2/19/14	<1	20	3.1	<1	<1	<0.5	<1	
	5/16/14	<1	29	5.5	<1	<1	<0.5	<1	
	5/16/14	<1	28	5.5	<1	<1	<0.5	<1	
	8/22/14	<1	46	<1	<1	<1	<0.5	<1	
	11/19/14	<1	36	8	<1	<1	<0.5	<1	
	2/25/15	2.2	23	5	<1	<1	<0.5	<1	

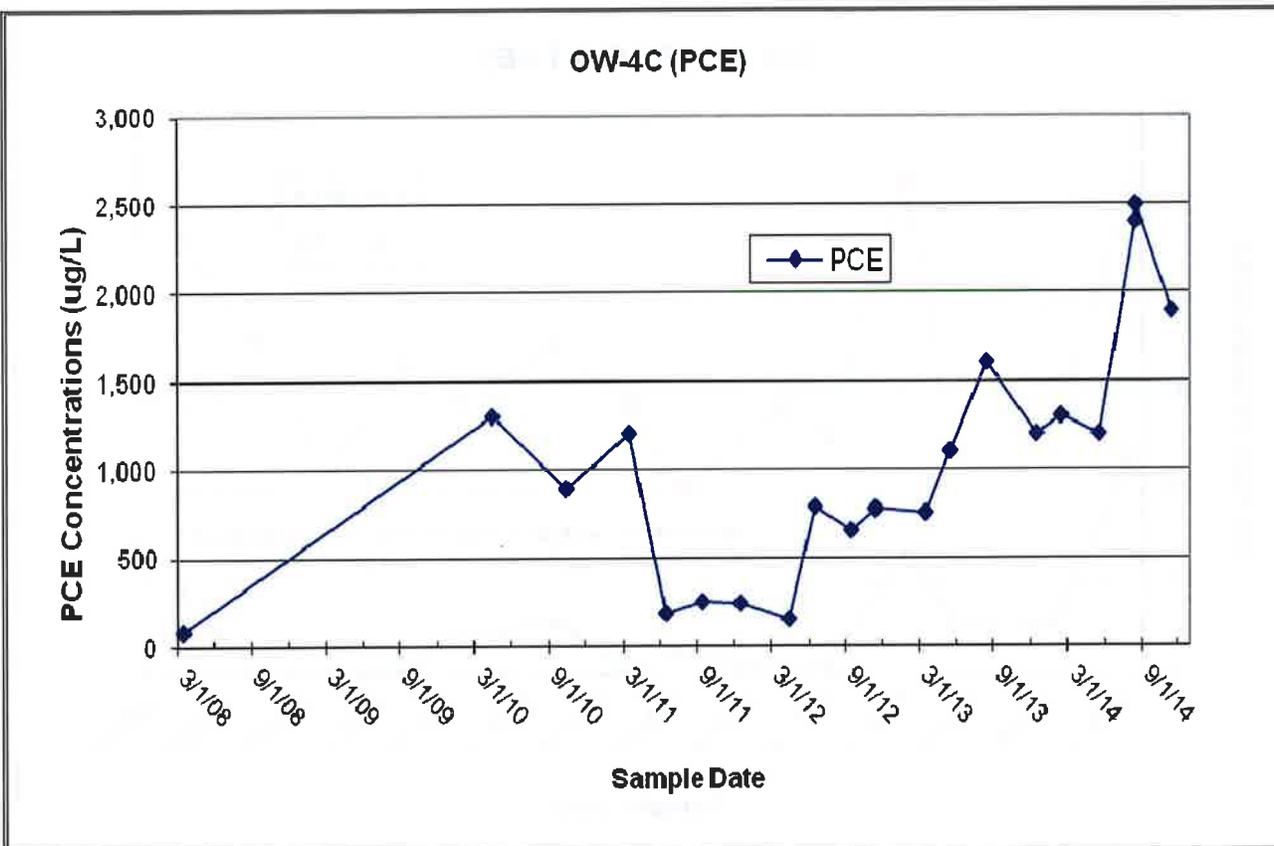
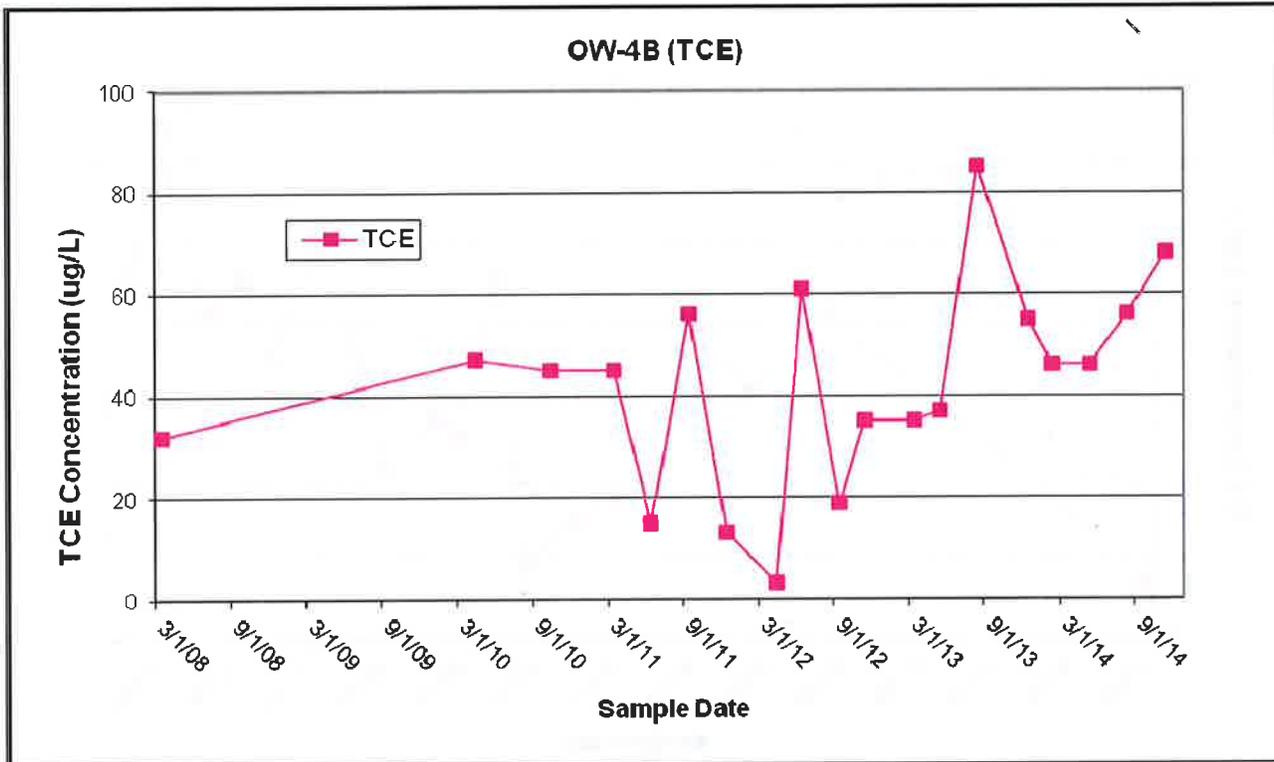
ATTACHMENT I

**CONTAMINANT CONCENTRATION GRAPHS
FOR SELECTED MONITORING WELLS**









ATTACHMENT II
FIRST QUARTER 2014
GROUNDWATER PARAMETERS

CTEL Project No: CT217-1402089
 Client Name: Leymaster Environmental
 5500 E. Atherton Street, Suite 210
 Long Beach, CA 90815
 Attention: Mr. Charles Lindeman

Phone: (562) 799-9866
 Fax: (562) 799-1963

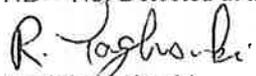
Project ID: ANCO
 Project Name: 417 W. 164th Street

Date Sampled: 02/19/14 @ 10:54 am
 Date Received: 02/19/14 @ 16:50 p.m.
 Date Analyzed: 02/20/14 – 02/24/14
 Date Reported: 02/26/14

Matrix: Water

Laboratory ID:	1402-089-4	1402-089-5	1402-089-6	Method	Units	Detection Limit
Client Sample ID:	MW17A	MW17C	MW17D			
Ferrous Iron	ND	ND	ND	SW846 6010B	mg/L	0.01
Manganese	ND	0.33	0.044	SW846 6010B	mg/L	0.01
Acid, Extraction	02/20/14	02/20/14	02/20/14	SW846 3010	Date	
Sulfate	660	700	290	EPA 300.0	mg/L	1
Nitrate	0.94	0.93	0.51	EPA 300.0	mg/L	0.5
Hydrogen Sulfide	<0.1	<0.1	<0.1	SCAQMD 307-91	ug/L	0.1
Methane	ND<1	ND<1	ND<1	GC-FID	mg/L	1
Hydrogen	ND	ND	ND	EPA 3C	ug/L	0.1
TOC	9.6	7.7	4.3	EPA 415.1	mg/L	0.1

ND = Not Detected at the indicated Detection Limit


 Roobik Yaghoubi
 Acting Laboratory Director

*The results are base upon the sample received.

Cal Tech Environmental Laboratories, Inc. ELAP ID #: 2424

CAL TECH Environmental Laboratories



6814 Rosecrans Avenue, Paramount, CA 90723-3146
 Telephone: (562) 272-2700 Fax: (562) 272-2780

ANALYTICAL RESULTS*

CTEL Project No: CT217-1402102
Client Name: Leymaster Environmental
 5500 E. Atherton Street, Suite 210
 Long Beach, CA 90815
Attention: Mr. Charles Lindeman

Phone: (562) 799-9866
Fax: (562) 799-1963

Project ID: ANCO
Project Name: 417 W. 164th Street

Date Sampled: 02/20/14 @ 13:46 p.m.
Date Received: 02/20/14 @ 15:40 p.m.
Date Analyzed: 02/21/14 - 02/24/14
Date Reported: 02/27/14

Matrix: Water

Laboratory ID:	1402-102-1	1402-102-2	1402-102-3	Method	Units	Detection Limit
Client Sample ID:	MW9C	OW4A	OW4B			
Ferrous Iron	ND	ND	ND	SW846 6010B	mg/L	0.01
Manganese	ND	ND	ND	SW846 6010B	mg/L	0.01
Acid, Extraction	02/21/14	02/21/14	02/21/14	SW846 3010	Date	
Sulfate	170	240	190	EPA 300.0	mg/L	1
Nitrate	0.84	0.80	0.71	EPA 300.0	mg/L	0.5
Hydrogen Sulfide	<0.1	<0.1	<0.1	SCAQMD 307-91	ug/L	0.1
Methane	ND<1	ND<1	ND<1	GC-FID	mg/L	1
Hydrogen	ND	ND	ND	EPA 3C	ug/L	0.1
TOC	5.5	7.2	4.6	EPA 415.1	mg/L	0.1

ND = Not Detected at the indicated Detection Limit

Chain of Custody Record

Client: LEXMASTER ENV CON (LEC)
 Contact: Charles Lindeman
 Address: 5500 E. Atherton St #210
Long Beach, CA 90815
 Project: ANCO
 Sampled By: C. Lindeman / [Signature]
 Name/Signature

Phone: 562-249-9866
 Fax: _____

Turn Around Time
 Rush _____
 Normal X

Analyses Requested
Various other
Sulfate
Manganese
H₂S
Methane
Nitrate
Hydrogen
Total Organic Carbon

Lab ID Number	Field ID	Date/Time Sampled	Bottle Type	No.	Preserv.	Matrix	<u>Various other</u>	<u>Sulfate</u>	<u>Manganese</u>	<u>H₂S</u>	<u>Methane</u>	<u>Nitrate</u>	<u>Hydrogen</u>	<u>Total Organic Carbon</u>	Comments
	UW9C	2/20/14 1346	40 mL VOA 1 L Poly	2	Ice	H ₂ O	✓	✓	✓	✓	✓	✓	✓	✓	
	OW4A	↓ 754	↓	2	↓	↓	✓	✓	✓	✓	✓	✓	✓	✓	
	OW4B	↓ 818	↓	2	↓	↓	✓	✓	✓	✓	✓	✓	✓	✓	
	OW4C	↓ 844	↓	2	↓	↓	✓	✓	✓	✓	✓	✓	✓	✓	
	OW4D	2/20/14 950	40 mL VOA 1 L Poly	2	Ice	H ₂ O	✓	✓	✓	✓	✓	✓	✓	✓	

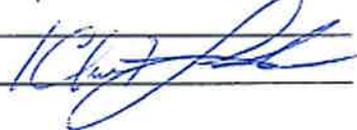
Relinquished: [Signature]
 Dispatched: _____

Date / Time: 2/20/14 Received: _____
 Date / Time: _____ Carrier: _____

I hereby authorize the performance of the above indicated tests.
[Signature]

Date / Time: 2/20/14 3:40pm Received by lab: [Signature]

Chain of Custody Record

Client: WILMINGTON FWD CON (LEC)
 Contact: C. Lindeman
 Address: 5500 E. Atherton St #210
Long Beach, CA 90815
 Project: INCO
 Sampled By: C. Lindeman 
 Name/Signature

Phone: 562-799-9866
 Fax: _____

Turn Around Time
 Rush _____
 Normal X

Analyses Requested

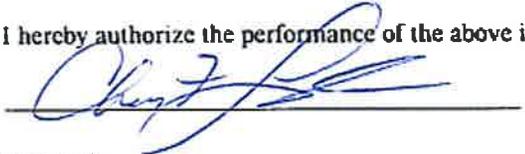
Permeation
Sulfate
Manganese
H₂Sulfide
Methane
Nitrate
Hydrogen H₂
Total Organic Carbon

Lab ID Number	Field ID	Date/Time Sampled	Bottle Type	No.	Preserv.	Matrix	Permeation	Sulfate	Manganese	H ₂ Sulfide	Methane	Nitrate	Hydrogen H ₂	Total Organic Carbon	Comments
	MW10A	2/26/14 1110	Foral VOA 16 Polym	2	Ju	H ₂ O	✓	✓	✓	✓	✓	✓	✓	✓	
	MW10B	" 1130	"	2	"	"	✓	✓	✓	✓	✓	✓	✓	✓	
	MW10C	2/26/14 1152	Foral VOA 16 Polym	2	Ju	H ₂ O	✓	✓	✓	✓	✓	✓	✓	✓	

Relinquished: 
 Dispatched: _____

Date / Time: 2/26/14
 Date / Time: _____

Received: _____
 Carrier: _____

I hereby authorize the performance of the above indicated tests.


Date / Time: 2/26/14 3:30pm

Received by lab: Sam Hoi

ATTACHMENT 3 - PCE MASS CALCULATION (WATER)

Anco C zone-PCE 100 contour

Assumed Volume Parameters

800 ft Length

200 ft Width

5 ft Depth

800000 ft³ Volume Impacted Saturated Soil

Water Volume (ft³) = Saturated Soil Volume x Porosity

0.3 ϕ = porosity

240000 ft³

Water Mass (lbs) = Water Volume (ft³) x 62.43 lb/ft³ of water

14,983,200 lbs

Contaminant Mass = Water Mass (lbs) x Contaminant Conc (ppb) x 10⁻⁹

100 ppb

1.5 lbs

Anco C zone-PCE 500 contour

Assumed Volume Parameters

500 ft Length

80 ft Width

5 ft Depth

200000 ft³ Volume Impacted Saturated Soil

Water Volume (ft³) = Saturated Soil Volume x Porosity

0.3 ϕ = porosity

60000 ft³

Water Mass (lbs) = Water Volume (ft³) x 62.43 lb/ft³ of water

3,745,800 lbs

Contaminant Mass = Water Mass (lbs) x Contaminant Conc (ppb) x 10⁻⁹

900 ppb

3.4 lbs

Anco C zone-PCE 1,000 contour

Assumed Volume Parameters

100 ft Length

50 ft Width

5 ft Depth

25000 ft³ Volume Impacted Saturated Soil

Water Volume (ft³) = Saturated Soil Volume x Porosity

0.3 ϕ = porosity

7500 ft³

Water Mass (lbs) = Water Volume (ft³) x 62.43 lb/ft³ of water

468,225 lbs

Contaminant Mass = Water Mass (lbs) x Contaminant Conc (ppb) x 10⁻⁹

4000 ppb

1.9 lbs

Total PCE=	7	Pounds
------------	---	--------

Plume estimates are from 2Q2014 Report

ATTACHMENT IV

MNA CALCULATIONS

Koc [L/kg]	126	364	126	65	57					
Retardation Factor [-]										
Maximum	1.0	1.0	1.0	1.0	1.0	1.0				
Average	1.0	1.0	1.0	1.0	1.0	1.0				
Minimum	1.0	1.0	1.0	1.0	1.0	1.0				
Contaminant Concentration Profiles (11/11/2013)										
	Distance	Total Chl. Eth.	PCE	TCE	cis-DCE	Vinyl Chl.				
Well Name	[ft]	[µg/L]	[µg/L]	[µg/L]	[µg/L]	[µg/L]				
OW4B	0	2658.	2600.	47.	11.	BD				
MW-10B	350	886.	820.	49.	17.	BD				
MW-17A	780	479.9	180.	290.	9.9	BD				
Redox Indicator Concentration Profiles (11/11/2013)										
	Distance	Oxygen	Nitrate	Mn(II)	Iron(II)	Sulfate	Sulfide	Methane	Hydrogen	Redox
Well Name	[ft]	[mg/L]	[mg/L]	[mg/L]	[mg/L]	[mg/L]	[mg/L]	[mg/L]	[nM]	Condition
OW4B	0	1.94	0.71	BD	BD	190.	BD	BD	BD	Oxic
MW-10B	350	3.64	0.75	BD	BD	220.	BD	BD	BD	Oxic
MW-17A	780	0.05	0.94	BD	BD	660.	BD	BD	BD	Oxic
Attenuation Rates										
	Total Chl. Eth.	PCE	TCE	cis-DCE	Vinyl Chl.					
NAC (Single Zone) [1/ft]	0.0021	0.0034	N/A	0.0012	N/A					
Decay Rate [1/yr]										
Maximum	5.0636	8.4708	N/A	2.6903	N/A					
Average	0.3713	0.6211	N/A	0.1973	N/A					
Minimum	0.0979	0.1637	N/A	0.052	N/A					
Time of Stabilization(TOS) and Max Source Conc. Calculations										
Distance to POC [ft]	350.0									
			Source Reduction		Time of Stabilization [years]			Time to Equilibrium		
	RCC		Conc [µg/L]		Breakthrough Time			Time to Equilibrium		
Contaminant	[µg/L]	Well	Current	Target	Maximum	Average	Minimum	Maximum	Average	Minimum
Total Chl. Eth.		1	2658							
PCE	5.0	1	2600	16	6.4	1.7	0.1	18.1	4.8	0.3
TCE	5.0	3	290	POC is closer than Source Well						
cis-DCE	6.0	2	17	POC is closer than Source Well						

Facility Name: 417 164th Street, Gardena
 Site Name: Former Anco Metal Facility
 Additional Description: A/B-Zone Reduction to MW-17

Length: feet
 Time: years
 Mass: pounds

Hydrogeologic Data and Contaminant Transport Calculations

	Maximum	Average	Minimum		NAPL Source
Hydr. Conductivity [ft/yr]	31039.0	2276.0	600.0	NAPL Source Length [ft]	825.0
Hydraulic Gradient [ft/ft]	0.005	0.005	0.005	NAPL Source Width [ft]	225.0
Total Porosity [-]		0.2		Contaminated Aquifer Thickness [ft]	25.0
Effective Porosity [-]		0.07			
Groundwater Vel. [ft/yr]	2217.071	162.571	42.857		

Contaminant Source Specifications

Source Component	Conc Profile	NAPL Constituent
Total Chl. Eth.	True	True
PCE	True	True
TCE	True	True
cis-DCE	True	True
Vinyl Chl.	True	False
Ethene	False	False
Chloride	False	False

Dispersion Parameters

Estimated Plume Length [ft]	3585.1
Longitudinal Dispersivity [ft]	39.83
Dispersivity Ratio [-]	20.0
Transverse Dispersivity [ft]	1.99

Sorption Parameters

Fraction Org. Carbon [-]	
Maximum	0.00
Average	0.00
Minimum	0.00

Total Chl. Eth. PCE TCE cis-DCE Vinyl Chl.

Vinyl Chl. 0.5 Insufficient Data

Time of Remediation(TOR) Calculations

NAPL Component	Mass Fraction[-]	Solubility [mg/L]	Molecular Wght[g/mole]
Total Chl. Eth.	0.00	0.0	0.0
PCE	0.00	150.0	165.8
TCE	0.00	1100.0	131.5
cis-DCE	0.00	800.0	97.0
Vinyl Chl.	0.00	2670.0	62.5

Max Time of Analysis [yr] 100

	SCC [µg/L]	Mass [lb]	Removal Plan No Removal MNA
Total Chl. Eth.		46	
PCE	5.0	46	10.0
TCE	5.0	46	15.0
cis-DCE	6.0	46	10.0
Vinyl Chl.	0.5	46	10.0

Koc [L/kg]	126	364	126	65	57					
Retardation Factor [-]										
Maximum	1.0	1.0	1.0	1.0	1.0					
Average	1.0	1.0	1.0	1.0	1.0					
Minimum	1.0	1.0	1.0	1.0	1.0					
Contaminant Concentration Profiles (11/11/2013)										
	Distance	Total Chl. Eth.	PCE	TCE	cis-DCE	Vinyl Chl.				
Well Name	[ft]	[µg/L]	[µg/L]	[µg/L]	[µg/L]	[µg/L]				
OW4B	0	2658.	2600.	47.	11.	BD				
MW-10B	350	886.	820.	49.	17.	BD				
MW-17A	780	479.9	180.	290.	9.9	BD				
Redox Indicator Concentration Profiles (11/11/2013)										
	Distance	Oxygen	Nitrate	Mn(II)	Iron(II)	Sulfate	Sulfide	Methane	Hydrogen	Redox
Well Name	[ft]	[mg/L]	[mg/L]	[mg/L]	[mg/L]	[mg/L]	[mg/L]	[mg/L]	[nM]	Condition
OW4B	0	1.94	0.71	BD	BD	190.	BD	BD	BD	Oxic
MW-10B	350	3.64	0.75	BD	BD	220.	BD	BD	BD	Oxic
MW-17A	780	0.05	0.94	BD	BD	660.	BD	BD	BD	Oxic
Attenuation Rates										
	Total Chl. Eth.	PCE	TCE	cis-DCE	Vinyl Chl.					
NAC (Single Zone) [1/ft]	0.0021	0.0034	N/A	0.0012	N/A					
Decay Rate [1/yr]										
Maximum	5.0636	8.4708	N/A	2.6903	N/A					
Average	0.3713	0.6211	N/A	0.1973	N/A					
Minimum	0.0979	0.1637	N/A	0.052	N/A					
Time of Stabilization(TOS) and Max Source Conc. Calculations										
Distance to POC [ft]	1797.0									
			Source Reduction		Time of Stabilization [years]			Time to Equilibrium		
	RCC		Conc [µg/L]		Breakthrough Time			Time to Equilibrium		
Contaminant	[µg/L]	Well	Current	Target	Maximum	Average	Minimum	Maximum	Average	Minimum
Total Chl. Eth.		1	2658							
PCE	5.0	1	2600	No Reduction Required						
TCE	5.0	3	290							
cis-DCE	6.0	2	17	No Reduction Required						

Facility Name: 417 164th Street, Gardena
 Site Name: Former Anco Metal Facility
 Additional Description: C-Zone Reduction to MW-10C

Length: feet
 Time: years
 Mass: pounds

Hydrogeologic Data and Contaminant Transport Calculations

	Maximum	Average	Minimum		NAPL Source
Hydr. Conductivity [ft/yr]	31039.0	2276.0	600.0	NAPL Source Length [ft]	825.0
Hydraulic Gradient [ft/ft]	0.005	0.005	0.005	NAPL Source Width [ft]	225.0
Total Porosity [-]		0.2		Contaminated Aquifer Thickness [ft]	5.0
Effective Porosity [-]		0.07			
Groundwater Vel. [ft/yr]	2217.072	162.571	42.857		

Contaminant Source Specifications

Source Component	Conc Profile	NAPL Constituent
Total Chl. Eth.	True	True
PCE	True	True
TCE	True	True
cis-DCE	True	True
Vinyl Chl.	True	False
Ethene	False	False
Chloride	False	False

Dispersion Parameters

Estimated Plume Length [ft]	4613.6
Longitudinal Dispersivity [ft]	43.38
Dispersivity Ratio [-]	20.0
Transverse Dispersivity [ft]	2.17

Sorption Parameters

Fraction Org. Carbon [-]

Maximum	0.00
Average	0.00
Minimum	0.00

Total Chl. Eth. PCE TCE cis-DCE Vinyl Chl.

Vinyl Chl. 0.5 Insufficient Data

Time of Remediation(TOR) Calculations

NAPL Component	Mass Fraction[-]	Solubility [mg/L]	Molecular Wght[g/mole]
Total Chl. Eth.	0.00	0.0	0.0
PCE	0.00	150.0	165.8
TCE	0.00	1100.0	131.5
cis-DCE	0.00	800.0	97.0
Vinyl Chl.	0.00	2670.0	62.5

Max Time of Analysis [yr] 100

	SCC [µg/L]	Mass [lb]	Removal Plan No Removal MNA
Total Chl. Eth.		7	
PCE	5.0	7	10.0
TCE	5.0	7	15.0
cis-DCE	6.0	7	15.0
Vinyl Chl.	0.5	7	0.0

Koc [L/kg]	126	364	126	65	57
Retardation Factor [-]					
Maximum	1.0	1.0	1.0	1.0	1.0
Average	1.0	1.0	1.0	1.0	1.0
Minimum	1.0	1.0	1.0	1.0	1.0

Contaminant Concentration Profiles (11/11/2013)

Well Name	Distance [ft]	Total Chl. Eth. [µg/L]	PCE [µg/L]	TCE [µg/L]	cis-DCE [µg/L]	Vinyl Chl. [µg/L]
OW4C	0	1401.2	1300.	93.	8.2	BD
MW-10C	350	513.7	480.	29.	4.7	BD
MW-17C	780	243.	180.	43.	20.	BD

Redox Indicator Concentration Profiles (11/11/2013)

Well Name	Distance [ft]	Oxygen [mg/L]	Nitrate [mg/L]	Mn(II) [mg/L]	Iron(II) [mg/L]	Sulfate [mg/L]	Sulfide [mg/L]	Methane [mg/L]	Hydrogen [nM]	Redox Condition
OW4C	0	BD	0.66	BD	BD	170.	BD	BD	BD	Oxic
MW-10C	350	1.23	0.71	BD	BD	190.	BD	BD	BD	Oxic
MW-17C	780	0.14	0.93	0.33	BD	700.	BD	BD	BD	Oxic

Attenuation Rates

	Total Chl. Eth.	PCE	TCE	cis-DCE	Vinyl Chl.
NAC (Single Zone) [1/ft]	0.0022	0.0025	0.0008	N/A	N/A
Decay Rate [1/yr]					
Maximum	5.2256	6.0186	1.9436	N/A	N/A
Average	0.3832	0.4413	0.1425	N/A	N/A
Minimum	0.101	0.1163	0.0376	N/A	N/A

Time of Stabilization(TOS) and Max Source Conc. Calculations

Contaminant	Distance to POC [ft]	RCC [µg/L]	Source Reduction		Time of Stabilization [years]			Time to Equilibrium						
			Well	Conc [µg/L]	Breakthrough Time			Time to Equilibrium						
					Current	Target	Maximum	Average	Minimum	Maximum	Average	Minimum		
Total Chl. Eth.	780.0		1	1401										
PCE	5.0		1	1300	36	15.0	4.0	0.3	31.9	8.4	0.6			
TCE	5.0		1	93	10	17.0	4.5	0.3	37.7	9.9	0.7			
cis-DCE	6.0		3	20	POC is closer than Source Well									

Facility Name: 417 164th Street, Gardena
 Site Name: Former Anco Metal Facility
 Additional Description: C-Zone Distance to MCLs

Length: feet
 Time: years
 Mass: pounds

Hydrogeologic Data and Contaminant Transport Calculations

	Maximum	Average	Minimum		NAPL Source
Hydr. Conductivity [ft/yr]	31039.0	2276.0	600.0	NAPL Source Length [ft]	825.0
Hydraulic Gradient [ft/ft]	0.005	0.005	0.005	NAPL Source Width [ft]	225.0
Total Porosity [-]		0.2		Contaminated Aquifer Thickness [ft]	5.0
Effective Porosity [-]		0.07			
Groundwater Vel. [ft/yr]	2217.071	162.571	42.857		

Contaminant Source Specifications

Source Component	Conc Profile	NAPL Constituent
Total Chl. Eth.	True	True
PCE	True	True
TCE	True	True
cis-DCE	True	True
Vinyl Chl.	True	False
Ethene	False	False
Chloride	False	False

Dispersion Parameters

Estimated Plume Length [ft]	4613.6
Longitudinal Dispersivity [ft]	43.38
Dispersivity Ratio [-]	20.0
Transverse Dispersivity [ft]	2.17

Sorption Parameters

Fraction Org. Carbon [-]	
Maximum	0.00
Average	0.00
Minimum	0.00

Total Chl. Eth. PCE TCE cis-DCE Vinyl Chl.

Vinyl Chl. 0.5 Insufficient Data

Time of Remediation(TOR) Calculations

NAPL Component	Mass Fraction[-]	Solubility [mg/L]	Molecular Wght[g/mole]
Total Chl. Eth.	0.00	0.0	0.0
PCE	0.00	150.0	165.8
TCE	0.00	1100.0	131.5
cis-DCE	0.00	800.0	97.0
Vinyl Chl.	0.00	2670.0	62.5

Max Time of Analysis [yr] 100

	SCC [µg/L]	Mass [lb]	Removal Plan
			No Removal MNA
Total Chl. Eth.		7	
PCE	5.0	7	10.0
TCE	5.0	7	15.0
cis-DCE	6.0	7	15.0
Vinyl Chl.	0.5	7	0.0



CAS Registry No. 7722-64-7
EINECS No. 231-760-3

RemOx® S ISCO Reagent

FACT SHEET

RemOx® S ISCO reagent has been specifically manufactured for environmental applications such as remediation of soils and associated groundwater. This product can be used to degrade a variety of contaminants including chlorinated solvents, polyaromatic hydrocarbons, phenolics, organo-pesticides, and substituted aromatics. RemOx S is shipped with a certificate of analysis to document assay and trace metals.

REMEDATION GRADE

Assay

≥ 98.8% as KMnO_4

Trace Metals

(see Table I)

CHEMICAL/PHYSICAL DATA

Formula	KMnO_4
Formula Weight	158.0 g/mol
Form	Granular Crystalline
Specific Gravity	
Solid	2.703 g/cm ³
3% Solution	1.020 g/mL by weight, 20° C/ 4° C
Bulk Density	Approximately 100 lb/ft ³
Decomposition may start at	150° C/ 302° F

SOLUBILITY IN DISTILLED WATER

Temperature		Solubility	
°C	°F	g/L	oz/gal
0	32	27.8	3.7
20	68	65.0	8.6
40	104	125.2	16.7
60	140	230.0	30.7
70	158	286.4	38.3
75	167	323.5	43.2

SHIPPING CONTAINERS

25-kg pail (55.125-lb) net, with handle, made of high-density polyethylene (HDPE), weighs 3.1 lbs (1.4 kg). It is tapered to allow nested storage of empty pails, stands approximately 15.5 in (39.4 cm) high and has a maximum diameter of 12 in (30.5 cm). (Domestic and international)

150-kg drum (330.75-lb) net, made of 12-gauge steel, weighs 25.3 lbs (11.5 kg). It stands approximately 28.4 in (72.4 cm) high and with approximately 18.25 in (46.4 cm) inside diameter. (Domestic and international)

SHIPPING CONTAINERS

907-kg FIBC (Flexible Intermediate Bulk Container) (2000-lb) net, (UN13H4/Y/0909), made of woven plastic, coated with inner poly liner. Dimensions are 30 in (76.2 cm) high, 30 in (76.2 cm) long, and 48 in (121.9 cm) wide. The spout diameter is 14 in (35.6 cm) and extends 18 in (45.7 cm) in length. (Domestic only)

1000-MT FIBC (Flexible Intermediate Bulk Container) (2205-lb) net, made of woven plastic, coated with inner poly liner. Dimensions are 30 in high (76.2 cm), 30 in (76.2 cm) long, and 48 in (121.9 cm) wide. The spout diameter is 14 in (35.6-cm) and extends 18 in (45.7-cm) in length. (International only)

Special Packages will be considered upon request.

Packaging meets UN performance-oriented packaging requirements.

DESCRIPTION

Crystals or granules are dark purple with a metallic sheen, sometimes with a dark bronze-like appearance. RemOx S has a sweetish, astringent taste and is odorless.

HANDLING, STORAGE, AND INCOMPATIBILITY

Protect containers against physical damage. When handling RemOx S, European Community (CE) approved respirators should be worn to avoid irritation of, or damage to, mucous membranes. Eye protection should also be worn when handling RemOx S as a solid or in solution.

Store in accordance with NFPA 30 requirements in the United States or the European Fire Protection Association in Europe for Class II oxidizers. Additional regulations in Europe are REACH (Regulation for Registration, Evaluation, Authorisation and Restriction of Chemicals), and CLP (Classification, Labeling, Packaging). REACH is a regulation that increases the responsibility of the industry to manage the risks that the chemical may pose. For REACH registration numbers refer to the cSDS. Check local regulations to ensure proper storage.

RemOx S is stable and will keep indefinitely if stored in a cool, dry area in closed containers. Concrete floors are preferred to wooden decks. To clean up spills and leaks, follow the steps recommended in the MSDS or eSDS. Be sure to use goggles, rubber gloves, and respirator when cleaning up a spill or leak.

CARUS CORPORATION

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 CARUS WATER, JINING | Jiangmiao Village, Ershilipu Town, Rencheng District, Jining City, | Shandong Province, China. 272000 | Tel +86.053.7279.1228 / Fax +86.053.7279.1339

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Carus and Design is a registered service mark of Carus Corporation. RemOx® is a registered trademark of Carus Corporation. Responsible Care® is a registered service mark of the American Chemistry Council.



ATTACHMENT VI

ISCO ESTIMATION SPREADSHEET

317 TO 353 WEST GARDENA BOULEVARD, CARSON, CALIFORNIA

Appendix D Environmental Agency Database Search Report
July 1, 2019

Appendix D ENVIRONMENTAL AGENCY DATABASE SEARCH REPORT



333 West Gardena
333 West Gardena
Gardena, CA 90248

Inquiry Number: 5563391.2s
February 14, 2019

The EDR Radius Map™ Report with GeoCheck®



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

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

333 WEST GARDENA
GARDENA, CA 90248

COORDINATES

Latitude (North): 33.8822850 - 33° 52' 56.22"
Longitude (West): 118.2789790 - 118° 16' 44.32"
Universal Transverse Mercator: Zone 11
UTM X (Meters): 381720.0
UTM Y (Meters): 3749646.0
Elevation: 43 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5640440 INGLEWOOD, CA
Version Date: 2012

South Map: 5633779 TORRANCE, CA
Version Date: 2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140513
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
333 WEST GARDENA
GARDENA, CA 90248

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	MIKE CAIN	333 W GARDENA BLVD	HAZNET		TP
A2	ZURON INDUSTRIES INC	321 W GARDENA BLVD	SWEEPS UST, LOS ANGELES CO. HMS	Higher	1 ft.
3	ERA PRODUCTS	354 W GARDENA BLVD	SWEEPS UST, LOS ANGELES CO. HMS	Lower	34, 0.006, WSW
B4	COAST PLATING, INC.	417 WEST 164TH STREE	RCRA-LQG	Lower	106, 0.020, WNW
B5	ANCO METAL IMPROVEME	417 164TH	CPS-SLIC, HIST CORTESE	Lower	106, 0.020, WNW
B6	COAST PLATING, INC.	417 W. 164TH STREET	ENVIROSTOR	Lower	106, 0.020, WNW
B7	VALENCE SURFACE TECH	417 164TH STREET	CPS-SLIC	Lower	106, 0.020, WNW
C8	VISION INC	16205 S BROADWAY	RCRA-SQG, FINDS, ECHO, HAZNET	Higher	176, 0.033, North
B9	EVANS, S.C.	433 WEST 164TH STREE	WMUDS/SWAT	Lower	224, 0.042, WNW
C10	ADVANCE GEAR & MACHI	16201 SO. BORADWAY	RCRA-SQG, FINDS, ECHO	Higher	334, 0.063, North
D11	SECCA CORPORATION	400 W GARDENA BLVD	RCRA-SQG, FINDS, ECHO	Lower	345, 0.065, WSW
B12	COAST PLATING INC	417 AND 433 WEST 164	CPS-SLIC, NPDES, CIWQS	Lower	364, 0.069, WNW
B13	DECORE PLATING	434 WEST 164-TH STRE	ENVIROSTOR	Lower	367, 0.070, West
B14	DECORE PLATING INC	434 W 164TH ST	RCRA-SQG, FINDS, ECHO, HAZNET, LOS ANGELES CO. HMS	Lower	367, 0.070, West
E15	PENHALL COMPANY	16539 S BROADWAY	HIST UST	Lower	440, 0.083, SSE
16	IRI INTERCONICS	130 W GARDENA	RCRA-SQG, FINDS, ECHO	Higher	468, 0.089, ESE
E17	PENHALL COMPANY	16539 S BROADWAY	SWEEPS UST, CA FID UST	Lower	492, 0.093, SSE
F18	AMERICAN HONDA MOTOR	100 W ALONDRA BLVD	RCRA-SQG, FINDS, ECHO	Higher	515, 0.098, NE
F19	PACIFIC BELL CRSNCA0	100 W ALONDRA BLVD	UST	Higher	515, 0.098, NE
F20	AT&T CALIFORNIA - A5	100 W ALONDRA BLVD	AST	Higher	515, 0.098, NE
F21	PACIFIC BELL	100 W ALONDRA BLVD	LUST	Higher	515, 0.098, NE
D22	YAMADA CO INC	445 W GARDENA BLVD	RCRA-SQG, FINDS, ECHO, HAZNET	Lower	525, 0.099, West
G23	UNIT ENGINEERING COR	400 W ALONDRA BLVD	RCRA-SQG, FINDS, ECHO, EMI, HAZNET, LOS ANGELES...	Lower	567, 0.107, NNW
H24	CUSTOM RESEARCH/SIMP	422-32-42 W. ALONDRA	HIST UST	Higher	573, 0.109, NW
H25	CUSTOM RESEARCH/SIMP	422-32-42 W ALONORA	HIST UST	Higher	573, 0.109, NW
26	AMBIT PACIFIC RECYCL	16222 S FIGUEROA ST	SWRCY	Lower	614, 0.116, WNW
I27	KAISER FOUNDATION	310 W ALONDRA BLVD	SWEEPS UST, LOS ANGELES CO. HMS	Higher	619, 0.117, North
J28	S AND M SERVICE STAT	16435 FIGUEROA ST S	LUST	Lower	676, 0.128, West
H29	WESTPAC	16120 S FIGUEROA ST	SWEEPS UST, LOS ANGELES CO. HMS	Higher	682, 0.129, NW
K30	HI TECH HEAT TREATIN	331 W 168TH ST	AST	Lower	686, 0.130, South
K31	HI TECH HEAT TREATIN	331 W 168TH ST	RCRA-LQG	Lower	686, 0.130, South
L32	HARBOR DISTRIBUTION	16407 MAIN ST. S.	LUST, LOS ANGELES CO. HMS	Higher	703, 0.133, East
L33	HARBOR DISTRIBUTION	16407 S MAIN ST	UST	Higher	703, 0.133, East
34	DORN SPE INCORPORATE	333 W ALONDRA BLVD S	RCRA-SQG, FINDS, ECHO	Lower	746, 0.141, North
G35	TICORM INC	355 W ALONDRA BLVD	RCRA-SQG, SWF/LF, FINDS, ECHO, WDS	Lower	746, 0.141, NNW
G36	TICORM INC	355 W ALONDRA	SWF/LF, HAZNET	Lower	746, 0.141, NNW
G37	RJS CHIPPING GRINDIN	355 W ALONDRA BLVD	HIST UST, EMI, NPDES	Lower	746, 0.141, NNW
G38	RJ'S DEMOLITION & DI	355 W ALONDRA AVE	AST	Lower	746, 0.141, NNW
J39	C+S SHELL SERVICE	16435 S FIGUEROA ST	HIST UST	Lower	747, 0.141, West

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MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
J40	SM SERVICE STATION	16435 SOUTH FIGUEROA	ENF, HIST CORTESE, WDR, CIWQS	Lower	747, 0.141, West
J41	S & M SERVICE STATIO	16435 S FIGUEROA ST	UST	Lower	747, 0.141, West
J42	S & M SERVICE STATIO	16435 S FIGUEROA ST	SWEEPS UST, CA FID UST	Lower	747, 0.141, West
H43	PACIFIC SINTERED-NET	16100 S FIGUEROA ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	754, 0.143, NW
H44	ANTEX ELECTRONICS CO	16100 SOUTH FIGUEROA	RCRA-SQG, FINDS, ECHO, HAZNET, LOS ANGELES CO. HMS	Higher	754, 0.143, NW
J45	ROCKET #3	16503 FIGUEROA ST S	LUST	Lower	773, 0.146, West
I46	UNION OIL SERVICE ST	305 W ALONDRA BLVD	HIST UST	Lower	787, 0.149, North
I47	SERVICE STATION 4952	305 W ALONDRA	HIST UST	Lower	787, 0.149, North
I48	UNION OIL SERVICE ST	305 WEST ALONDRA	HIST UST	Lower	787, 0.149, North
M49	GSP ACQUISITION CORP	16520 S FIGUEROA STR	RCRA-LQG, ENVIROSTOR, CPS-SLIC, EMI, HAZNET, LOS...	Lower	792, 0.150, WSW
M50	GARDENA SPECIALIZED	16520 S. FIGUEROA ST	RCRA-LQG, ICIS, FINDS, ECHO	Lower	792, 0.150, WSW
N51	R & J PRINTING	16124 S FIGUEROA ST	SWEEPS UST, HIST UST, CA FID UST	Higher	817, 0.155, NW
N52	R.&J. PRINTING	16124 S FIGUEROA ST	HIST UST	Higher	817, 0.155, NW
I53	ISKENDERIAN RACING C	16020 S.BROADWAY	ENVIROSTOR	Higher	830, 0.157, North
O54	HOROWITZ PROPERTY	16539 MAIN ST S	CPS-SLIC	Lower	851, 0.161, ESE
L55	WINDY CORP	106 W GARDENA BLVD	RCRA NonGen / NLR, FINDS, ECHO	Higher	854, 0.162, East
P56	SMITH BROS CRANE REN	411 W 168TH ST	SWEEPS UST, CA FID UST, HAZNET	Lower	870, 0.165, SSW
P57	TAYLOR BUS SERVICE	411 WEST 168TH STREE	HIST UST	Lower	870, 0.165, SSW
P58	TAYLOR BUS SVC	411 W 168TH ST	RCRA-SQG, HIST UST, FINDS, ECHO	Lower	870, 0.165, SSW
J59	DONS TEXACO	16503 S FIGUEROA	HIST UST	Lower	872, 0.165, WSW
J60	ROCKET #3	16503 FIGUEROA	HIST CORTESE	Lower	872, 0.165, WSW
J61	ROCKET OIL #3	16503 S FIGUEROA ST	SWEEPS UST, CA FID UST	Lower	872, 0.165, WSW
J62	ROCKET OIL #3 PAMELA	16503 S FIGUEROA ST	UST	Lower	872, 0.165, WSW
Q63	KORSON ENTERPRISES	307 168TH ST W	LUST, HIST CORTESE	Lower	909, 0.172, South
K64	MARSMAN LIU	339 W 168TH ST	SWEEPS UST, LOS ANGELES CO. HMS	Lower	922, 0.175, South
Q65	NA COM/MARTIN KORSON	307 W 168TH ST	SWEEPS UST, LOS ANGELES CO. HMS	Lower	934, 0.177, South
N66	ARCO #5090	16101 FIGUEROA ST	LUST, HIST CORTESE	Higher	936, 0.177, NW
N67	ZENEN GUTIERREZ	16101 S FIGUEROA ST	HIST UST	Higher	936, 0.177, NW
N68	ARCO #5090	16101 FIGUEROA ST	LUST	Higher	936, 0.177, NW
N69	ARCO PRODUCTS #05090	16101 S FIGUEROA ST	SWEEPS UST, LOS ANGELES CO. HMS	Higher	936, 0.177, NW
N70	ZENEN GUTIERREZ	16101 S FIGUEROA ST	SWEEPS UST, CA FID UST	Higher	936, 0.177, NW
P71	SMITH BROTHERS CRANE	411 168TH ST W	LUST	Lower	956, 0.181, SSW
P72	SMITH BROTHERS CRANE	411 168TH	HIST CORTESE	Lower	956, 0.181, SSW
N73	LOUIS F. DE MARTINI	509 ALONDRA	CPS-SLIC	Higher	996, 0.189, NW
P74	ELLIS & VANS' FOUNDR	358 W 168TH ST	SWEEPS UST, HIST UST, EMI	Lower	997, 0.189, SSW
P75	HANSEN'S WELDING INC	358 WEST 168TH STREE	HIST UST, HAZNET	Lower	997, 0.189, SSW
R76	ANVIL IRON INC	137 W 168TH ST	UST, HIST UST	Lower	1003, 0.190, SSE
R77	AMERICAN CONTRACTING	137 WEST 168TH ST	HIST UST	Lower	1003, 0.190, SSE
R78	JENNAT CORP	137 W 168TH ST	LUST, LOS ANGELES CO. HMS	Lower	1003, 0.190, SSE

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R79	ANVIL IRON INC	137 W 168TH ST	SWEEPS UST, CA FID UST, EMI, LOS ANGELES CO. HMS	Lower	1003, 0.190, SSE
R80	ANVIL IRON, INC	137 W 168TH ST	HIST UST, EMI	Lower	1003, 0.190, SSE
R81	ANVIL IRON INC	137 WEST 168TH STREE	HIST UST	Lower	1003, 0.190, SSE
O82	HOROWITZ PROPERTY, T	16539 S. MAIN STREET	ENVIROSTOR, VCP	Lower	1007, 0.191, ESE
Q83	LANCE MFG CO INC	16801 S BROADWAY	RCRA NonGen / NLR, FINDS, ECHO, HAZNET	Lower	1008, 0.191, South
S84	IC COMPOUND	120 E 163RD	CA FID UST	Higher	1101, 0.209, ENE
T85	AMERICAN HONDA MOTOR	100 ALONDRA BLVD W	LUST, HIST CORTESE	Higher	1132, 0.214, NE
86	GRAPHIC PRINTS INC	16540 S MAIN ST	RCRA-SQG, SWEEPS UST, FINDS, ECHO, EMI, HAZNET,...	Lower	1139, 0.216, ESE
U87	BARON-BLAKESLEE INC.	525 ALONDRA	HIST CORTESE	Higher	1159, 0.220, NW
U88	BARON-BLAKESLEE INC.	525 ALONDRA BLVD E	LUST	Higher	1159, 0.220, NW
S89	I C COMPOUND CO	120 E 163RD ST	UST	Higher	1189, 0.225, ENE
S90	IC COMPOUND	120 E 163RD	SWEEPS UST	Higher	1189, 0.225, ENE
S91	I C COMPOUND CO	120 E 163RD ST	SWEEPS UST, LOS ANGELES CO. HMS	Higher	1189, 0.225, ENE
S92	I C COMPOUND	120 EAST 163RD STREE	RCRA-CESQG, FINDS	Higher	1189, 0.225, ENE
V93	THE CORNER COIN CAR	16717 S FIGUEROA ST	SWEEPS UST, CA FID UST	Lower	1199, 0.227, SW
S94	AIRCRAFT HYDROFORMIN	131 GARDENA BLVD E	LUST, HIST CORTESE	Higher	1216, 0.230, ENE
S95	HAROLD LUDWIG CO	122 E 163RD ST	HIST UST	Higher	1216, 0.230, ENE
W96	CALI-BLOK DIV OF EIS	15930 S FIGUEROA ST	SWEEPS UST, HIST UST, EMI	Higher	1220, 0.231, NNW
W97	PARKER HANNIFIN CORP	15930 S FIGUEROA ST	RCRA-SQG, FINDS, ECHO, HAZNET	Higher	1220, 0.231, NNW
98	MR WRIST PIN INC	126 EAST 162ND ST	RCRA-SQG, FINDS, ECHO	Higher	1281, 0.243, NE
V99	LIBERTY DISPOSAL SER	16804 S. FIGUEROA ST	SWF/LF	Lower	1299, 0.246, SW
X100	UNITED BEARING COMPA	15916 SOUTH FIGUEROA	RCRA-SQG, LUST, FINDS, ECHO, HAZNET, HIST CORTESE	Higher	1352, 0.256, NNW
101	SUPERIOR ENGINEERED	406 ALONDRA BLVD	LUST, HIST CORTESE	Higher	1375, 0.260, NE
102	OTY INC	16820 SOUTH FIGUEROA	LUST, ENF, HIST CORTESE, WDR, CIWQS	Lower	1389, 0.263, SSW
T103	CENTRE POINT PROPERT	17230/1725 SOUTH MAI	CPS-SLIC	Higher	1395, 0.264, NE
Y104	BIG D AUTO WRECKING	16815 MAIN ST. S.	LUST	Lower	1406, 0.266, SSE
Y105	SA RECYCLING	16815 S MAIN ST	SWRCY	Lower	1406, 0.266, SSE
Z106	ALCO MINING CO	16908 S BROADWAY	SEMS-ARCHIVE	Lower	1422, 0.269, SSE
Y107	AMERIGAS PROPANE L.P	16800 S MAIN ST	LUST, HIST UST, EMI, NPDES	Lower	1436, 0.272, SE
Z108	ALCO PACIFIC	16914 SOUTH BROADWAY	HIST Cal-Sites, HIST UST, Cortese, LOS ANGELES CO...	Lower	1485, 0.281, SSE
Z109	ALCO PACIFIC, INC.	16914 SOUTH BROADWAY	RESPONSE, ENVIROSTOR, LIENS	Lower	1485, 0.281, SSE
Z110	ALCO PACIFIC	16914 BROADWAY	HIST CORTESE	Lower	1485, 0.281, SSE
Z111	ALCO PACIFIC SITE	16914 S BROADWAY	SEMS-ARCHIVE, CORRACTS, RCRA NonGen / NLR, 2020...	Lower	1485, 0.281, SSE
Z112	ALCO PACIFIC INC	16914 S BROADWAY	ENVIROSTOR, HWP	Lower	1485, 0.281, SSE
113	AIRCRAFT HYDRO-FORMI	155 E GARDENA BLVD	LUST, LOS ANGELES CO. HMS	Higher	1544, 0.292, East
X114	AB PLASTICS	15730 FIGUEROA	HIST CORTESE	Higher	1589, 0.301, NNW
X115	AB PLASTICS	15730 FIGUEROA ST S	LUST	Higher	1589, 0.301, NNW
AA116	RELIANCE UPHOLSTERY	15902 MAIN	HIST CORTESE	Higher	1625, 0.308, NNE
AA117	RELIANCE UPHOLSTERY	15902 MAIN ST S	LUST	Higher	1649, 0.312, NNE

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118	SOS METALS-INC	201 E GARDENA BLVD.	ENVIROSTOR, HIST UST	Higher	1700, 0.322, East
AB119	ELIXIR INDUSTRIES	15722 BROADWAY	HIST CORTESE	Lower	1739, 0.329, North
AC120	RAM CHEMICAL CORPORA	210 EAST ALONDRA BOU	ENVIROSTOR	Higher	1894, 0.359, NE
AC121	EPS DBA VALSPAR	210 E ALONDRA BLVD	SEMS-ARCHIVE, HIST UST, RCRA NonGen / NLR, US AIRS	Higher	1894, 0.359, NE
122	TRICO - INDUSTRIES	15707 MAIN ST S	LUST, CPS-SLIC, HIST CORTESE	Higher	1899, 0.360, NNE
AB123	ELIXIR INDUSTRIES	15722 BROADWAY S	LUST	Higher	1919, 0.363, North
AD124	TRIMEN SALES INC	17021 S BROADWAY	CPS-SLIC, HIST UST, LOS ANGELES CO. HMS	Lower	2004, 0.380, South
AD125	TRIMEN OIL	17021 BROADWAY	CPS-SLIC	Lower	2004, 0.380, South
126	AMERICAN RACING EQUI	17006 S. FIGUEROA ST	ENVIROSTOR	Lower	2023, 0.383, SSW
127	SPARKLETTS DRINKING	221 ALONDRA BLVD	SEMS-ARCHIVE, RCRA-SQG	Higher	2079, 0.394, NE
AE128	STEPSTONE INC	17025 S MAIN ST	LUST, HAZNET, LOS ANGELES CO. HMS, NPDES, WDS	Lower	2082, 0.394, SSE
AE129	STEPSTONE, INC.	17025 MAIN ST S	LUST	Lower	2092, 0.396, SSE
AF130	IPS CORPORATION	17109 SOUTH MAIN STR	RCRA-LQG, LUST, UST, SWEEPS UST, ICIS, US AIRS,...	Lower	2231, 0.423, SSE
AF131	INDUSTRIAL POLYCHEMI	17109 SOUTH MAIN STR	RESPONSE, ENVIROSTOR	Lower	2231, 0.423, SSE
AF132	INDUSTRIAL POLYCHEMI	17109 SOUTH MAIN STR	Cortese	Lower	2231, 0.423, SSE
AF133	INDUSTRIAL POLYCHEMI	17109 SOUTH MAIN ST	CPS-SLIC	Lower	2231, 0.423, SSE
AF134	INDUSTRIAL POLYCHEMI	17109 MAIN ST S	CPS-SLIC	Lower	2231, 0.423, SSE
AF135	INDUSTRIAL POLYCHEMI	17109 MAIN	CPS-SLIC	Lower	2231, 0.423, SSE
136	SAFETY KLEEN CORP 7	139 E 175TH ST	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, ENVIROSTOR,...	Higher	2415, 0.457, NNE
AG137	ADVANCED PACKAGING &	16131 SOUTH MAPLE AV	SEMS, PRP	Higher	2463, 0.466, ENE
AG138	PJH GROUP, INC.	16131 MAPLE AVE S	LUST	Higher	2527, 0.479, ENE
AG139	ADVANCED PACKAGING &	16131 SOUTH MAPLE AV	ENVIROSTOR, CPS-SLIC, HIST CORTESE	Higher	2527, 0.479, ENE
140	CUNNINGHAM RODS	535/ 550 WEST 172ND	LUST	Lower	2599, 0.492, SSW
AH141	J. L. MANTA	133 WEST 155TH STREE	RESPONSE, ENVIROSTOR, HIST Cal-Sites	Higher	2767, 0.524, North
AI142	MODERN HEAT TREATING	15402 SOUTH BROADWAY	ENVIROSTOR	Higher	2894, 0.548, North
AH143	COAST PLATING INC	128 W 154TH ST	ENVIROSTOR, LOS ANGELES CO. HMS, WDS	Higher	2961, 0.561, North
AH144	COAST PLATING INC	128-150 W 154TH ST	ENVIROSTOR, EMI	Higher	2961, 0.561, North
AI145	LEE JAMES G RECORD P	145 W 154TH ST	RCRA-SQG, ENVIROSTOR, DEED, FINDS, ECHO	Higher	3064, 0.580, North
146	ACCU-CHROME PLATING	119 W. 154TH STREET	ENVIROSTOR	Higher	3095, 0.586, North
AI147	AUTOMATED ETCHING IN	15311 SOUTH BROADWAY	ENVIROSTOR	Higher	3110, 0.589, North
148	MAGNOLIA CHARTER SCH	555 W. REDONDO BEACH	ENVIROSTOR, SCH	Higher	3519, 0.666, NNW
AJ149	TP INDUSTRIAL, INC	525 E ALONDRA BL	ENVIROSTOR, CPS-SLIC, HIST UST, DEED, EMI,...	Higher	3864, 0.732, ENE
AJ150	TP INDUSTRIAL INC	525 E. ALONDRA BLVD	CORRACTS, RCRA-TSDF, RCRA-LQG, US FIN ASSUR, LOS...	Higher	3864, 0.732, ENE
AK151	MOEN FOAM COMPANY	16627 AVALON BLVD	RESPONSE, ENVIROSTOR, HIST CORTESE	Higher	4006, 0.759, East
AK152	MOEN FOAM COMPANY	16627 AVALON BLVD	HIST Cal-Sites	Higher	4006, 0.759, East
153	PACIFIC ELECTRICORD	747 W REDONDO BEACH	RCRA-SQG, ENVIROSTOR, EMI, WDS, CIWQS	Higher	4203, 0.796, NW
154	PRIME WHEEL CORP	17705 S MAIN ST	ENVIROSTOR, LOS ANGELES CO. HMS, NPDES, WDS	Lower	4250, 0.805, SSE
155	CORONET MANUFACTURIN	16210 S AVALON BLVD	RCRA-SQG, ENVIROSTOR, ICIS, US AIRS, EMI, LOS...	Higher	4305, 0.815, ENE
156	SAFETY KLEEN OF CALI	16604 SAN PEDRO ST	HAZNET, ICE, HWP, NPDES, CIWQS	Higher	4492, 0.851, East

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157	AEROTRON SUPPLY COMP	556 WEST 182ND STREE	ENVIROSTOR	Lower	4597, 0.871, SSW
AL158	EMERSON AND CUMING	604 WEST 182ND STREE	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, ENVIROSTOR,...	Higher	4735, 0.897, SSW
AL159	EMERSON & CUMING INC	604 WEST 182ND STREE	ENVIROSTOR	Higher	4735, 0.897, SSW
160	CHEMTRUST INDUSTRIES	333 WEST CROWN VISTA	ENVIROSTOR	Higher	4842, 0.917, North
161	VIRCO PROPERTY	15134 SOUTH VERMONT	ENVIROSTOR, CPS-SLIC	Higher	4891, 0.926, NW
162	DEPARTMENT OF TRANSP	731 WEST 182ND STREE	ENVIROSTOR	Lower	5066, 0.959, SSW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
MIKE CAIN 333 W GARDENA BLVD CARSON, CA 90248	HAZNET GEPaid: CAC002815298	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing

EXECUTIVE SUMMARY

INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Considered Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

HAULERS..... Registered Waste Tire Haulers Listing

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

ODI..... Open Dump Inventory

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register

AOCONCERN..... Key Areas of Concerns in Los Angeles County

SCH..... School Property Evaluation Program

CDL..... Clandestine Drug Labs

Toxic Pits..... Toxic Pits Cleanup Act Sites

CERS HAZ WASTE..... CERS HAZ WASTE

US CDL..... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

CERS TANKS..... California Environmental Reporting System (CERS) Tanks

Local Land Records

LIENS..... Environmental Liens Listing

LIENS 2..... CERCLA Lien Information

DEED..... Deed Restriction Listing

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

CHMIRS..... California Hazardous Material Incident Report System

LDS..... Land Disposal Sites Listing

MCS..... Military Cleanup Sites Listing

SPILLS 90..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS..... Formerly Used Defense Sites

EXECUTIVE SUMMARY

DOD.....	Department of Defense Sites
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List
TSCA.....	Toxic Substances Control Act
TRIS.....	Toxic Chemical Release Inventory System
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
FINDS.....	Facility Index System/Facility Registry System
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
UXO.....	Unexploded Ordnance Sites
ECHO.....	Enforcement & Compliance History Information
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN.....	Bond Expenditure Plan
CUPA Listings.....	CUPA Resources List
DRYCLEANERS.....	Cleaner Facilities
EML.....	Emissions Inventory Data
ENF.....	Enforcement Action Listing
Financial Assurance.....	Financial Assurance Information Listing
ICE.....	ICE
LOS ANGELES CO. HMS.....	HMS: Street Number List
HWT.....	Registered Hazardous Waste Transporter Database
MINES.....	Mines Site Location Listing
MWMP.....	Medical Waste Management Program Listing
NPDES.....	NPDES Permits Listing
PEST LIC.....	Pesticide Regulation Licenses Listing
PROC.....	Certified Processors Database
Notify 65.....	Proposition 65 Records
LA Co. Site Mitigation.....	Site Mitigation List
UIC.....	UIC Listing
UIC GEO.....	UIC GEO (GEOTRACKER)
WASTEWATER PITS.....	Oil Wastewater Pits Listing

EXECUTIVE SUMMARY

WDS.....	Waste Discharge System
MILITARY PRIV SITES.....	MILITARY PRIV SITES (GEOTRACKER)
PROJECT.....	PROJECT (GEOTRACKER)
WDR.....	Waste Discharge Requirements Listing
CIWQS.....	California Integrated Water Quality System
CERS.....	CERS
WIP.....	Well Investigation Program Case List
NON-CASE INFO.....	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS.....	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS.....	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT.....	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ.....	Well Stimulation Project (GEOTRACKER)

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto.....	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner.....	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF.....	Recovered Government Archive Solid Waste Facilities List
RGA LUST.....	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS list

SEMS: SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response,

EXECUTIVE SUMMARY

Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the SEMS list, as provided by EDR, and dated 12/12/2018 has revealed that there is 1 SEMS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ADVANCED PACKAGING & Site ID: 0908363 EPA Id: CAN000908363	16131 SOUTH MAPLE AV	ENE 1/4 - 1/2 (0.466 mi.)	AG137	402

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 12/13/2018 has revealed that there are 5 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EPS DBA VALSPAR Site ID: 0901558 EPA Id: CAD071911051	210 E ALONDRA BLVD	NE 1/4 - 1/2 (0.359 mi.)	AC121	308
SPARKLETT'S DRINKING Site ID: 0903626 EPA Id: CAD044408888	221 ALONDRA BLVD	NE 1/4 - 1/2 (0.394 mi.)	127	323
SAFETY KLEEN CORP 7 Site ID: 0903375 EPA Id: CAT000613919	139 E 175TH ST	NNE 1/4 - 1/2 (0.457 mi.)	136	385

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ALCO MINING CO Site ID: 0901719 EPA Id: CAD980359020	16908 S BROADWAY	SSE 1/4 - 1/2 (0.269 mi.)	Z106	235
ALCO PACIFIC SITE Site ID: 0904453 EPA Id: CAD008387250	16914 S BROADWAY	SSE 1/4 - 1/2 (0.281 mi.)	Z111	288

EXECUTIVE SUMMARY

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/01/2018 has revealed that there are 4 CORRACTS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SAFETY KLEEN CORP 7 EPA ID:: CAT000613919	139 E 175TH ST	NNE 1/4 - 1/2 (0.457 mi.)	136	385
TP INDUSTRIAL INC EPA ID:: CAD097465132	525 E. ALONDRA BLVD	ENE 1/2 - 1 (0.732 mi.)	AJ150	440
EMERSON AND CUMING EPA ID:: CAD095627741	604 WEST 182ND STREE	SSW 1/2 - 1 (0.897 mi.)	AL158	561
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ALCO PACIFIC SITE EPA ID:: CAD008387250	16914 S BROADWAY	SSE 1/4 - 1/2 (0.281 mi.)	Z111	288

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 03/01/2018 has revealed that there is 1 RCRA-TSDF site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SAFETY KLEEN CORP 7 EPA ID:: CAT000613919	139 E 175TH ST	NNE 1/4 - 1/2 (0.457 mi.)	136	385

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 03/01/2018 has revealed that there are 4

EXECUTIVE SUMMARY

RCRA-LQG sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
COAST PLATING, INC. EPA ID:: CAD009645268	417 WEST 164TH STREE	WNW 0 - 1/8 (0.020 mi.)	B4	11
HI TECH HEAT TREATIN EPA ID:: CAR000275164	331 W 168TH ST	S 1/8 - 1/4 (0.130 mi.)	K31	70
GSP ACQUISITION CORP EPA ID:: CAD981384837	16520 S FIGUEROA STR	WSW 1/8 - 1/4 (0.150 mi.)	M49	104
GARDENA SPECIALIZED EPA ID:: CAL000340561	16520 S. FIGUEROA ST	WSW 1/8 - 1/4 (0.150 mi.)	M50	130

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/01/2018 has revealed that there are 15 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
VISION INC EPA ID:: CAD983672726	16205 S BROADWAY	N 0 - 1/8 (0.033 mi.)	C8	23
ADVANCE GEAR & MACHI EPA ID:: CAD981652944	16201 SO. BORADWAY	N 0 - 1/8 (0.063 mi.)	C10	27
IRI INTERCONICS EPA ID:: CAD981450174	130 W GARDENA	ESE 0 - 1/8 (0.089 mi.)	16	45
AMERICAN HONDA MOTOR EPA ID:: CAD008860389	100 W ALONDRA BLVD	NE 0 - 1/8 (0.098 mi.)	F18	47
ANTEX ELECTRONICS CO EPA ID:: CAD980888267	16100 SOUTH FIGUEROA	NW 1/8 - 1/4 (0.143 mi.)	H44	96
PARKER HANNIFIN CORP EPA ID:: CAD981454853	15930 S FIGUEROA ST	NNW 1/8 - 1/4 (0.231 mi.)	W97	206
MR WRIST PIN INC EPA ID:: CAD009685397	126 EAST 162ND ST	NE 1/8 - 1/4 (0.243 mi.)	98	210

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SECCA CORPORATION EPA ID:: CAD983648460	400 W GARDENA BLVD	WSW 0 - 1/8 (0.065 mi.)	D11	29
DECORE PLATING INC EPA ID:: CAR000051649	434 W 164TH ST	W 0 - 1/8 (0.070 mi.)	B14	40
YAMADA CO INC EPA ID:: CAD983656885	445 W GARDENA BLVD	W 0 - 1/8 (0.099 mi.)	D22	52
UNIT ENGINEERING COR EPA ID:: CAD008268013	400 W ALONDRA BLVD	NNW 0 - 1/8 (0.107 mi.)	G23	55
DORN SPE INCORPORATE	333 W ALONDRA BLVD S	N 1/8 - 1/4 (0.141 mi.)	34	75

EXECUTIVE SUMMARY

EPA ID:: CAR000082990				
TICORM INC	355 W ALONDRA BLVD	NNW 1/8 - 1/4 (0.141 mi.)	G35	76
EPA ID:: CAD981626732				
TAYLOR BUS SVC	411 W 168TH ST	SSW 1/8 - 1/4 (0.165 mi.)	P58	142
EPA ID:: CAD981684376				
GRAPHIC PRINTS INC	16540 S MAIN ST	ESE 1/8 - 1/4 (0.216 mi.)	86	182
EPA ID:: CAD020750493				

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 03/01/2018 has revealed that there is 1 RCRA-CESQG site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
I C COMPOUND	120 EAST 163RD STREE	ENE 1/8 - 1/4 (0.225 mi.)	S92	200
EPA ID:: CAD981621014				

State- and tribal - equivalent NPL

RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the RESPONSE list, as provided by EDR, has revealed that there are 4 RESPONSE sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
J. L. MANTA	133 WEST 155TH STREE	N 1/2 - 1 (0.524 mi.)	AH141	407
Database: RESPONSE, Date of Government Version: 10/29/2018 Status: Certified Facility Id: 19990016				
MOEN FOAM COMPANY	16627 AVALON BLVD	E 1/2 - 1 (0.759 mi.)	AK151	480
Database: RESPONSE, Date of Government Version: 10/29/2018 Status: Refer: EPA Facility Id: 19300002				
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ALCO PACIFIC, INC.	16914 SOUTH BROADWAY	SSE 1/4 - 1/2 (0.281 mi.)	Z109	263
Database: RESPONSE, Date of Government Version: 10/29/2018 Status: Certified / Operation & Maintenance Facility Id: 19340753				
INDUSTRIAL POLYCHEMI	17109 SOUTH MAIN STR	SSE 1/4 - 1/2 (0.423 mi.)	AF131	374
Database: RESPONSE, Date of Government Version: 10/29/2018				

EXECUTIVE SUMMARY

Status: Active
Facility Id: 60001937

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 10/29/2018 has revealed that there are 32 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ISKENDERIAN RACING C Facility Id: 60000147 Status: Refer: 1248 Local Agency	16020 S.BROADWAY	N 1/8 - 1/4 (0.157 mi.)	I53	136
SOS METALS-INC Facility Id: 60000314 Status: Inactive - Action Required	201 E GARDENA BLVD.	E 1/4 - 1/2 (0.322 mi.)	118	305
RAM CHEMICAL CORPORA Facility Id: 19280307 Status: Refer: Other Agency	210 EAST ALONDRA BOU	NE 1/4 - 1/2 (0.359 mi.)	AC120	307
SAFETY KLEEN CORP 7 Facility Id: 80001783 Status: Active	139 E 175TH ST	NNE 1/4 - 1/2 (0.457 mi.)	136	385
ADVANCED PACKAGING & Facility Id: 60001290 Status: Refer: EPA	16131 SOUTH MAPLE AV	ENE 1/4 - 1/2 (0.479 mi.)	AG139	404
J. L. MANTA Facility Id: 19990016 Status: Certified	133 WEST 155TH STREE	N 1/2 - 1 (0.524 mi.)	AH141	407
MODERN HEAT TREATING Facility Id: 19330222 Status: Refer: Other Agency	15402 SOUTH BROADWAY	N 1/2 - 1 (0.548 mi.)	AI142	411
COAST PLATING INC Facility Id: 19340663 Status: Refer: Other Agency	128 W 154TH ST	N 1/2 - 1 (0.561 mi.)	AH143	412
COAST PLATING INC Facility Id: 71002304 Status: No Action Required	128-150 W 154TH ST	N 1/2 - 1 (0.561 mi.)	AH144	415
LEE JAMES G RECORD P Facility Id: 71003728	145 W 154TH ST	N 1/2 - 1 (0.580 mi.)	AI145	419

EXECUTIVE SUMMARY

Status: Certified O&M - Land Use Restrictions Only

ACCU-CHROME PLATING Facility Id: 60001497 Status: Inactive - Action Required	119 W. 154TH STREET	N 1/2 - 1 (0.586 mi.)	146	424
AUTOMATED ETCHING IN Facility Id: 19380054 Status: Refer: Other Agency	15311 SOUTH BROADWAY	N 1/2 - 1 (0.589 mi.)	AI147	425
MAGNOLIA CHARTER SCH Facility Id: 60000945 Status: No Further Action	555 W. REDONDO BEACH	NNW 1/2 - 1 (0.666 mi.)	148	426
TP INDUSTRIAL, INC Facility Id: 80001731 Status: Active	525 E ALONDRA BL	ENE 1/2 - 1 (0.732 mi.)	AJ149	428
MOEN FOAM COMPANY Facility Id: 19300002 Status: Refer: EPA	16627 AVALON BLVD	E 1/2 - 1 (0.759 mi.)	AK151	480
PACIFIC ELECTRICORD Facility Id: 71003785 Status: Refer: RWQCB	747 W REDONDO BEACH	NW 1/2 - 1 (0.796 mi.)	153	487
CORONET MANUFACTURIN Facility Id: 71002611 Status: Refer: Other Agency	16210 S AVALON BLVD	ENE 1/2 - 1 (0.815 mi.)	155	500
EMERSON AND CUMING Facility Id: 80001717 Status: No Further Action	604 WEST 182ND STREE	SSW 1/2 - 1 (0.897 mi.)	AL158	561
EMERSON & CUMING INC Facility Id: 19300176 Status: Refer: RCRA	604 WEST 182ND STREE	SSW 1/2 - 1 (0.897 mi.)	AL159	571
CHEMTRUST INDUSTRIES Facility Id: 19280876 Status: No Further Action	333 WEST CROWN VISTA	N 1/2 - 1 (0.917 mi.)	160	573
VIRCO PROPERTY Facility Id: 19340016 Status: No Further Action	15134 SOUTH VERMONT	NW 1/2 - 1 (0.926 mi.)	161	574

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
COAST PLATING, INC. Facility Id: 71002311 Status: Refer: Other Agency	417 W. 164TH STREET	WNW 0 - 1/8 (0.020 mi.)	B6	21
DECORE PLATING Facility Id: 60001441 Status: Inactive - Action Required	434 WEST 164-TH STRE	W 0 - 1/8 (0.070 mi.)	B13	39
GSP ACQUISITION CORP Facility Id: 71003816 Status: Refer: Other Agency	16520 S FIGUEROA STR	WSW 1/8 - 1/4 (0.150 mi.)	M49	104
HOROWITZ PROPERTY, T Facility Id: 60002527 Status: Active	16539 S. MAIN STREET	ESE 1/8 - 1/4 (0.191 mi.)	O82	173
ALCO PACIFIC, INC.	16914 SOUTH BROADWAY	SSE 1/4 - 1/2 (0.281 mi.)	Z109	263

EXECUTIVE SUMMARY

Facility Id: 19340753
 Status: Certified / Operation & Maintenance

ALCO PACIFIC INC	16914 S BROADWAY	SSE 1/4 - 1/2 (0.281 mi.)	Z112	295
Facility Id: 80001579 Status: Refer: SMBRP				
AMERICAN RACING EQUI	17006 S. FIGUEROA ST	SSW 1/4 - 1/2 (0.383 mi.)	126	321
Facility Id: 71002599 Status: No Further Action				
INDUSTRIAL POLYCHEMI	17109 SOUTH MAIN STR	SSE 1/4 - 1/2 (0.423 mi.)	AF131	374
Facility Id: 60001937 Status: Active				
PRIME WHEEL CORP	17705 S MAIN ST	SSE 1/2 - 1 (0.805 mi.)	154	492
Facility Id: 71003444 Status: Refer: Other Agency				
AEROTRON SUPPLY COMP	556 WEST 182ND STREE	SSW 1/2 - 1 (0.871 mi.)	157	559
Facility Id: 19500102 Status: Refer: RCRA				
DEPARTMENT OF TRANSP	731 WEST 182ND STREE	SSW 1/2 - 1 (0.959 mi.)	162	576
Facility Id: 19340733 Status: Refer: Local Agency				

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, has revealed that there are 3 SWF/LF sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TICORM INC	355 W ALONDRA BLVD	NNW 1/8 - 1/4 (0.141 mi.)	G35	76
Database: SWF/LF (SWIS), Date of Government Version: 11/12/2018 Facility ID: 19-AA-1116 Operational Status: Active Regulation Status: Notification				
TICORM INC	355 W ALONDRA	NNW 1/8 - 1/4 (0.141 mi.)	G36	79
Database: LOS ANGELES CO. LF, Date of Government Version: 10/15/2018 Site ID: 2586 Status: Active				
LIBERTY DISPOSAL SER	16804 S. FIGUEROA ST	SW 1/8 - 1/4 (0.246 mi.)	V99	212
Database: LOS ANGELES CO. LF, Date of Government Version: 10/15/2018 Site ID: 252 Status: Active				

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 28 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PACIFIC BELL Database: LUST, Date of Government Version: 12/10/2018 Status: Completed - Case Closed Global Id: T0603724267	100 W ALONDRA BLVD	NE 0 - 1/8 (0.098 mi.)	F21	50
HARBOR DISTRIBUTION Database: LUST, Date of Government Version: 12/10/2018 Status: Completed - Case Closed Global Id: T0603721588	16407 MAIN ST. S.	E 1/8 - 1/4 (0.133 mi.)	L32	72
ARCO #5090 Database: LUST, Date of Government Version: 12/10/2018 Status: Completed - Case Closed Global Id: T0603705094	16101 FIGUEROA ST	NW 1/8 - 1/4 (0.177 mi.)	N66	152
ARCO #5090 Database: LUST REG 4, Date of Government Version: 09/07/2004 Facility Id: R-12072 Status: Case Closed Global ID: T0603705094	16101 FIGUEROA ST	NW 1/8 - 1/4 (0.177 mi.)	N68	155
AMERICAN HONDA MOTOR Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/10/2018 Status: Completed - Case Closed Facility Id: I-05543 Status: Case Closed Global Id: T0603703081 Global ID: T0603703081	100 ALONDRA BLVD W	NE 1/8 - 1/4 (0.214 mi.)	T85	180
BARON-BLAKESLEE INC. Database: LUST REG 4, Date of Government Version: 09/07/2004 Facility Id: R-04043 Status: Pollution Characterization Global ID: T0603704635	525 ALONDRA BLVD E	NW 1/8 - 1/4 (0.220 mi.)	U88	195
AIRCRAFT HYDROFORMIN Database: LUST REG 4, Date of Government Version: 09/07/2004 Facility Id: 000276 Status: Leak being confirmed Global ID: T0603700012	131 GARDENA BLVD E	ENE 1/8 - 1/4 (0.230 mi.)	S94	203
UNITED BEARING COMPA Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/10/2018 Status: Completed - Case Closed Facility Id: R-10370 Status: Case Closed Global Id: T0603704933	15916 SOUTH FIGUEROA	NNW 1/4 - 1/2 (0.256 mi.)	X100	212

EXECUTIVE SUMMARY

Global ID: T0603704933				
SUPERIOR ENGINEERED	406 ALONDRA BLVD	NE 1/4 - 1/2 (0.260 mi.)	101	218
Database: LUST REG 4, Date of Government Version: 09/07/2004				
Database: LUST, Date of Government Version: 12/10/2018				
Status: Completed - Case Closed				
Facility Id: I-06113				
Status: Case Closed				
Global Id: T0603703167				
Global ID: T0603703167				
AIRCRAFT HYDRO-FORMI	155 E GARDENA BLVD	E 1/4 - 1/2 (0.292 mi.)	113	298
Database: LUST, Date of Government Version: 12/10/2018				
Status: Completed - Case Closed				
Global Id: T1000000998				
AB PLASTICS	15730 FIGUEROA ST S	NNW 1/4 - 1/2 (0.301 mi.)	X115	300
Database: LUST REG 4, Date of Government Version: 09/07/2004				
Database: LUST, Date of Government Version: 12/10/2018				
Status: Completed - Case Closed				
Facility Id: I-10698				
Status: Case Closed				
Global Id: T0603703649				
Global ID: T0603703649				
RELIANCE UPHOLSTERY	15902 MAIN ST S	NNE 1/4 - 1/2 (0.312 mi.)	AA117	302
Database: LUST REG 4, Date of Government Version: 09/07/2004				
Database: LUST, Date of Government Version: 12/10/2018				
Status: Completed - Case Closed				
Facility Id: I-00082				
Status: Case Closed				
Global Id: T0603702664				
Global ID: T0603702664				
TRICO - INDUSTRIES	15707 MAIN ST S	NNE 1/4 - 1/2 (0.360 mi.)	122	316
Database: LUST REG 4, Date of Government Version: 09/07/2004				
Facility Id: R-20820				
Status: Case Closed				
Global ID: T0603705315				
ELIXIR INDUSTRIES	15722 BROADWAY S	N 1/4 - 1/2 (0.363 mi.)	AB123	318
Database: LUST REG 4, Date of Government Version: 09/07/2004				
Database: LUST, Date of Government Version: 12/10/2018				
Status: Completed - Case Closed				
Facility Id: R-00709				
Status: Case Closed				
Global Id: T0603704537				
Global ID: T0603704537				
SAFETY KLEEN CORP 7	139 E 175TH ST	NNE 1/4 - 1/2 (0.457 mi.)	136	385
Database: LUST REG 4, Date of Government Version: 09/07/2004				
Database: LUST, Date of Government Version: 12/10/2018				
Status: Completed - Case Closed				
Facility Id: 902480043				
Status: Case Closed				
Global Id: T0603701279				
Global ID: T0603701279				
PJH GROUP, INC.	16131 MAPLE AVE S	ENE 1/4 - 1/2 (0.479 mi.)	AG138	403
Database: LUST REG 4, Date of Government Version: 09/07/2004				

EXECUTIVE SUMMARY

Facility Id: R-12116
 Status: Pollution Characterization
 Global ID: T0603705100

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
S AND M SERVICE STAT Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/10/2018 Status: Completed - Case Closed Facility Id: 902480161 Status: Pollution Characterization Global Id: T0603701287 Global ID: T0603701287	16435 FIGUEROA ST S	W 1/8 - 1/4 (0.128 mi.)	J28	62
ROCKET #3 Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/10/2018 Status: Completed - Case Closed Facility Id: 902480143 Status: Case Closed Global Id: T0603701285 Global ID: T0603701285	16503 FIGUEROA ST S	W 1/8 - 1/4 (0.146 mi.)	J45	100
KORSON ENTERPRISES Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/10/2018 Status: Completed - Case Closed Facility Id: I-14226 Status: Case Closed Global Id: T0603704146 Global ID: T0603704146	307 168TH ST W	S 1/8 - 1/4 (0.172 mi.)	Q63	148
SMITH BROTHERS CRANE Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/10/2018 Status: Completed - Case Closed Facility Id: R-12936 Status: Case Closed Global Id: T0603705171 Global ID: T0603705171	411 168TH ST W	SSW 1/8 - 1/4 (0.181 mi.)	P71	160
JENNAT CORP Database: LUST, Date of Government Version: 12/10/2018 Status: Completed - Case Closed Global Id: T0603721529	137 W 168TH ST	SSE 1/8 - 1/4 (0.190 mi.)	R78	167
OTY INC Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/10/2018 Status: Completed - Case Closed Facility Id: R-11706 Status: Pollution Characterization Global Id: T0603705065 Global ID: T0603705065	16820 SOUTH FIGUEROA	SSW 1/4 - 1/2 (0.263 mi.)	102	221
BIG D AUTO WRECKING Database: LUST, Date of Government Version: 12/10/2018 Status: Completed - Case Closed	16815 MAIN ST. S.	SSE 1/4 - 1/2 (0.266 mi.)	Y104	232

EXECUTIVE SUMMARY

Global Id: T10000002849				
AMERIGAS PROPANE L.P	16800 S MAIN ST	SE 1/4 - 1/2 (0.272 mi.)	Y107	236
Database: LUST, Date of Government Version: 12/10/2018				
Status: Open - Eligible for Closure				
Global Id: T0603726807				
STEPSTONE INC	17025 S MAIN ST	SSE 1/4 - 1/2 (0.394 mi.)	AE128	326
Database: LUST REG 4, Date of Government Version: 09/07/2004				
Facility Id: R-26354				
Status: Leak being confirmed				
Global ID: T0603793020				
STEPSTONE, INC.	17025 MAIN ST S	SSE 1/4 - 1/2 (0.396 mi.)	AE129	336
Database: LUST, Date of Government Version: 12/10/2018				
Status: Completed - Case Closed				
Global Id: T0603793020				
IPS CORPORATION	17109 SOUTH MAIN STR	SSE 1/4 - 1/2 (0.423 mi.)	AF130	337
Database: LUST REG 4, Date of Government Version: 09/07/2004				
Facility Id: R-04776				
Status: Pollution Characterization				
Global ID: T0603704654				
CUNNINGHAM RODS	535/ 550 WEST 172ND	SSW 1/4 - 1/2 (0.492 mi.)	140	406
Database: LUST, Date of Government Version: 12/10/2018				
Status: Completed - Case Closed				
Global Id: T10000000595				

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 14 CPS-SLIC sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LOUIS F. DE MARTINI	509 ALONDRA	NW 1/8 - 1/4 (0.189 mi.)	N73	162
Database: SLIC REG 4, Date of Government Version: 11/17/2004				
Facility Status: No further action required				
CENTRE POINT PROPERT	17230/1725 SOUTH MAI	NE 1/4 - 1/2 (0.264 mi.)	T103	232
Database: CPS-SLIC, Date of Government Version: 12/10/2018				
Facility Status: Completed - Case Closed				
Global Id: SL204351553				
TRICO - INDUSTRIES	15707 MAIN ST S	NNE 1/4 - 1/2 (0.360 mi.)	122	316
Database: CPS-SLIC, Date of Government Version: 12/10/2018				
Facility Status: Completed - Case Closed				
Global Id: SLT43242240				
ADVANCED PACKAGING &	16131 SOUTH MAPLE AV	ENE 1/4 - 1/2 (0.479 mi.)	AG139	404
Database: SLIC REG 4, Date of Government Version: 11/17/2004				
Database: CPS-SLIC, Date of Government Version: 12/10/2018				
Facility Status: Open - Inactive				
Facility Status: Site Assessment				
Global Id: SLT4L7741869				
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ANCO METAL IMPROVEME	417 164TH	WNW 0 - 1/8 (0.020 mi.)	B5	21
Database: SLIC REG 4, Date of Government Version: 11/17/2004				

EXECUTIVE SUMMARY

Facility Status: Site Assessment				
VALENCE SURFACE TECH	417 164TH STREET	WNW 0 - 1/8 (0.020 mi.)	B7	22
Database: CPS-SLIC, Date of Government Version: 12/10/2018				
Facility Status: Open - Site Assessment				
Global Id: T10000008609				
COAST PLATING INC	417 AND 433 WEST 164	WNW 0 - 1/8 (0.069 mi.)	B12	30
Database: CPS-SLIC, Date of Government Version: 12/10/2018				
Facility Status: Open - Remediation				
Global Id: SL2041F1507				
GSP ACQUISITION CORP	16520 S FIGUEROA STR	WSW 1/8 - 1/4 (0.150 mi.)	M49	104
Database: CPS-SLIC, Date of Government Version: 12/10/2018				
Facility Status: Completed - Case Closed				
Global Id: T10000003409				
HOROWITZ PROPERTY	16539 MAIN ST S	ESE 1/8 - 1/4 (0.161 mi.)	O54	137
Database: CPS-SLIC, Date of Government Version: 12/10/2018				
Facility Status: Open - Site Assessment				
Global Id: T10000005859				
TRIMEN SALES INC	17021 S BROADWAY	S 1/4 - 1/2 (0.380 mi.)	AD124	320
Database: CPS-SLIC, Date of Government Version: 12/10/2018				
Facility Status: Completed - Case Closed				
Global Id: SL374432456				
TRIMEN OIL	17021 BROADWAY	S 1/4 - 1/2 (0.380 mi.)	AD125	321
Database: SLIC REG 4, Date of Government Version: 11/17/2004				
Facility Status: No further action required				
INDUSTRIAL POLYCHEMI	17109 SOUTH MAIN ST	SSE 1/4 - 1/2 (0.423 mi.)	AF133	384
Database: CPS-SLIC, Date of Government Version: 12/10/2018				
Facility Status: Open - Inactive				
Global Id: SL2042H1537				
INDUSTRIAL POLYCHEMI	17109 MAIN ST S	SSE 1/4 - 1/2 (0.423 mi.)	AF134	384
Database: CPS-SLIC, Date of Government Version: 12/10/2018				
Facility Status: Open - Site Assessment				
Global Id: T0603704654				
INDUSTRIAL POLYCHEMI	17109 MAIN	SSE 1/4 - 1/2 (0.423 mi.)	AF135	385
Database: SLIC REG 4, Date of Government Version: 11/17/2004				
Facility Status: Remediation				

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 6 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PACIFIC BELL CRSNCA0	100 W ALONDRA BLVD	NE 0 - 1/8 (0.098 mi.)	F19	49
Database: UST, Date of Government Version: 12/10/2018				
Facility Id: 20559				
HARBOR DISTRIBUTION	16407 S MAIN ST	E 1/8 - 1/4 (0.133 mi.)	L33	74
Database: UST, Date of Government Version: 12/10/2018				

EXECUTIVE SUMMARY

Facility Id: 21040
 I C COMPOUND CO 120 E 163RD ST ENE 1/8 - 1/4 (0.225 mi.) S89 196
 Database: UST, Date of Government Version: 12/10/2018
 Facility Id: LACoFA0000991

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
S & M SERVICE STATIO Database: UST, Date of Government Version: 12/10/2018 Facility Id: FA0006077	16435 S FIGUEROA ST	W 1/8 - 1/4 (0.141 mi.)	J41	93
ROCKET OIL #3 PAMELA Database: UST, Date of Government Version: 12/10/2018 Facility Id: 23896 Facility Id: FA0025974	16503 S FIGUEROA ST	WSW 1/8 - 1/4 (0.165 mi.)	J62	148
ANVIL IRON INC Database: UST, Date of Government Version: 12/10/2018 Facility Id: 5604	137 W 168TH ST	SSE 1/8 - 1/4 (0.190 mi.)	R76	165

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there are 3 AST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AT&T CALIFORNIA - A5 Database: AST, Date of Government Version: 07/06/2016	100 W ALONDRA BLVD	NE 0 - 1/8 (0.098 mi.)	F20	49

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HI TECH HEAT TREATIN Database: AST, Date of Government Version: 07/06/2016	331 W 168TH ST	S 1/8 - 1/4 (0.130 mi.)	K30	70
RJ'S DEMOLITION & DI Database: AST, Date of Government Version: 07/06/2016	355 W ALONDRA AVE	NNW 1/8 - 1/4 (0.141 mi.)	G38	89

State and tribal voluntary cleanup sites

VCP: 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.

A review of the VCP list, as provided by EDR, and dated 10/29/2018 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HOROWITZ PROPERTY, T Status: Active Facility Id: 60002527	16539 S. MAIN STREET	ESE 1/8 - 1/4 (0.191 mi.)	O82	173

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ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there is 1 WMUDS/SWAT site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EVANS, S.C.	433 WEST 164TH STREE	WNW 0 - 1/8 (0.042 mi.)	B9	26

SWRCY: A listing of recycling facilities in California.

A review of the SWRCY list, as provided by EDR, and dated 12/10/2018 has revealed that there are 2 SWRCY sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AMBIT PACIFIC RECYCL Cert Id: RC0050	16222 S FIGUEROA ST	WNW 0 - 1/8 (0.116 mi.)	26	60
SA RECYCLING Cert Id: RC142619.001	16815 S MAIN ST	SSE 1/4 - 1/2 (0.266 mi.)	Y105	234

Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there are 3 HIST Cal-Sites sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
J. L. MANTA MOEN FOAM COMPANY	133 WEST 155TH STREE 16627 AVALON BLVD	N 1/2 - 1 (0.524 mi.) E 1/2 - 1 (0.759 mi.)	AH141 AK152	407 483
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ALCO PACIFIC	16914 SOUTH BROADWAY	SSE 1/4 - 1/2 (0.281 mi.)	Z108	247

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no

EXECUTIVE SUMMARY

longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 20 SWEEPS UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ZURON INDUSTRIES INC Status: A Comp Number: 12943	321 W GARDENA BLVD	0 - 1/8 (0.000 mi.)	A2	10
KAISER FOUNDATION Status: A Tank Status: A Comp Number: 7633	310 W ALONDRA BLVD	N 0 - 1/8 (0.117 mi.)	I27	61
WESTPAC Status: A Comp Number: 13209	16120 S FIGUEROA ST	NW 1/8 - 1/4 (0.129 mi.)	H29	69
R & J PRINTING Comp Number: 2699	16124 S FIGUEROA ST	NW 1/8 - 1/4 (0.155 mi.)	N51	135
ARCO PRODUCTS #05090 Status: A Tank Status: A Comp Number: 12072	16101 S FIGUEROA ST	NW 1/8 - 1/4 (0.177 mi.)	N69	156
ZENEN GUTIERREZ Comp Number: 1619	16101 S FIGUEROA ST	NW 1/8 - 1/4 (0.177 mi.)	N70	158
IC COMPOUND Status: A Tank Status: A Comp Number: 4684	120 E 163RD	ENE 1/8 - 1/4 (0.225 mi.)	S90	197
I C COMPOUND CO Status: A Tank Status: A Comp Number: 11320	120 E 163RD ST	ENE 1/8 - 1/4 (0.225 mi.)	S91	198
CALI-BLOK DIV OF EIS Status: A Tank Status: A Comp Number: 14518	15930 S FIGUEROA ST	NNW 1/8 - 1/4 (0.231 mi.)	W96	205
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ERA PRODUCTS Status: A Comp Number: 14197	354 W GARDENA BLVD	WSW 0 - 1/8 (0.006 mi.)	3	10
PENHALL COMPANY Status: A Comp Number: 10918	16539 S BROADWAY	SSE 0 - 1/8 (0.093 mi.)	E17	47
S & M SERVICE STATIO Status: A Tank Status: A Comp Number: 241	16435 S FIGUEROA ST	W 1/8 - 1/4 (0.141 mi.)	J42	93
SMITH BROS CRANE REN	411 W 168TH ST	SSW 1/8 - 1/4 (0.165 mi.)	P56	139

EXECUTIVE SUMMARY

Status: A Tank Status: A Comp Number: 12936				
ROCKET OIL #3	16503 S FIGUEROA ST	WSW 1/8 - 1/4 (0.165 mi.)	J61	146
Status: A Tank Status: A Comp Number: 91				
MARSMAN LIU	339 W 168TH ST	S 1/8 - 1/4 (0.175 mi.)	K64	150
Status: A Comp Number: 13020				
NA COM/MARTIN KORSON	307 W 168TH ST	S 1/8 - 1/4 (0.177 mi.)	Q65	151
Comp Number: 14226				
ELLIS & VANS' FOUNDR	358 W 168TH ST	SSW 1/8 - 1/4 (0.189 mi.)	P74	162
Status: A Tank Status: A Comp Number: 5776				
ANVIL IRON INC	137 W 168TH ST	SSE 1/8 - 1/4 (0.190 mi.)	R79	169
Status: A Tank Status: A Comp Number: 5604				
GRAPHIC PRINTS INC	16540 S MAIN ST	ESE 1/8 - 1/4 (0.216 mi.)	86	182
Status: A Tank Status: A Comp Number: 3277				
THE CORNER COIN CAR	16717 S FIGUEROA ST	SW 1/8 - 1/4 (0.227 mi.)	V93	202
Comp Number: 5468				

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 22 HIST UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CUSTOM RESEARCH/SIMP Facility Id: 00000055928	422-32-42 W. ALONDRA	NW 0 - 1/8 (0.109 mi.)	H24	59
CUSTOM RESEARCH/SIMP R & J PRINTING	422-32-42 W ALONORA 16124 S FIGUEROA ST	NW 0 - 1/8 (0.109 mi.) NW 1/8 - 1/4 (0.155 mi.)	H25 N51	60 135
R.&J. PRINTING Facility Id: 00000050506	16124 S FIGUEROA ST	NW 1/8 - 1/4 (0.155 mi.)	N52	136
ZENEN GUTIERREZ Facility Id: 00000026782	16101 S FIGUEROA ST	NW 1/8 - 1/4 (0.177 mi.)	N67	153
HAROLD LUDWIG CO Facility Id: 00000017146	122 E 163RD ST	ENE 1/8 - 1/4 (0.230 mi.)	S95	204
CALI-BLOK DIV OF EIS Facility Id: 00000066644	15930 S FIGUEROA ST	NNW 1/8 - 1/4 (0.231 mi.)	W96	205
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PENHALL COMPANY	16539 S BROADWAY	SSE 0 - 1/8 (0.083 mi.)	E15	44

EXECUTIVE SUMMARY

Facility Id: 00000041219					
RJS CHIPPING GRINDIN	355 W ALONDRA BLVD	NNW 1/8 - 1/4 (0.141 mi.)	G37	81	
Facility Id: 00000041462					
C+S SHELL SERVICE	16435 S FIGUEROA ST	W 1/8 - 1/4 (0.141 mi.)	J39	90	
Facility Id: 00000003675					
UNION OIL SERVICE ST	305 W ALONDRA BLVD	N 1/8 - 1/4 (0.149 mi.)	I46	102	
Facility Id: 00000055306					
SERVICE STATION 4952	305 W ALONDRA	N 1/8 - 1/4 (0.149 mi.)	I47	103	
Facility Id: 00000017440					
UNION OIL SERVICE ST	305 WEST ALONDRA	N 1/8 - 1/4 (0.149 mi.)	I48	104	
TAYLOR BUS SERVICE	411 WEST 168TH STREE	SSW 1/8 - 1/4 (0.165 mi.)	P57	142	
TAYLOR BUS SVC	411 W 168TH ST	SSW 1/8 - 1/4 (0.165 mi.)	P58	142	
Facility Id: 00000068541					
DONS TEXACO	16503 S FIGUEROA	WSW 1/8 - 1/4 (0.165 mi.)	J59	145	
Facility Id: 00000002995					
ELLIS & VANS' FOUNDR	358 W 168TH ST	SSW 1/8 - 1/4 (0.189 mi.)	P74	162	
Facility Id: 00000003148					
HANSEN'S WELDING INC	358 WEST 168TH STREE	SSW 1/8 - 1/4 (0.189 mi.)	P75	164	
ANVIL IRON INC	137 W 168TH ST	SSE 1/8 - 1/4 (0.190 mi.)	R76	165	
Facility Id: 00000050979					
AMERICAN CONTRACTING	137 WEST 168TH ST	SSE 1/8 - 1/4 (0.190 mi.)	R77	166	
ANVIL IRON, INC	137 W 168TH ST	SSE 1/8 - 1/4 (0.190 mi.)	R80	171	
Facility Id: 00000008040					
ANVIL IRON INC	137 WEST 168TH STREE	SSE 1/8 - 1/4 (0.190 mi.)	R81	172	

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 9 CA FID UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
R & J PRINTING	16124 S FIGUEROA ST	NW 1/8 - 1/4 (0.155 mi.)	N51	135
Facility Id: 19047450 Status: A				
ZENEN GUTIERREZ	16101 S FIGUEROA ST	NW 1/8 - 1/4 (0.177 mi.)	N70	158
Facility Id: 19001534 Status: I				
IC COMPOUND	120 E 163RD	ENE 1/8 - 1/4 (0.209 mi.)	S84	179
Facility Id: 19053097 Status: A				
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PENHALL COMPANY	16539 S BROADWAY	SSE 0 - 1/8 (0.093 mi.)	E17	47
Facility Id: 19054913 Status: A				
S & M SERVICE STATIO	16435 S FIGUEROA ST	W 1/8 - 1/4 (0.141 mi.)	J42	93

EXECUTIVE SUMMARY

Facility Id: 19008187
Status: A

SMITH BROS CRANE REN	411 W 168TH ST	SSW 1/8 - 1/4 (0.165 mi.)	P56	139
Facility Id: 19002642 Status: A				
ROCKET OIL #3	16503 S FIGUEROA ST	WSW 1/8 - 1/4 (0.165 mi.)	J61	146
Facility Id: 19055277 Status: A				
ANVIL IRON INC	137 W 168TH ST	SSE 1/8 - 1/4 (0.190 mi.)	R79	169
Facility Id: 19004804 Status: A				
THE CORNER COIN CAR	16717 S FIGUEROA ST	SW 1/8 - 1/4 (0.227 mi.)	V93	202
Facility Id: 19018143 Status: I				

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/01/2018 has revealed that there are 3 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PACIFIC SINTERED-NET EPA ID:: CAD990667628	16100 S FIGUEROA ST	NW 1/8 - 1/4 (0.143 mi.)	H43	95
WINDY CORP EPA ID:: CAD050815935	106 W GARDENA BLVD	E 1/8 - 1/4 (0.162 mi.)	L55	138
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LANCE MFG CO INC EPA ID:: CAD983653601	16801 S BROADWAY	S 1/8 - 1/4 (0.191 mi.)	Q83	176

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 09/24/2018 has revealed that there are 2 Cortese sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ALCO PACIFIC Envirostor Id: 19340753 Cleanup Status: CERTIFIED / OPERATION & MAINTENANCE	16914 SOUTH BROADWAY	SSE 1/4 - 1/2 (0.281 mi.)	Z108	247
INDUSTRIAL POLYCHEMI	17109 SOUTH MAIN STR	SSE 1/4 - 1/2 (0.423 mi.)	AF132	383

EXECUTIVE SUMMARY

Envirostor Id: 60001937
Cleanup Status: ACTIVE

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSTATES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 20 HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ARCO #5090 Reg Id: R-12072	16101 FIGUEROA ST	NW 1/8 - 1/4 (0.177 mi.)	N66	152
AMERICAN HONDA MOTOR Reg Id: I-05543	100 ALONDRA BLVD W	NE 1/8 - 1/4 (0.214 mi.)	T85	180
BARON-BLAKESLEE INC. Reg Id: R-04043	525 ALONDRA	NW 1/8 - 1/4 (0.220 mi.)	U87	195
AIRCRAFT HYDROFORMIN Reg Id: 000276	131 GARDENA BLVD E	ENE 1/8 - 1/4 (0.230 mi.)	S94	203
UNITED BEARING COMPA Reg Id: R-10370	15916 SOUTH FIGUEROA	NNW 1/4 - 1/2 (0.256 mi.)	X100	212
SUPERIOR ENGINEERED Reg Id: I-06113	406 ALONDRA BLVD	NE 1/4 - 1/2 (0.260 mi.)	101	218
AB PLASTICS Reg Id: I-10698	15730 FIGUEROA	NNW 1/4 - 1/2 (0.301 mi.)	X114	300
RELIANCE UPHOLSTERY Reg Id: I-00082	15902 MAIN	NNE 1/4 - 1/2 (0.308 mi.)	AA116	302
TRICO - INDUSTRIES Reg Id: R-20820	15707 MAIN ST S	NNE 1/4 - 1/2 (0.360 mi.)	122	316
SAFETY KLEEN CORP 7 Reg Id: 902480043	139 E 175TH ST	NNE 1/4 - 1/2 (0.457 mi.)	136	385
ADVANCED PACKAGING & Reg Id: R-12116	16131 SOUTH MAPLE AV	ENE 1/4 - 1/2 (0.479 mi.)	AG139	404
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ANCO METAL IMPROVEME Reg Id: 3205	417 164TH	WNW 0 - 1/8 (0.020 mi.)	B5	21
SM SERVICE STATION Reg Id: 902480161	16435 SOUTH FIGUEROA	W 1/8 - 1/4 (0.141 mi.)	J40	91
ROCKET #3 Reg Id: 902480143	16503 FIGUEROA	WSW 1/8 - 1/4 (0.165 mi.)	J60	146
KORSON ENTERPRISES Reg Id: I-14226	307 168TH ST W	S 1/8 - 1/4 (0.172 mi.)	Q63	148
SMITH BROTHERS CRANE Reg Id: R-12936	411 168TH	SSW 1/8 - 1/4 (0.181 mi.)	P72	162
OTY INC	16820 SOUTH FIGUEROA	SSW 1/4 - 1/2 (0.263 mi.)	102	221

EXECUTIVE SUMMARY

Reg Id: R-11706				
ALCO PACIFIC	16914 BROADWAY	SSE 1/4 - 1/2 (0.281 mi.)	Z110	288
Reg Id: 19340753				
ELIXIR INDUSTRIES	15722 BROADWAY	N 1/4 - 1/2 (0.329 mi.)	AB119	306
Reg Id: R-00709				
IPS CORPORATION	17109 SOUTH MAIN STR	SSE 1/4 - 1/2 (0.423 mi.)	AF130	337
Reg Id: R-04776				

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 11/19/2018 has revealed that there are 5 HWP sites within approximately 1 mile of the target property.

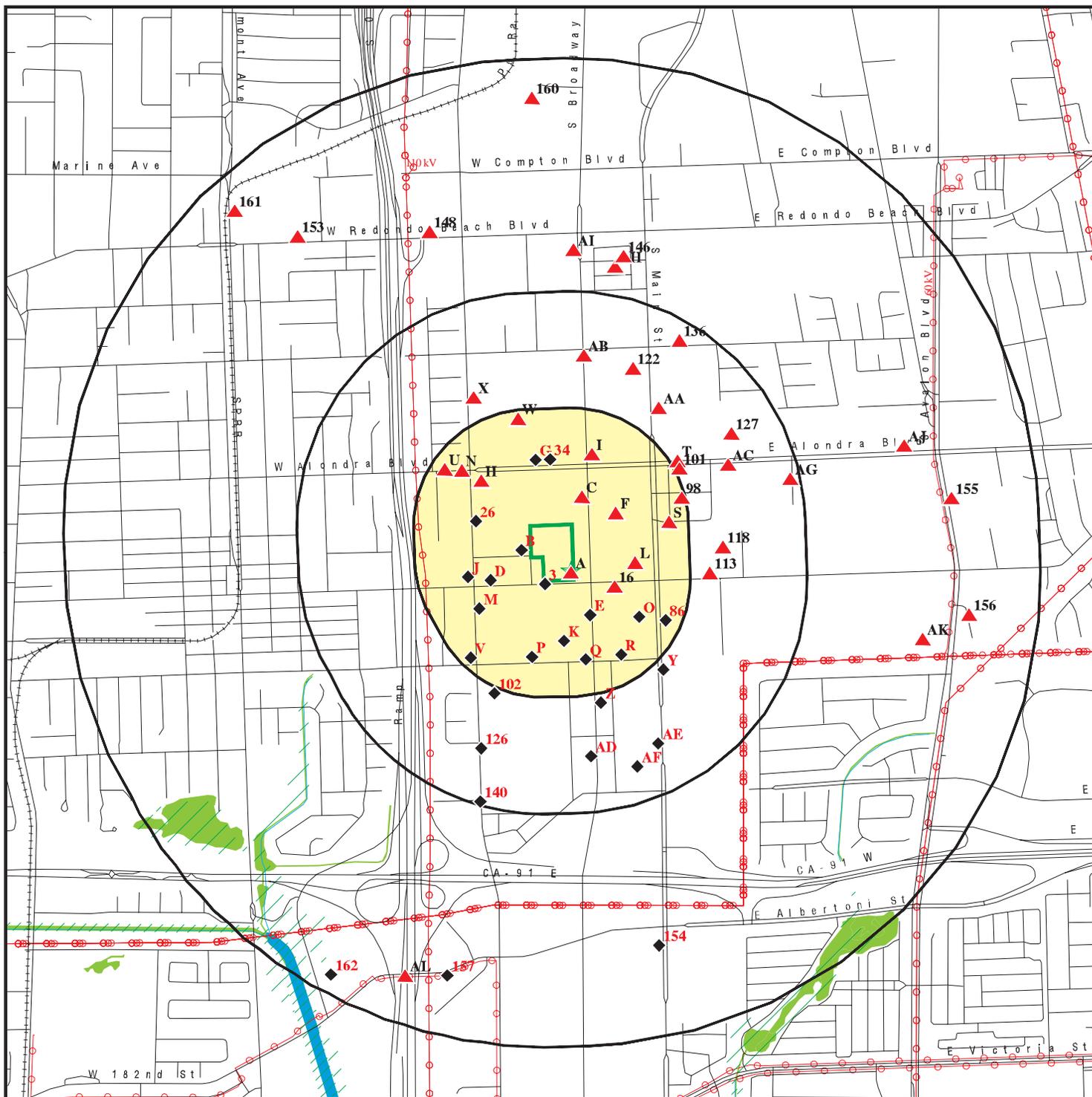
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SAFETY KLEEN CORP 7 EPA Id: CAT000613919 Cleanup Status: CLOSED	139 E 175TH ST	NNE 1/4 - 1/2 (0.457 mi.)	136	385
TP INDUSTRIAL INC EPA Id: CAD097465132 Cleanup Status: POST CLOSURE PERMIT	525 E. ALONDRA BLVD	ENE 1/2 - 1 (0.732 mi.)	AJ150	440
SAFETY KLEEN OF CALI EPA Id: CAD981696420 Cleanup Status: OPERATING PERMIT	16604 SAN PEDRO ST	E 1/2 - 1 (0.851 mi.)	156	544
EMERSON AND CUMING EPA Id: CAD095627741 Cleanup Status: CLOSED	604 WEST 182ND STREE	SSW 1/2 - 1 (0.897 mi.)	AL158	561
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ALCO PACIFIC INC EPA Id: CAD008387250 Cleanup Status: UNDERGOING CLOSURE	16914 S BROADWAY	SSE 1/4 - 1/2 (0.281 mi.)	Z112	295

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 8 records.

<u>Site Name</u>	<u>Database(s)</u>
S. C. EVANS	SWF/LF
SOUTHWEST STEEL ROLLING MILLS	SWF/LF
BROADWAY - MAIN LANDFILL	SWF/LF
KATZ DUMP	SWF/LF
MARTIN HALLEMAN	SWF/LF
BROWN DUMP	SWF/LF
ROSE WILLIAMS LANDFILL	SWF/LF
MCMILLEN OIL FIELD	CPS-SLIC

OVERVIEW MAP - 5563391.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern

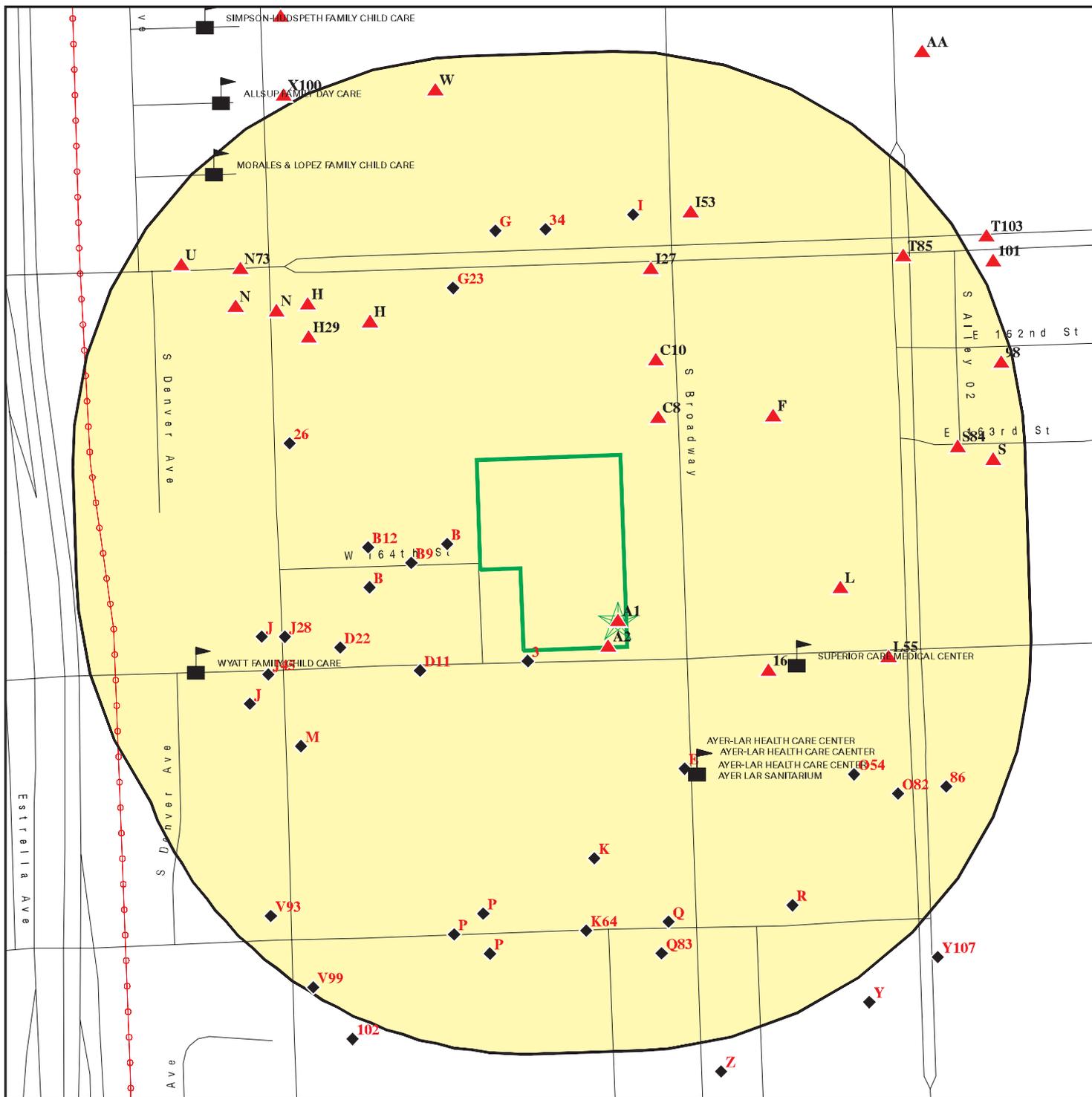


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 333 West Gardena
 ADDRESS: 333 West Gardena
 Gardena CA 90248
 LAT/LONG: 33.882285 / 118.278979

CLIENT: Stantec
 CONTACT: Alicia Jansen
 INQUIRY #: 5563391.2s
 DATE: February 14, 2019 5:06 pm

DETAIL MAP - 5563391.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  Power transmission lines
-  100-year flood zone
-  500-year flood zone
-  Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 333 West Gardena
 ADDRESS: 333 West Gardena
 Gardena CA 90248
 LAT/LONG: 33.882285 / 118.278979

CLIENT: Stantec
 CONTACT: Alicia Jansen
 INQUIRY #: 5563391.2s
 DATE: February 14, 2019 5:12 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	1	NR	NR	1
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	5	NR	NR	5
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	2	2	NR	4
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	1	NR	NR	1
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		1	3	NR	NR	NR	4
RCRA-SQG	0.250		8	7	NR	NR	NR	15
RCRA-CESQG	0.250		0	1	NR	NR	NR	1
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL RESPONSE</i>								
RESPONSE	1.000		0	0	2	2	NR	4
<i>State- and tribal - equivalent CERCLIS ENVIROSTOR</i>								
ENVIROSTOR	1.000		2	3	8	19	NR	32
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	3	0	NR	NR	3
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		1	11	16	NR	NR	28

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		3	3	8	NR	NR	14
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		1	5	NR	NR	NR	6
AST	0.250		1	2	NR	NR	NR	3
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	1	0	NR	NR	1
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		1	0	0	NR	NR	1
SWRCY	0.500		1	0	1	NR	NR	2
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
AOCONCERN	1.000		0	0	0	0	NR	0
HIST Cal-Sites	1.000		0	0	1	2	NR	3
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250		0	0	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		4	16	NR	NR	NR	20
HIST UST	0.250		3	19	NR	NR	NR	22
CERS TANKS	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250		1	8	NR	NR	NR	9
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	3	NR	NR	NR	3
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	2	NR	NR	2
CUPA Listings	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
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NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1
Target
Property

MIKE CAIN
333 W GARDENA BLVD
CARSON, CA 90248

HAZNET **S118919191**
N/A

Site 1 of 2 in cluster A

Actual:
43 ft.

HAZNET:

envid: S118919191
Year: 2015
GEPaid: CAC002815298
Contact: MIKE CAIN
Telephone: 3103084846
Mailing Name: Not reported
Mailing Address: 17833 EVELYN AVE
Mailing City,St,Zip: GARDENA, CA 90248
Gen County: Los Angeles
TSD EPA ID: CAD044429835
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.668
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S118919191
Year: 2015
GEPaid: CAC002815298
Contact: MIKE CAIN
Telephone: 3103084846
Mailing Name: Not reported
Mailing Address: 17833 EVELYN AVE
Mailing City,St,Zip: GARDENA, CA 90248
Gen County: Los Angeles
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 5.2125
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S118919191
Year: 2015
GEPaid: CAC002815298
Contact: MIKE CAIN
Telephone: 3103084846
Mailing Name: Not reported
Mailing Address: 17833 EVELYN AVE
Mailing City,St,Zip: GARDENA, CA 90248
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Waste oil and mixed oil
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MIKE CAIN (Continued)

S118919191

Tons: 5.32
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

A2
< 1/8
1 ft.

ZURON INDUSTRIES INC
321 W GARDENA BLVD
GARDENA, CA 90247

SWEEPS UST **S102056086**
LOS ANGELES CO. HMS **N/A**

Site 2 of 2 in cluster A

Relative:
Higher
Actual:
43 ft.

SWEEPS UST:
Status: Active
Comp Number: 12943
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:
Region: LA
Permit Category: Not reported
Facility Id: 012750-012943
Facility Type: Not reported
Facility Status: Removed
Area: 22
Permit Number: Not reported
Permit Status: Not reported

3
WSW
< 1/8
0.006 mi.
34 ft.

ERA PRODUCTS
354 W GARDENA BLVD
CARSON, CA 90247

SWEEPS UST **S102056161**
LOS ANGELES CO. HMS **N/A**

Relative:
Lower
Actual:
42 ft.

SWEEPS UST:
Status: Active
Comp Number: 14197
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ERA PRODUCTS (Continued)

S102056161

Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:

Region: LA
Permit Category: Not reported
Facility Id: 013769-014197
Facility Type: Not reported
Facility Status: Removed
Area: 22
Permit Number: Not reported
Permit Status: Not reported

B4
WNW
< 1/8
0.020 mi.
106 ft.

COAST PLATING, INC.
417 WEST 164TH STREET
GARDENA, CA 90248

RCRA-LQG 1000326213
CAD009645268

Site 1 of 8 in cluster B

Relative:
Lower

RCRA-LQG:

Actual:
42 ft.

Date form received by agency: 02/24/2016
Facility name: COAST PLATING, INC.
Facility address: 417 WEST 164TH STREET
GARDENA, CA 90248
EPA ID: CAD009645268
Mailing address: WEST 164TH STREET
GARDENA, CA 90248
Contact: JOHN MERRIT
Contact address: WEST 164TH STREET
GARDENA, CA 90248
Contact country: US
Contact telephone: 323-770-0240
Contact email: JOHN.MERRITT@VALENCEST.COM
EPA Region: 09
Land type: Private
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: COAST PLATING
Owner/operator address: Not reported
Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COAST PLATING, INC. (Continued)

1000326213

Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 11/10/1996
Owner/Op end date: Not reported

Owner/operator name: COAST PLATING, INC
Owner/operator address: WEST 164TH STREET
GARDENA, CA 90248

Owner/operator country: US
Owner/operator telephone: 323-770-0240
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 11/10/1996
Owner/Op end date: Not reported

Owner/operator name: COAST PLATING, INC
Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 11/10/1996
Owner/Op end date: Not reported

Owner/operator name: COAST PLATING INC
Owner/operator address: Not reported
Not reported

Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 11/10/1996
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COAST PLATING, INC. (Continued)

1000326213

Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 123
. Waste name: Unspecified alkaline solution

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D007
. Waste name: CHROMIUM

Historical Generators:

Date form received by agency: 03/01/2014
Site name: COAST PLATING INC

Map ID
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Elevation

MAP FINDINGS

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COAST PLATING, INC. (Continued)

1000326213

Classification: Large Quantity Generator

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Date form received by agency: 03/09/2012
Site name: COAST PLATING, INC.
Classification: Large Quantity Generator

. Waste code: 123
. Waste name: Unspecified alkaline solution

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A

Map ID
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COAST PLATING, INC. (Continued)

1000326213

CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Date form received by agency: 06/01/2010
Site name: COAST PLATING, INC.
Classification: Large Quantity Generator

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS

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MAP FINDINGS

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COAST PLATING, INC. (Continued)

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USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D007
. Waste name: CHROMIUM

Date form received by agency: 02/26/2008
Site name: COAST PLATING, INC.
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

Date form received by agency: 02/22/2006
Site name: COAST PLATING INC
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
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COAST PLATING, INC. (Continued)

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. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Date form received by agency: 02/22/2006
Site name: COAST PLATING INC
Classification: Small Quantity Generator

Date form received by agency: 02/15/2002
Site name: COAST PLATING CARSON
Classification: Large Quantity Generator

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: F006

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Direction
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Elevation

MAP FINDINGS

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Database(s)

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EPA ID Number

COAST PLATING, INC. (Continued)

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. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Date form received by agency: 10/12/2000
Site name: COAST PLATING CARSON
Classification: Large Quantity Generator

Date form received by agency: 12/09/1997
Site name: COAST PLATING INC
Classification: Large Quantity Generator

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Date form received by agency: 09/01/1996
Site name: COAST PLATING INC
Classification: Large Quantity Generator

Date form received by agency: 03/29/1990
Site name: ANCO METAL IMPROVEMENT CO. INC
Classification: Large Quantity Generator

Date form received by agency: 10/06/1980
Site name: COAST PLATING INC
Classification: Large Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE

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MAP FINDINGS

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COAST PLATING, INC. (Continued)

1000326213

FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Amount (Lbs): 26505

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Amount (Lbs): 11173

Waste code: D007

Waste name: CHROMIUM

Amount (Lbs): 212532

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 11/29/2017
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/29/2017
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 11/29/2017
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported

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EDR ID Number
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COAST PLATING, INC. (Continued)

1000326213

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 04/04/2008
Date achieved compliance: 01/30/2009
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: 09/29/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 04/04/2008
Date achieved compliance: 01/30/2009
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: 09/29/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 11/29/2017
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/29/2017
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/29/2017
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/05/2014
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

COAST PLATING, INC. (Continued)

1000326213

Date achieved compliance: Not reported
 Evaluation lead agency: State

Evaluation date: 04/04/2008
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Generators - General
 Date achieved compliance: 01/30/2009
 Evaluation lead agency: EPA

Evaluation date: 04/04/2008
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Generators - Pre-transport
 Date achieved compliance: 01/30/2009
 Evaluation lead agency: EPA

**B5
 WNW
 < 1/8
 0.020 mi.
 106 ft.**

**ANCO METAL IMPROVEMENTS CO. (FORMER)
 417 164TH
 GARDENA, CA 90248
 Site 2 of 8 in cluster B**

**CPS-SLIC S105023894
 HIST CORTESE N/A**

Relative: SLIC REG 4:
Lower Region: 4
Actual: Facility Status: Site Assessment
42 ft. SLIC: 0714
 Substance: VOCs
 Staff: TTW

HIST CORTESE:
 Region: CORTESE
 Facility County Code: 19
 Reg By: LTNKA
 Reg Id: 3205

**B6
 WNW
 < 1/8
 0.020 mi.
 106 ft.**

**COAST PLATING, INC.
 417 W. 164TH STREET
 GARDENA, CA 90248
 Site 3 of 8 in cluster B**

**ENVIROSTOR S104573848
 N/A**

Relative: ENVIROSTOR:
Lower Facility ID: 71002311
Actual: Status: Refer: Other Agency
42 ft. Status Date: Not reported
 Site Code: Not reported
 Site Type: Tiered Permit
 Site Type Detailed: Tiered Permit
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: NONE SPECIFIED
 Program Manager: Not reported
 Supervisor: Not reported
 Division Branch: Cleanup Chatsworth
 Assembly: 64
 Senate: 35
 Special Program: Not reported

Map ID
 Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

COAST PLATING, INC. (Continued)

S104573848

Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: Not reported
 Latitude: 33.88327
 Longitude: -118.2808
 APN: NONE SPECIFIED
 Past Use: NONE SPECIFIED
 Potential COC: NONE SPECIFIED
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: CAD009645268
 Alias Type: EPA Identification Number
 Alias Name: 71002311
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Phase I Verification
 Completed Date: 12/10/2003
 Comments: Site referred to local CUPA

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

B7
WNW
 < 1/8
 0.020 mi.
 106 ft.

VALENCE SURFACE TECHNOLOGIES
417 164TH STREET
CARSON, CA 90248
 Site 4 of 8 in cluster B

CPS-SLIC S118504820
 N/A

Relative:
Lower

CPS-SLIC:
 Region: STATE
Facility Status: Open - Site Assessment

Actual:
 42 ft.

Status Date: 03/08/2016
 Global Id: T10000008609
 Lead Agency: LOS ANGELES RWQCB (REGION 4)
 Lead Agency Case Number: Not reported
 Latitude: 33.88317
 Longitude: -118.28093
 Case Type: Cleanup Program Site
 Case Worker: GAC
 Local Agency: Not reported
 RB Case Number: 1367
 File Location: Regional Board
 Potential Media Affected: Aquifer used for drinking water supply
 Potential Contaminants of Concern: Chromium, Chromium VI
 Site History: The former ANCO facility was constructed in 1967 and performed anodizing, plating, and painting metal parts for the aircraft and aerospace industry (Figure 2 Site Plot Plan). A small vapor degreaser utilizing the chemical compound tetrachloroethene (PCE) was operated

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 Elevation

MAP FINDINGS

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VALENCE SURFACE TECHNOLOGIES (Continued)

S118504820

at the facility. The facility was operated by ANCO Metal Improvement Company from 1967 through 1994. Operations ceased at the site in 1994 and were not restarted until 1996, when Coast Plating began anodizing operations at the site. Coast Plating, LLC currently owns the site, Leymaster Environmental (Leymaster) is currently performing groundwater remediation activities at the site on behalf of ANCO Metal Improvement Company (ANCO). Valence is the current operator of the facility. Elevated levels of total chromium have been detected in groundwater extraction well GE-1 associated with ongoing groundwater extraction and remediation activities being performed by Leymaster. GE-1 is located adjacent to Valences chrome anodizing process and secondary containment area. Leymaster pumps water from GE-1 and other wells in the system to a wastewater treatment system that subsequently discharges to the sanitary sewer. To date, total chromium levels in the effluent from the groundwater treatment system have been below discharge limits for the Industrial Wastewater permit held by ANCO; however, total chromium results in the effluent from GE-1 have exceeded the California Maximum Contaminant Level (MCL) for total chromium of 0.05 milligrams per liter (mg/L). Chromium levels have been steadily decreasing since the maximum concentration was measured on October 6,2015, which suggests a single release event.

[Click here to access the California GeoTracker records for this facility:](#)

C8
North
< 1/8
0.033 mi.
176 ft.

VISION INC
16205 S BROADWAY
GARDENA, CA 90248

Site 1 of 2 in cluster C

RCRA-SQG 1000857824
FINDS CAD983672726
ECHO
HAZNET

Relative:
Higher

RCRA-SQG:

Actual:
44 ft.

Date form received by agency: 08/11/1993
 Facility name: VISION INC
 Facility address: 16205 S BROADWAY
 GARDENA, CA 90248
 EPA ID: CAD983672726
 Mailing address: P O BOX 743
 EL SEGUNDO, CA 90248
 Contact: JOE HERNANDEZ
 Contact address: 16205 S BROADWAY
 CARSON, CA 90248
 Contact country: US
 Contact telephone: 310-324-7062
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: VISION INC
 Owner/operator address: 16205 S BROADWAY
 CARSON, CA 90248
 Owner/operator country: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISION INC (Continued)

1000857824

Owner/operator telephone: 310-324-7062
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110008285364

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000857824
Registry ID: 110008285364
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110008285364>

HAZNET:

envid: 1000857824
Year: 1998
GEPaid: CAD983672726
Contact: VISION INC
Telephone: 3103247062
Mailing Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISION INC (Continued)

1000857824

Mailing Address: 13707 S FIGUEROA ST
Mailing City,St,Zip: LOS ANGELES, CA 900610000
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Transfer Station
Tons: .2502
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000857824
Year: 1998
GEPaid: CAD983672726
Contact: VISION INC
Telephone: 3103247062
Mailing Name: Not reported
Mailing Address: 13707 S FIGUEROA ST
Mailing City,St,Zip: LOS ANGELES, CA 900610000
Gen County: Not reported
TSD EPA ID: CAD093459485
TSD County: Not reported
Waste Category: Organic liquids with metals (Alkaline solution (pH >= 12.5) with metals)
Disposal Method: Transfer Station
Tons: .6461
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000857824
Year: 1998
GEPaid: CAD983672726
Contact: VISION INC
Telephone: 3103247062
Mailing Name: Not reported
Mailing Address: 13707 S FIGUEROA ST
Mailing City,St,Zip: LOS ANGELES, CA 900610000
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: .6754
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000857824
Year: 1997
GEPaid: CAD983672726
Contact: VISION INC
Telephone: 3103247062
Mailing Name: Not reported
Mailing Address: 13707 S FIGUEROA ST
Mailing City,St,Zip: LOS ANGELES, CA 900610000

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

VISION INC (Continued)

1000857824

Gen County: Not reported
 TSD EPA ID: CAD093459485
 TSD County: Not reported
 Waste Category: Organic liquids with metals (Alkaline solution (pH >= 12.5) with metals)
 Disposal Method: Transfer Station
 Tons: .1417
 Cat Decode: Not reported
 Method Decode: Not reported
 Facility County: Los Angeles

envid: 1000857824
 Year: 1997
 GEPAID: CAD983672726
 Contact: VISION INC
 Telephone: 3103247062
 Mailing Name: Not reported
 Mailing Address: 13707 S FIGUEROA ST
 Mailing City,St,Zip: LOS ANGELES, CA 900610000
 Gen County: Not reported
 TSD EPA ID: CAT000613976
 TSD County: Not reported
 Waste Category: Photochemicals/photoprocessing waste
 Disposal Method: Transfer Station
 Tons: .6255
 Cat Decode: Not reported
 Method Decode: Not reported
 Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
 6 additional CA_HAZNET: record(s) in the EDR Site Report.

B9
WNW
< 1/8
0.042 mi.
224 ft.

EVANS, S.C.
433 WEST 164TH STREET
LOS ANGELES, CA
Site 5 of 8 in cluster B

WMUDS/SWAT S103441456
N/A

Relative:
Lower
Actual:
41 ft.

WMUDS/SWAT:
 Edit Date: Not reported
 Complexity: Not reported
 Primary Waste: Not reported
 Primary Waste Type: Not reported
 Secondary Waste: Not reported
 Secondary Waste Type: Not reported
 Base Meridian: Not reported
 NPID: Not reported
 Tonnage: 0
 Regional Board ID: Not reported
 Municipal Solid Waste: False
 Superorder: False
 Open To Public: False
 Waste List: False
 Agency Type: Not reported
 Agency Name: S.C. EVANS
 Agency Department: Not reported
 Agency Address: Not reported
 Agency City,St,Zip: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

EVANS, S.C. (Continued)

S103441456

Agency Contact: Not reported
 Agency Telephone: Not reported
 Land Owner Name: Not reported
 Land Owner Address: Not reported
 Land Owner City,St,Zip: CA
 Land Owner Contact: Not reported
 Land Owner Phone: Not reported
 Region: 4
 Facility Type: Not reported
 Facility Description: Not reported
 Facility Telephone: Not reported
 SWAT Facility Name: Not reported
 Primary SIC: Not reported
 Secondary SIC: Not reported
 Comments: Not reported
 Last Facility Editors: Not reported
 Waste Discharge System: False
 Solid Waste Assessment Test Program: True
 Toxic Pits Cleanup Act Program: False
 Resource Conservation Recovery Act: False
 Department of Defence: False
 Solid Waste Assessment Test Program: S.C. EVANS
 Threat to Water Quality: Not reported
 Sub Chapter 15: False
 Regional Board Project Officer: LT
 Number of WMUDS at Facility: 1
 Section Range: Not reported
 RCRA Facility: Not reported
 Waste Discharge Requirements: Not reported
 Self-Monitoring Rept. Frequency: Not reported
 Waste Discharge System ID: 4 190205NUR
 Solid Waste Information ID: Not reported

C10
North
< 1/8
0.063 mi.
334 ft.

ADVANCE GEAR & MACHINE CORP
16201 SO. BORADWAY
GARDENA, CA 90248
Site 2 of 2 in cluster C

RCRA-SQG 1000151417
FINDS CAD981652944
ECHO

Relative:
Higher
Actual:
44 ft.

RCRA-SQG:
 Date form received by agency: 09/11/1986
 Facility name: ADVANCE GEAR & MACHINE CORP
 Facility address: 16201 SO. BORADWAY
 GARDENA, CA 90248
 EPA ID: CAD981652944
 Mailing address: 16201 SO. BROADWAY
 GARDENA, CA 90248
 Contact: ENVIRONMENTAL MANAGER
 Contact address: 16201 SO. BORADWAY
 GARDENA, CA 90248
 Contact country: US
 Contact telephone: 213-770-1951
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ADVANCE GEAR & MACHINE CORP (Continued)

1000151417

waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: CHARLES BRENEMAN
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002738397

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ADVANCE GEAR & MACHINE CORP (Continued)

1000151417

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000151417
Registry ID: 110002738397
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002738397>

D11
WSW
< 1/8
0.065 mi.
345 ft.

SECCA CORPORATION
400 W GARDENA BLVD
GARDENA, CA 90248

RCRA-SQG 1000818911
FINDS CAD983648460
ECHO

Site 1 of 2 in cluster D

Relative:
Lower

RCRA-SQG:

Date form received by agency: 09/21/1992
Facility name: SECCA CORP
Facility address: 400 W GARDENA BLVD
GARDENA, CA 90248
EPA ID: CAD983648460
Mailing address: W GARDENA BLVD
GARDENA, CA 90248
Contact: RONALD PILLING
Contact address: 400 W GARDENA BLVD
GARDENA, CA 90248
Contact country: US
Contact telephone: 310-217-2300
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Actual:
41 ft.

Owner/Operator Summary:

Owner/operator name: MARLENE ALTER
Owner/operator address: 1130 BENEDICT CANYON DR
BEVERLY HILLS, CA 90210
Owner/operator country: Not reported
Owner/operator telephone: 310-550-6303
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SECCA CORPORATION (Continued)

1000818911

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002884709

Environmental Interest/Information System

AIR EMISSIONS CLASSIFICATION UNKNOWN

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000818911
 Registry ID: 110002884709
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002884709>

B12
WNW
< 1/8
0.069 mi.
364 ft.

COAST PLATING INC
417 AND 433 WEST 164TH STREET
CARSON, CA 90248
Site 6 of 8 in cluster B

CPS-SLIC **S117041276**
NPDES **N/A**
CIWQS

Relative:
Lower
Actual:
40 ft.

CPS-SLIC:
 Region: STATE
Facility Status: **Open - Remediation**
 Status Date: 08/30/2016
 Global Id: SL2041F1507
 Lead Agency: LOS ANGELES RWQCB (REGION 4)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COAST PLATING INC (Continued)

S117041276

Lead Agency Case Number: Not reported
Latitude: 33.8834560925743
Longitude: -118.280825614929
Case Type: Cleanup Program Site
Case Worker: GAC
Local Agency: Not reported
RB Case Number: 0714
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media Affected: Aquifer used for drinking water supply, Soil Vapor
Potential Contaminants of Concern: Tetrachloroethylene (PCE), Trichloroethylene (TCE), Chromium
Site History: The former ANCO Metal Improvement Company (ANCO) facility was constructed in 1967 and performed anodizing, plating, and painting metal parts for the aircraft and aerospace industry. A small vapor degreaser utilizing the chemical compound tetrachloroethene (PCE) was operated at the facility. The facility was operated by ANCO Metal Improvement Company from 1967 through 1994. The vapor degreaser was removed and the impacted soil beneath the degreaser was excavated and disposed of offsite during the first half of 1998. An area approximately 15 feet long by 13 feet wide by 15 feet deep was excavated during February 23 and 24, 1998. Approximately 110 cubic yards of soil were removed from the excavation and shipped offsite for recycling. Groundwater and vapor-extraction systems were installed at the site during August and September 2009. On May 13, 2010, borings were drilled at ten offsite locations to depths of five feet and vapor probes were inserted in the borings in order to retrieve soil-vapor samples. Permanent vapor probes LECSV-7-5 and LECSV-8-5 were installed on the properties directly south of the subject site to obtain radius of influence data and confirmation soil-vapor samples following the completion of vapor extraction activities. A human health risk assessment were presented in September 2011 and In a December 22, 2011, letter the RWQCB approved the revised human health risk assessment and stated that no additional assessment of shallow soil vapor is required for the investigated/study area at this time. During December 2013, groundwater monitoring wells MW-17A, MW-17C, and MW-17D were installed approximately 500 feet directly down-gradient (southeast) from multi-depth monitoring well MW-10 (Figure 2 Site Plot Plan). Well MW-17A is screened across the A/B zone from 35-65 feet bgs. Wells MW-17C and MW-17D are screened in the C zone (73-78 feet bgs) and D zone (110-120 feet bgs), respectively. Primary COCs include PCE, TCE and chromium. In 2002, Coast Plating started operating at the Site. Historical vapor degreasing, metal plating, wastewater treatment, clarifier operation, and materials storage. PCE impacted soil vapor and GW beneath the Site. Vapor degreasers removed in 1998 and impacted soil excavated. NFA for soil issued 1999 based on limited soil confirmation samples. Soil NFA rescinded 2008 due to elevated soil vapor readings from 2007. Depth to GW approximately 36 ft bgs. GW flows east and southeast. GW gradient: 0.005. Eight existing GW monitoring wells. Current max PCE concentration: 2,750 a%g/L. As of 2015, 159 total pounds PCE have been removed from groundwater by the groundwater treatment system, and 162 total pounds have been removed from from soil vapor by the SVE treatment system. Between system start-up on December 15, 2009, and June 30, 2015, approximately 420 pounds of PCE were removed from the groundwater and vapor beneath the site.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COAST PLATING INC (Continued)

S117041276

[Click here to access the California GeoTracker records for this facility:](#)

NPDES:

Facility Status: Terminated
NPDES Number: CAS000002
Region: 4
Agency Number: 0
Regulatory Measure ID: 446797
Place ID: Not reported
Order Number: 2009-0009-DWQ
WDID: 4 19C370097
Regulatory Measure Type: Enrollee
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 06/24/2014
Termination Date Of Regulatory Measure: 06/20/2017
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: 417 West 164th Street
Discharge Name: Coast Palting Inc
Discharge City: Carson
Discharge State: California
Discharge Zip: 90248
Status: Not reported
Status Date: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

NPDES as of 03/2018:

NPDES Number: Not reported
Status: Not reported
Agency Number: Not reported
Region: 4
Regulatory Measure ID: 446797
Order Number: Not reported
Regulatory Measure Type: Construction
Place ID: Not reported
WDID: 4 19C370097
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Received Date: 06/19/2014
Processed Date: 06/24/2014
Status: Active
Status Date: 06/22/2017
Place Size: 1.95
Place Size Unit: Acres

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COAST PLATING INC (Continued)

S117041276

Contact: Tim Mickael
Contact Title: Not reported
Contact Phone: 407-232-3074
Contact Phone Ext: Not reported
Contact Email: tjordan@coastplating.com
Operator Name: Coast Plating Inc
Operator Address: 417 West 164th Street
Operator City: Carson
Operator State: California
Operator Zip: 90248
Operator Contact: Tim Mickael
Operator Contact Title: Not reported
Operator Contact Phone: 407-232-3074
Operator Contact Phone Ext: Not reported
Operator Contact Email: tjordan@coastplating.com
Operator Type: Private Business
Developer: Coast Plating Inc
Developer Address: 128 West 154th Street
Developer City: Carson
Developer State: California
Developer Zip: 90248
Developer Contact: Tim Mickael
Developer Contact Title: Not reported
Constype Linear Utility Ind: N
Emergency Phone: Not reported
Emergency Phone Ext: Not reported
Constype Above Ground Ind: N
Constype Below Ground Ind: N
Constype Cable Line Ind: N
Constype Comm Line Ind: N
Constype Commercial Ind: N
Constype Electrical Line Ind: N
Constype Gas Line Ind: N
Constype Industrial Ind: Y
Constype Other Description: Not reported
Constype Other Ind: N
Constype Recons Ind: Y
Constype Residential Ind: N
Constype Transport Ind: Y
Constype Utility Description: Not reported
Constype Utility Ind: N
Constype Water Sewer Ind: N
Dir Discharge Uswater Ind: N
Receiving Water Name: Dominguez Channel
Certifier: Matthew Alty
Certifier Title: CEO
Certification Date: 16-MAY-17
Primary Sic: Not reported
Secondary Sic: Not reported
Tertiary Sic: Not reported

NPDES Number: CAS000002
Status: Terminated
Agency Number: 0
Region: 4
Regulatory Measure ID: 446797
Order Number: 2009-0009-DWQ

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COAST PLATING INC (Continued)

S117041276

Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C370097
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	06/24/2014
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	06/20/2017
Discharge Name:	Coast Palting Inc
Discharge Address:	417 West 164th Street
Discharge City:	Carson
Discharge State:	California
Discharge Zip:	90248
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COAST PLATING INC (Continued)

S117041276

Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19C370097
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	11/06/2017
Operator Name:	Coast Palting Inc
Operator Address:	417 West 164th Street
Operator City:	Carson
Operator State:	California
Operator Zip:	90248
NPDES as of 03/2018:	
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	446797
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C370097
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COAST PLATING INC (Continued)

S117041276

Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	06/19/2014
Processed Date:	06/24/2014
Status:	Active
Status Date:	06/22/2017
Place Size:	1.95
Place Size Unit:	Acres
Contact:	Tim Mickael
Contact Title:	Not reported
Contact Phone:	407-232-3074
Contact Phone Ext:	Not reported
Contact Email:	tjordan@coastplating.com
Operator Name:	Coast Plating Inc
Operator Address:	417 West 164th Street
Operator City:	Carson
Operator State:	California
Operator Zip:	90248
Operator Contact:	Tim Mickael
Operator Contact Title:	Not reported
Operator Contact Phone:	407-232-3074
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	tjordan@coastplating.com
Operator Type:	Private Business
Developer:	Coast Plating Inc
Developer Address:	128 West 154th Street
Developer City:	Carson
Developer State:	California
Developer Zip:	90248
Developer Contact:	Tim Mickael
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commercial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	Y
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	Y
Constype Residential Ind:	N
Constype Transport Ind:	Y
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Dominguez Channel
Certifier:	Matthew Alty
Certifier Title:	CEO
Certification Date:	16-MAY-17
Primary Sic:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COAST PLATING INC (Continued)

S117041276

Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	4
Regulatory Measure ID:	446797
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C370097
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	06/24/2014
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	06/20/2017
Discharge Name:	Coast Palting Inc
Discharge Address:	417 West 164th Street
Discharge City:	Carson
Discharge State:	California
Discharge Zip:	90248
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COAST PLATING INC (Continued)

S117041276

Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Agency:	Coast Palting Inc
Agency Address:	417 West 164th Street, Carson, CA 90248
Place/Project Type:	Construction - Industrial, Transportation, Reconstruction
SIC/NAICS:	Not reported
Region:	4
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	4 19C370097
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	06/24/2014
Termination Date:	06/20/2017
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	1
Violations within 5 years:	2
Latitude:	33.88328
Longitude:	-118.28083

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B13
West
< 1/8
0.070 mi.
367 ft.

DECORE PLATING
434 WEST 164-TH STREET
GARDENA, CA 90249

ENVIROSTOR **S113804703**
N/A

Site 7 of 8 in cluster B

Relative:
Lower
Actual:
40 ft.

ENVIROSTOR:
Facility ID: 60001441
Status: Inactive - Action Required
Status Date: 05/07/2013
Site Code: 301504
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 1
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Cleanup Chatsworth
Assembly: 64
Senate: 35
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.88252
Longitude: -118.2816
APN: 6125-019-019
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 6125-019-019
Alias Type: APN
Alias Name: CAR000051649
Alias Type: EPA Identification Number
Alias Name: 301504
Alias Type: Project Code (Site Code)
Alias Name: 60001441
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

B14
West
< 1/8
0.070 mi.
367 ft.

DECORE PLATING INC
434 W 164TH ST
GARDENA, CA 90248

Site 8 of 8 in cluster B

RCRA-SQG 1001481110
FINDS CAR000051649
ECHO
HAZNET
LOS ANGELES CO. HMS

Relative:
Lower

RCRA-SQG:

Date form received by agency: 04/27/1999

Actual:
40 ft.

Facility name: DECORE PLATING INC
 Facility address: 434 W 164TH ST
 GARDENA, CA 90248

EPA ID: CAR000051649
 Contact: DONALD ARGO
 Contact address: 434 W 164TH ST
 GARDENA, CA 90248

Contact country: US
 Contact telephone: 310-324-6755
 Contact email: Not reported
 EPA Region: 09

Land type: Private
 Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: DONALD ARGO
 Owner/operator address: 434 W 164TH ST
 GARDENA, CA 90248

Owner/operator country: Not reported
 Owner/operator telephone: 310-324-6755
 Owner/operator email: Not reported
 Owner/operator fax: Not reported
 Owner/operator extension: Not reported
 Legal status: County
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DECORE PLATING INC (Continued)

1001481110

- . Waste code: D002
- . Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

- . Waste code: D003
- . Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

- . Waste code: D006
- . Waste name: CADMIUM

- . Waste code: D007
- . Waste name: CHROMIUM

- . Waste code: D011
- . Waste name: SILVER

- . Waste code: F009
- . Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Historical Generators:

Date form received by agency: 04/27/1999
Site name: DECORE PLATING INC
Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 04/22/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 04/22/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/27/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

FINDS:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DECORE PLATING INC (Continued)

1001481110

Registry ID: 110008287727

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1001481110
Registry ID: 110008287727
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110008287727>

HAZNET:

envid: 1001481110
Year: 2017
GEPaid: CAR000051649
Contact: DONALD ARGO
Telephone: 3103246755
Mailing Name: Not reported
Mailing Address: 434 W 164TH ST
Mailing City,St,Zip: GARDENA, CA 902480000
Gen County: Los Angeles
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Liquids with nickel >= 134 Mg./L
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 1.14675
Cat Decode: Liquids with nickel >= 134 Mg./L
Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County: Los Angeles

envid: 1001481110
Year: 2017
GEPaid: CAR000051649
Contact: DONALD ARGO
Telephone: 3103246755
Mailing Name: Not reported
Mailing Address: 434 W 164TH ST
Mailing City,St,Zip: GARDENA, CA 902480000
Gen County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DECORE PLATING INC (Continued)

1001481110

TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Unspecified aqueous solution
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 1.05
Cat Decode: Unspecified aqueous solution
Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County: Los Angeles

envid: 1001481110
Year: 2017
GEPaid: CAR000051649
Contact: DONALD ARGO
Telephone: 3103246755
Mailing Name: Not reported
Mailing Address: 434 W 164TH ST
Mailing City,St,Zip: GARDENA, CA 902480000
Gen County: Los Angeles
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Liquids with chromium (VI) >= 500 Mg./L
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 5.73375
Cat Decode: Liquids with chromium (VI) >= 500 Mg./L
Method Decode: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Facility County: Los Angeles

envid: 1001481110
Year: 2016
GEPaid: CAR000051649
Contact: DONALD ARGO
Telephone: 3103246755
Mailing Name: Not reported
Mailing Address: 434 W 164TH ST
Mailing City,St,Zip: GARDENA, CA 902480000
Gen County: Los Angeles
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Liquids with chromium (VI) >= 500 Mg./L
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 2.2935
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1001481110
Year: 2016
GEPaid: CAR000051649
Contact: DONALD ARGO
Telephone: 3103246755
Mailing Name: Not reported
Mailing Address: 434 W 164TH ST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DECORE PLATING INC (Continued)

1001481110

Mailing City,St,Zip: GARDENA, CA 902480000
Gen County: Los Angeles
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Liquids with nickel >= 134 Mg./L
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Tons: 2.2935
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
109 additional CA_HAZNET: record(s) in the EDR Site Report.

LOS ANGELES CO. HMS:

Region: LA
Permit Category: I
Facility Id: 015770-020251
Facility Type: 01
Facility Status: Permit
Area: 22
Permit Number: 000013356
Permit Status: Permit

E15
SSE
< 1/8
0.083 mi.
440 ft.

PENHALL COMPANY
16539 S BROADWAY
GARDENA, CA 90248
Site 1 of 2 in cluster E

HIST UST **U001563179**
N/A

Relative:
Lower
Actual:
42 ft.

HIST UST:
File Number: 000268A7
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000268A7.pdf>
Region: STATE
Facility ID: 00000041219
Facility Type: Other
Other Type: CONTRACTOR
Contact Name: ART KASTNER
Telephone: 2133216131
Owner Name: FRANK FISHER
Owner Address: 1455 CRENSHAW BLVD., SUITE 250
Owner City,St,Zip: TORRANCE, CA 90501
Total Tanks: 0003

Tank Num: 001
Container Num: ONE (1)
Year Installed: 1980
Tank Capacity: 00010000
Tank Used for: Not reported
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: TWO (2)
Year Installed: 1980

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENHALL COMPANY (Continued)

U001563179

Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: THREE (3)
Year Installed: 1980
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

[Click here for Geo Tracker PDF:](#)

16
ESE
< 1/8
0.089 mi.
468 ft.

**IRI INTERCONICS
130 W GARDENA
GARDENA, CA 90248**

**RCRA-SQG 1000120186
FINDS CAD981450174
ECHO**

**Relative:
Higher
Actual:
43 ft.**

RCRA-SQG:
Date form received by agency: 03/04/1986
Facility name: IRI INTERCONICS
Facility address: 130 W GARDENA
GARDENA, CA 90248
EPA ID: CAD981450174
Contact: ENVIRONMENTAL MANAGER
Contact address: 130 W GARDENA
GARDENA, CA 94105
Contact country: US
Contact telephone: 213-770-4340
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: R WILLIAMS
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IRI INTERCONICS (Continued)

1000120186

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110006470915

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000120186
Registry ID: 110006470915
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110006470915>

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E17
SSE
< 1/8
0.093 mi.
492 ft.

PENHALL COMPANY
16539 S BROADWAY
CARSON, CA
Site 2 of 2 in cluster E

SWEEPS UST **S101587127**
CA FID UST **N/A**

Relative:
Lower
Actual:
41 ft.

SWEEPS UST:
Status: Active
Comp Number: 10918
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 19054913
Regulated By: UTNKA
Regulated ID: 00041219
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8180000000
Mail To: Not reported
Mailing Address: 1801 PENHALL WAY
Mailing Address 2: Not reported
Mailing City,St,Zip: CARSON
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

F18
NE
< 1/8
0.098 mi.
515 ft.

AMERICAN HONDA MOTOR CO INC
100 W ALONDRA BLVD
GARDENA, CA 90247
Site 1 of 4 in cluster F

RCRA-SQG **1000360656**
FINDS **CAD008860389**
ECHO

Relative:
Higher
Actual:
45 ft.

RCRA-SQG:
Date form received by agency: 09/17/1986
Facility name: AMERICAN HONDA MOTOR CO INC
Facility address: 100 W ALONDRA BLVD
GARDENA, CA 90247
EPA ID: CAD008860389
Mailing address: W ALONDRA BLVD
GARDENA, CA 90247
Contact: ENVIRONMENTAL MANAGER
Contact address: 100 W ALONDRA BLVD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN HONDA MOTOR CO INC (Continued)

1000360656

GARDENA, CA 90247
Contact country: US
Contact telephone: 213-604-2483
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: AMERICAN HONDA MOTOR
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

AMERICAN HONDA MOTOR CO INC (Continued)

1000360656

Violation Status: No violations found

FINDS:

Registry ID: 110002634775

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

Registry ID: 110058259584

Environmental Interest/Information System

STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000360656
 Registry ID: 110002634775
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002634775>

**F19
 NE
 < 1/8
 0.098 mi.
 515 ft.**

**PACIFIC BELL CRSNCA02/A5453
 100 W ALONDRA BLVD
 GARDENA, CA 90248**

**UST U003777359
 N/A**

Site 2 of 4 in cluster F

**Relative:
 Higher
 Actual:
 45 ft.**

UST:
 Facility ID: 20559
 Permitting Agency: LOS ANGELES, CITY OF
 Latitude: 33.885478
 Longitude: -118.275959

**F20
 NE
 < 1/8
 0.098 mi.
 515 ft.**

**AT&T CALIFORNIA - A5453
 100 W ALONDRA BLVD
 GARDENA, CA 90248**

**AST A100417247
 N/A**

Site 3 of 4 in cluster F

**Relative:
 Higher
 Actual:
 45 ft.**

AST:
 Certified Unified Program Agencies: Not reported
 Owner: Pacific Bell Telephone Company dba AT&T California
 Total Gallons: Not reported
 CERSID: 10207987
 Facility ID: LACoFA0002528
 Business Name: PACIFIC BELL TELEPHONE COMPANY dba AT&T CALIFORNIA
 Phone: 310-335-6088

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AT&T CALIFORNIA - A5453 (Continued)

A100417247

Fax: 925-973-0584
Mailing Address: 308 S. Akard Street, Room 1708
Mailing Address City: Dallas
Mailing Address State: TX
Mailing Address Zip Code: 75202
Operator Name: AT&T California
Operator Phone: 310-335-6088
Owner Phone: 214-464-2626
Owner Mail Address: 308 S. Akard Street, Room 1708
Owner State: TX
Owner Zip Code: 75202
Owner Country: United States
Property Owner Name: Pacific Bell Telephone Company dba AT&T California
Property Owner Phone: (214) 464-2626
Property Owner Mailing Address: 308 S. Akard St., Room 1708
Property Owner City: Dallas
Property Owner Stat : TX
Property Owner Zip Code: 75202
Property Owner Country: United States
EPAID: CAL000112339

**F21
NE
< 1/8
0.098 mi.
515 ft.**

**PACIFIC BELL
100 W ALONDRA BLVD
CARSON, CA 90248
Site 4 of 4 in cluster F**

**LUST S108752171
N/A**

**Relative:
Higher
Actual:
45 ft.**

LUST:
Lead Agency: SWRCB
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603724267
Global Id: T0603724267
Latitude: 33.884631
Longitude: -118.276451
Status: Completed - Case Closed
Status Date: 01/07/2015
Case Worker: MC
RB Case Number: Not reported
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: 005343-020559
Potential Media Affect: Under Investigation
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603724267
Contact Type: Regional Board Caseworker
Contact Name: MATTHEW COHEN
Organization Name: SWRCB
Address: 1001 I Street
City: SACRAMENTO
Email: mcohen@waterboards.ca.gov
Phone Number: 9163415751

Global Id: T0603724267
Contact Type: Local Agency Caseworker
Contact Name: RANI IYER

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACIFIC BELL (Continued)

S108752171

Organization Name: LOS ANGELES COUNTY
Address: 900 S. FREMONT AVE.
City: ALHAMBRA
Email: riyer@dpw.lacounty.gov
Phone Number: Not reported

LUST:

Global Id: T0603724267
Action Type: Other
Date: 01/23/2003
Action: Leak Reported

Global Id: T0603724267
Action Type: RESPONSE
Date: 01/03/2003
Action: Tank Removal Report / UST Sampling Report

Global Id: T0603724267
Action Type: ENFORCEMENT
Date: 06/25/2013
Action: Referral to Regional Board

Global Id: T0603724267
Action Type: RESPONSE
Date: 04/17/2014
Action: Other Report / Document

Global Id: T0603724267
Action Type: RESPONSE
Date: 04/17/2014
Action: Other Report / Document

Global Id: T0603724267
Action Type: RESPONSE
Date: 04/17/2014
Action: Other Report / Document

Global Id: T0603724267
Action Type: REMEDIATION
Date: 01/23/2003
Action: Not reported

Global Id: T0603724267
Action Type: ENFORCEMENT
Date: 07/28/2014
Action: State Water Board Closure Order

Global Id: T0603724267
Action Type: ENFORCEMENT
Date: 04/17/2014
Action: Notification - Public Notice of Case Closure

Global Id: T0603724267
Action Type: ENFORCEMENT
Date: 01/07/2015
Action: Closure/No Further Action Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACIFIC BELL (Continued)

S108752171

Global Id: T0603724267
Action Type: Other
Date: 01/03/2003
Action: Leak Discovery

LUST:

Global Id: T0603724267
Status: Completed - Case Closed
Status Date: 01/07/2015

Global Id: T0603724267
Status: Open - Case Begin Date
Status Date: 01/03/2003

Global Id: T0603724267
Status: Open - Eligible for Closure
Status Date: 10/23/2013

Global Id: T0603724267
Status: Open - Eligible for Closure
Status Date: 07/28/2014

Global Id: T0603724267
Status: Open - Site Assessment
Status Date: 01/23/2003

D22
West
< 1/8
0.099 mi.
525 ft.

YAMADA CO INC
445 W GARDENA BLVD
GARDENA, CA 90248
Site 2 of 2 in cluster D

RCRA-SQG 1000819691
FINDS CAD983656885
ECHO
HAZNET

Relative:
Lower
Actual:
40 ft.

RCRA-SQG:
Date form received by agency: 01/14/1993
Facility name: YAMADA CO INC
Facility address: 445 W GARDENA BLVD
GARDENA, CA 90248
EPA ID: CAD983656885
Contact: MIKE KUWAHARA
Contact address: 445 W GARDENA BLVD
GARDENA, CA 90248
Contact country: US
Contact telephone: 310-538-2068
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: YAMADA SVC CTR
Owner/operator address: 445 W GARDENA BLVD
GARDENA, CA 90248

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

YAMADA CO INC (Continued)

1000819691

Owner/operator country: Not reported
Owner/operator telephone: 310-538-2068
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002890694

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000819691
Registry ID: 110002890694
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002890694>

HAZNET:

envid: 1000819691
Year: 2001
GEPaid: CAD983656885
Contact: MIKE KUWAHARA
Telephone: 3105382068

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

YAMADA CO INC (Continued)

1000819691

Mailing Name: Not reported
Mailing Address: 445 W GARDENA BLVD
Mailing City,St,Zip: GARDENA, CA 902482740
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: 0.2
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000819691
Year: 2001
GEPaid: CAD983656885
Contact: MIKE KUWAHARA
Telephone: 3105382068
Mailing Name: Not reported
Mailing Address: 445 W GARDENA BLVD
Mailing City,St,Zip: GARDENA, CA 902482740
Gen County: Not reported
TSD EPA ID: CAT000613935
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: 0.07
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000819691
Year: 2000
GEPaid: CAD983656885
Contact: MIKE KUWAHARA
Telephone: 3105382068
Mailing Name: Not reported
Mailing Address: 445 W GARDENA BLVD
Mailing City,St,Zip: GARDENA, CA 902482740
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: 0.37
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000819691
Year: 2000
GEPaid: CAD983656885
Contact: MIKE KUWAHARA
Telephone: 3105382068
Mailing Name: Not reported
Mailing Address: 445 W GARDENA BLVD
Mailing City,St,Zip: GARDENA, CA 902482740

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

YAMADA CO INC (Continued)

1000819691

Gen County: Not reported
 TSD EPA ID: CAT000613935
 TSD County: Not reported
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: 0.13
 Cat Decode: Not reported
 Method Decode: Not reported
 Facility County: Los Angeles

envid: 1000819691
 Year: 1999
 GEPAID: CAD983656885
 Contact: YAMADA SVC CTR
 Telephone: 3105382068
 Mailing Name: Not reported
 Mailing Address: 445 W GARDENA BLVD
 Mailing City, St, Zip: GARDENA, CA 902482740

Gen County: Not reported
 TSD EPA ID: CAT000613893
 TSD County: Not reported
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: .2250
 Cat Decode: Not reported
 Method Decode: Not reported
 Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
 1 additional CA_HAZNET: record(s) in the EDR Site Report.

G23
NNW
 < 1/8
 0.107 mi.
 567 ft.

UNIT ENGINEERING CORP
400 W ALONDRA BLVD
GARDENA, CA 90248
 Site 1 of 5 in cluster G

RCRA-SQG 1000391942
FINDS CAD008268013
ECHO
EMI
HAZNET
LOS ANGELES CO. HMS

Relative:
Lower

RCRA-SQG:

Actual:
 42 ft.

Date form received by agency: 09/01/1996
 Facility name: UNIT ENGINEERING CORP
 Facility address: 400 W ALONDRA BLVD
 GARDENA, CA 90248
 EPA ID: CAD008268013
 Mailing address: W ALONDRA BLVD
 GARDENA, CA 90248
 Contact: Not reported
 Contact address: Not reported
 Not reported
 Contact country: US
 Contact telephone: Not reported
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNIT ENGINEERING CORP (Continued)

1000391942

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002631368

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNIT ENGINEERING CORP (Continued)

1000391942

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000391942
Registry ID: 110002631368
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002631368>

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 12649
Air District Name: SC
SIC Code: 3444
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 6
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 12649
Air District Name: SC
SIC Code: 3444
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 5
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 12649
Air District Name: SC
SIC Code: 3444
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNIT ENGINEERING CORP (Continued)

1000391942

Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

HAZNET:

envid: 1000391942
Year: 1995
GEPID: CAD008268013
Contact: RAPH D'DEA
Telephone: 2133219111
Mailing Name: Not reported
Mailing Address: 400 W ALONDRA BLVD
Mailing City,St,Zip: GARDENA, CA 902482425
Gen County: Not reported
TSD EPA ID: CAT080011059
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Recycler
Tons: .6463
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000391942
Year: 1995
GEPID: CAD008268013
Contact: RAPH D'DEA
Telephone: 2133219111
Mailing Name: Not reported
Mailing Address: 400 W ALONDRA BLVD
Mailing City,St,Zip: GARDENA, CA 902482425
Gen County: Not reported
TSD EPA ID: NVT330010000
TSD County: Not reported
Waste Category: Alkaline solution (pH >= 12.5) with metals
Disposal Method: Not reported
Tons: 22.9325
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000391942
Year: 1995
GEPID: CAD008268013
Contact: RAPH D'DEA
Telephone: 2133219111
Mailing Name: Not reported
Mailing Address: 400 W ALONDRA BLVD
Mailing City,St,Zip: GARDENA, CA 902482425
Gen County: Not reported
TSD EPA ID: CAT080011059
TSD County: Not reported
Waste Category: Waste oil and mixed oil

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNIT ENGINEERING CORP (Continued)

1000391942

Disposal Method: Recycler
Tons: 2.0850
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

LOS ANGELES CO. HMS:

Region: LA
Permit Category: I
Facility Id: 005796-I06006
Facility Type: 01
Facility Status: Closed
Area: 22
Permit Number: 000003871
Permit Status: Closed

**H24
NW
< 1/8
0.109 mi.
573 ft.**

**CUSTOM RESEARCH/SIMPLY SUPERIO
422-32-42 W. ALONDRA BLVD.
CARSON, CA 90248**

**HIST UST U001563149
N/A**

Site 1 of 5 in cluster H

**Relative:
Higher
Actual:
43 ft.**

HIST UST:
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000055928
Facility Type: Other
Other Type: COSMETIC RESEARCH LA
Contact Name: DR. GEOFFREY WARD
Telephone: 2133212840
Owner Name: MICHAEL J. QUAGLETTI AND PEGGY
Owner Address: 15225 S. BROADWAY
Owner City,St,Zip: GARDENA, CA 90248
Total Tanks: 0004

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 3
Year Installed: 1970

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CUSTOM RESEARCH/SIMPLY SUPERIO (Continued)

U001563149

Tank Capacity: 00001000
 Tank Used for: PRODUCT
 Type of Fuel: Not reported
 Container Construction Thickness: Not reported
 Leak Detection: None

Tank Num: 004
 Container Num: 4
 Year Installed: 1970
 Tank Capacity: 00001000
 Tank Used for: PRODUCT
 Type of Fuel: Not reported
 Container Construction Thickness: Not reported
 Leak Detection: None

**H25
 NW
 < 1/8
 0.109 mi.
 573 ft.**

**CUSTOM RESEARCH/SIMPLY SUPERIO
 422-32-42 W ALONORA BLVD
 CARSON, CA 90248
 Site 2 of 5 in cluster H**

**HIST UST S118409056
 N/A**

**Relative:
 Higher
 Actual:
 43 ft.**

HIST UST:
 File Number: 00027BFA
 URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027BFA.pdf>
 Region: Not reported
 Facility ID: Not reported
 Facility Type: Not reported
 Other Type: Not reported
 Contact Name: Not reported
 Telephone: Not reported
 Owner Name: Not reported
 Owner Address: Not reported
 Owner City,St,Zip: Not reported
 Total Tanks: Not reported

Tank Num: Not reported
 Container Num: Not reported
 Year Installed: Not reported
 Tank Capacity: Not reported
 Tank Used for: Not reported
 Type of Fuel: Not reported
 Container Construction Thickness: Not reported
 Leak Detection: Not reported

Click here for Geo Tracker PDF:

**26
 WNW
 < 1/8
 0.116 mi.
 614 ft.**

**AMBIT PACIFIC RECYCLING INC
 16222 S FIGUEROA ST
 GARDENA, CA 90248**

**SWRCY S107136627
 N/A**

**Relative:
 Lower
 Actual:
 41 ft.**

SWRCY:
 Reg Id: 19288
 Cert Id: RC0050
 Mailing Address: 16222 S Figueroa St

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMBIT PACIFIC RECYCLING INC (Continued)

S107136627

Mailing City: Gardena
Mailing State: CA
Mailing Zip Code: 90248
Website: Not reported
Email: Not reported
Phone Number: (310) 538-3798
Rural: N
Operation Begin Date: 08/03/1987
Aluminium: Y
Glass: Y
Plastic: Y
Bimetal: Y
Hours of Operation: Mon - Fri 6:00 am - 3:15 pm; Sat 6:00 am - 2:15 pm; Sun Closed
Organization ID: 19288
Organization Name: Ambit Pacific Recycling Inc

I27
North
< 1/8
0.117 mi.
619 ft.

KAISER FOUNDATION
310 W ALONDRA BLVD
CARSON, CA 90248

SWEEPS UST U002281213
LOS ANGELES CO. HMS N/A

Site 1 of 5 in cluster I

Relative:
Higher
Actual:
43 ft.

SWEEPS UST:
Status: Active
Comp Number: 7633
Number: 9
Board Of Equalization: 44-007402
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-007633-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 1

LOS ANGELES CO. HMS:

Region: LA
Permit Category: I
Facility Id: 007294-107633
Facility Type: 09
Facility Status: Closed
Area: 22
Permit Number: 000010758
Permit Status: Closed

Region: LA
Permit Category: T
Facility Id: 007294-007633
Facility Type: 0
Facility Status: Removed
Area: 22
Permit Number: 00004872T

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KAISER FOUNDATION (Continued)

U002281213

Permit Status: Removed

J28
West
1/8-1/4
0.128 mi.
676 ft.

S AND M SERVICE STATION
16435 FIGUEROA ST S
LOS ANGELES, CA 90248

LUST **S103587549**
N/A

Site 1 of 10 in cluster J

Relative:
Lower
Actual:
39 ft.

LUST:

Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701287
Global Id: T0603701287
Latitude: 33.882415
Longitude: -118.2827501
Status: Completed - Case Closed
Status Date: 08/29/2011
Case Worker: MB
RB Case Number: 902480161
Local Agency: LOS ANGELES, CITY OF
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0603701287
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603701287
Contact Type: Regional Board Caseworker
Contact Name: MAGDY BAIADY
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: LOS ANGELES
Email: mbaiady@waterboards.ca.gov
Phone Number: 2135766699

LUST:

Global Id: T0603701287
Action Type: Other
Date: 06/06/1997
Action: Leak Reported

Global Id: T0603701287
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701287
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S AND M SERVICE STATION (Continued)

S103587549

Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701287
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701287
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701287
Action Type: RESPONSE
Date: 10/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603701287
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701287
Action Type: RESPONSE
Date: 03/19/2007
Action: Soil and Water Investigation Workplan

Global Id: T0603701287
Action Type: RESPONSE
Date: 01/15/2008
Action: Remedial Progress Report

Global Id: T0603701287
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701287
Action Type: RESPONSE
Date: 10/15/2007
Action: Remedial Progress Report

Global Id: T0603701287
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

Global Id: T0603701287
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603701287
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S AND M SERVICE STATION (Continued)

S103587549

Global Id:	T0603701287
Action Type:	RESPONSE
Date:	04/15/2009
Action:	Remedial Progress Report
Global Id:	T0603701287
Action Type:	RESPONSE
Date:	08/11/2008
Action:	Well Installation Report
Global Id:	T0603701287
Action Type:	RESPONSE
Date:	07/15/2008
Action:	Remedial Progress Report
Global Id:	T0603701287
Action Type:	RESPONSE
Date:	04/15/2008
Action:	Remedial Progress Report
Global Id:	T0603701287
Action Type:	RESPONSE
Date:	01/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701287
Action Type:	RESPONSE
Date:	04/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701287
Action Type:	ENFORCEMENT
Date:	07/10/2002
Action:	Staff Letter
Global Id:	T0603701287
Action Type:	REMEDICATION
Date:	11/05/2007
Action:	Soil Vapor Extraction (SVE)
Global Id:	T0603701287
Action Type:	ENFORCEMENT
Date:	08/29/2011
Action:	Closure/No Further Action Letter
Global Id:	T0603701287
Action Type:	ENFORCEMENT
Date:	09/28/2011
Action:	Notice of Termination
Global Id:	T0603701287
Action Type:	RESPONSE
Date:	10/15/2008
Action:	Remedial Progress Report
Global Id:	T0603701287
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S AND M SERVICE STATION (Continued)

S103587549

Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603701287
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603701287
Action Type: RESPONSE
Date: 01/15/2009
Action: Remedial Progress Report

Global Id: T0603701287
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701287
Action Type: RESPONSE
Date: 01/15/2010
Action: Remedial Progress Report

Global Id: T0603701287
Action Type: ENFORCEMENT
Date: 06/20/2007
Action: Waste Discharge Requirements

Global Id: T0603701287
Action Type: RESPONSE
Date: 07/15/2009
Action: Remedial Progress Report

Global Id: T0603701287
Action Type: RESPONSE
Date: 01/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603701287
Action Type: RESPONSE
Date: 04/15/2010
Action: Remedial Progress Report

Global Id: T0603701287
Action Type: RESPONSE
Date: 08/15/2002
Action: Other Report / Document

Global Id: T0603701287
Action Type: RESPONSE
Date: 01/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603701287
Action Type: RESPONSE
Date: 01/15/2004
Action: Monitoring Report - Quarterly

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S AND M SERVICE STATION (Continued)

S103587549

Global Id:	T0603701287
Action Type:	RESPONSE
Date:	07/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603701287
Action Type:	RESPONSE
Date:	10/15/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0603701287
Action Type:	RESPONSE
Date:	07/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701287
Action Type:	RESPONSE
Date:	10/15/2010
Action:	Remedial Progress Report
Global Id:	T0603701287
Action Type:	RESPONSE
Date:	01/15/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701287
Action Type:	ENFORCEMENT
Date:	06/20/2007
Action:	Staff Letter
Global Id:	T0603701287
Action Type:	Other
Date:	06/06/1997
Action:	Leak Discovery
Global Id:	T0603701287
Action Type:	RESPONSE
Date:	04/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603701287
Action Type:	RESPONSE
Date:	10/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603701287
Action Type:	RESPONSE
Date:	04/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603701287
Action Type:	RESPONSE
Date:	07/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701287
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S AND M SERVICE STATION (Continued)

S103587549

Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603701287
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603701287
Action Type: RESPONSE
Date: 01/15/2011
Action: Remedial Progress Report

Global Id: T0603701287
Action Type: RESPONSE
Date: 04/15/2011
Action: Remedial Progress Report

Global Id: T0603701287
Action Type: RESPONSE
Date: 07/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603701287
Action Type: RESPONSE
Date: 07/15/2011
Action: Remedial Progress Report

Global Id: T0603701287
Action Type: RESPONSE
Date: 08/05/2011
Action: Request for Closure

Global Id: T0603701287
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603701287
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603701287
Action Type: RESPONSE
Date: 10/15/2004
Action: Monitoring Report - Quarterly

LUST:

Global Id: T0603701287
Status: Completed - Case Closed
Status Date: 08/29/2011

Global Id: T0603701287
Status: Open - Case Begin Date
Status Date: 06/06/1997

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S AND M SERVICE STATION (Continued)

S103587549

Global Id: T0603701287
Status: Open - Remediation
Status Date: 06/12/2007

Global Id: T0603701287
Status: Open - Remediation
Status Date: 10/26/2007

Global Id: T0603701287
Status: Open - Remediation
Status Date: 01/30/2008

Global Id: T0603701287
Status: Open - Remediation
Status Date: 04/21/2008

Global Id: T0603701287
Status: Open - Site Assessment
Status Date: 07/18/1997

Global Id: T0603701287
Status: Open - Site Assessment
Status Date: 12/12/2001

Global Id: T0603701287
Status: Open - Site Assessment
Status Date: 03/19/2007

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 902480161
Status: Pollution Characterization
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701287
W Global ID: Not reported
Staff: MB
Local Agency: 19050
Cross Street: GARDENA BLVD
Enforcement Type: LET
Date Leak Discovered: 6/6/1997
Date Leak First Reported: 6/6/1997
Date Leak Record Entered: 3/31/1998
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 9/27/2002
Date the Case was Closed: Not reported
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: UNK

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

S AND M SERVICE STATION (Continued)

S103587549

Operator: GARY KURBESSDIAN
 Water System: Not reported
 Well Name: Not reported
 Approx. Dist To Production Well (ft): 6411.6968457767296943639570438
 Source of Cleanup Funding: UNK
 Preliminary Site Assessment Workplan Submitted: Not reported
 Preliminary Site Assessment Began: 7/18/1997
 Pollution Characterization Began: 12/12/2001
 Remediation Plan Submitted: Not reported
 Remedial Action Underway: Not reported
 Post Remedial Action Monitoring Began: Not reported
 Enforcement Action Date: Not reported
 Historical Max MTBE Date: 10/31/2003
 Hist Max MTBE Conc in Groundwater: 1450
 Hist Max MTBE Conc in Soil: 58
 Significant Interim Remedial Action Taken: Not reported
 GW Qualifier: =
 Soil Qualifier: =
 Organization: Not reported
 Owner Contact: Not reported
 Responsible Party: GARABET KURBESSOIAN
 RP Address: 4561 MARKET ST., SUITE B
 Program: LUST
 Lat/Long: 33.882415 / -1
 Local Agency Staff: PEJ
 Beneficial Use: Not reported
 Priority: Not reported
 Cleanup Fund Id: Not reported
 Suspended: Not reported
 Assigned Name: Not reported
 Summary: 8/10/98 - 72 HOUR NOTICE OF INTENT FOR IMPLEMENTATION OF INTERIM
 CORRECTIVE ACTION DURING INSTALL. OF UST & PRODUCT DISP; 2/20/01 WP
 FOR SITE ASSESSMENT & QTRLY GW MON RPT

**H29
 NW
 1/8-1/4
 0.129 mi.
 682 ft.**

**WESTPAC
 16120 S FIGUEROA ST
 CARSON, CA 90248
 Site 3 of 5 in cluster H**

**SWEEPS UST S106853804
 LOS ANGELES CO. HMS N/A**

**Relative:
 Higher
 Actual:
 44 ft.**

SWEEPS UST:
 Status: Active
 Comp Number: 13209
 Number: 9
 Board Of Equalization: Not reported
 Referral Date: 06-30-89
 Action Date: Not reported
 Created Date: 06-30-89
 Owner Tank Id: Not reported
 SWRCB Tank Id: Not reported
 Tank Status: Not reported
 Capacity: Not reported
 Active Date: Not reported
 Tank Use: Not reported
 STG: Not reported
 Content: Not reported
 Number Of Tanks: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTPAC (Continued)

S106853804

LOS ANGELES CO. HMS:
Region: LA
Permit Category: Not reported
Facility Id: 012955-013209
Facility Type: Not reported
Facility Status: Removed
Area: 22
Permit Number: Not reported
Permit Status: Not reported

K30
South
1/8-1/4
0.130 mi.
686 ft.

HI TECH HEAT TREATING INC
331 W 168TH ST
GARDENA, CA 90248

AST A100420777
N/A

Site 1 of 3 in cluster K

Relative:
Lower
Actual:
40 ft.

AST:
Certified Unified Program Agencies: Not reported
Owner: Oldfield, Alastair
Total Gallons: Not reported
CERSID: 10280536
Facility ID: LACoFA0001038
Business Name: HI TECH HEAT TREATING INC
Phone: (310) 532-3705
Fax: (310)532-3750
Mailing Address: 331 W 168TH ST
Mailing Address City: GARDENA
Mailing Address State: CA
Mailing Address Zip Code: 90248
Operator Name: GARRETT TOM
Operator Phone: (310)532-3705
Owner Phone: 7148938168
Owner Mail Address: 15541 Chemical Lane
Owner State: CA
Owner Zip Code: 92649
Owner Country: United States
Property Owner Name: Olfield, Alastair
Property Owner Phone: 7148938168
Property Owner Mailing Address: 15541 Chemical Lane
Property Owner City: Huntington Beach
Property Owner Stat : CA
Property Owner Zip Code: 92649
Property Owner Country: United States
EPAID: CAL000268963

K31
South
1/8-1/4
0.130 mi.
686 ft.

HI TECH HEAT TREATING INC.
331 W 168TH ST
GARDENA, CA 90248

RCRA-LQG 1023966817
CAR000275164

Site 2 of 3 in cluster K

Relative:
Lower
Actual:
40 ft.

RCRA-LQG:
Date form received by agency: 08/17/2017
Facility name: HI TECH HEAT TREATING INC.
Facility address: 331 W 168TH ST
GARDENA, CA 90248

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HI TECH HEAT TREATING INC. (Continued)

1023966817

EPA ID: CAR000275164
Mailing address: W 168TH ST
GARDENA, CA 90248
Contact: GARRETT TOM
Contact address: CHEMICAL LANE
HUNTINGTON BEACH, CA 92649
Contact country: US
Contact telephone: 310-532-3705
Contact email: HITECHHEATTREAT@YAHOO.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: ALASTAIR OLDFIELD
Owner/operator address: CHEMICAL LANE
HUNTINGTON BEACH, CA 92649
Owner/operator country: US
Owner/operator telephone: 714-893-8169
Owner/operator email: Not reported
Owner/operator fax: 714-893-8870
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/09/1998
Owner/Op end date: Not reported

Owner/operator name: ALASTAIR OLDFIELD
Owner/operator address: CHEMICAL LANE
HUNTINGTON BEACH, CA 92649
Owner/operator country: US
Owner/operator telephone: 714-893-8169
Owner/operator email: Not reported
Owner/operator fax: 714-893-8870
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 06/09/1998
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

HI TECH HEAT TREATING INC. (Continued)

1023966817

Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

. Waste code: 221
 . Waste name: Waste oil and mixed oil

. Waste code: 352
 . Waste name: Other organic solids

. Waste code: F037
 . Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE-ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN: OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORMWATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGE GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED FROM NON-CONTACT ONCE-THROUGH COOLING WATERS SEGREGATED FOR TREATMENT FROM OTHER PROCESS OR OILY COOLING WATERS, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS) AND K051 WASTES ARE NOT INCLUDED IN THIS LISTING.

Violation Status: No violations found

L32
East
1/8-1/4
0.133 mi.
703 ft.

HARBOR DISTRIBUTION CENTER
16407 MAIN ST. S.
CARSON, CA 90248

LUST S102063463
LOS ANGELES CO. HMS N/A

Site 1 of 3 in cluster L

Relative:
Higher
Actual:
44 ft.

LUST:
 Lead Agency: LOS ANGELES RWQCB (REGION 4)
 Case Type: LUST Cleanup Site
 Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603721588
 Global Id: T0603721588
 Latitude: 33.882
 Longitude: -118.27
 Status: Completed - Case Closed
 Status Date: 08/01/2011
 Case Worker: YL
 RB Case Number: R-21040
 Local Agency: LOS ANGELES COUNTY
 File Location: Regional Board
 Local Case Number: 16116-21040
 Potential Media Affect: Soil
 Potential Contaminants of Concern: Gasoline

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HARBOR DISTRIBUTION CENTER (Continued)

S102063463

Site History: Not reported

LUST:

Global Id: T0603721588
Contact Type: Regional Board Caseworker
Contact Name: ERIK RODRIGUEZ
Organization Name: LOS ANGELES COUNTY
Address: 900 S. FREMONT AVE.
City: ALHAMBRA
Email: Not reported
Phone Number: Not reported

Global Id: T0603721588
Contact Type: Regional Board Caseworker
Contact Name: MAGDY BAIADY
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: LOS ANGELES
Email: mbaady@waterboards.ca.gov
Phone Number: 2135766699

Global Id: T0603721588
Contact Type: Local Agency Caseworker
Contact Name: TIM SMITH
Organization Name: LOS ANGELES COUNTY
Address: 900 S. FREMONT AVE.
City: ALHAMBRA
Email: tsmith@dpw.lacounty.gov
Phone Number: Not reported

Global Id: T0603721588
Contact Type: Regional Board Caseworker
Contact Name: YI LU
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: Not reported
City: R4 UNKNOWN
Email: ylu@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0603721588
Action Type: Other
Date: 07/13/2003
Action: Leak Reported

Global Id: T0603721588
Action Type: ENFORCEMENT
Date: 12/17/2009
Action: Staff Letter

Global Id: T0603721588
Action Type: ENFORCEMENT
Date: 07/01/2011
Action: Notification - Preclosure

Global Id: T0603721588
Action Type: ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HARBOR DISTRIBUTION CENTER (Continued)

S102063463

Date: 08/01/2011
Action: Closure/No Further Action Letter

Global Id: T0603721588
Action Type: ENFORCEMENT
Date: 06/10/2011
Action: Site Visit / Inspection / Sampling

Global Id: T0603721588
Action Type: RESPONSE
Date: 01/18/2010
Action: Other Report / Document

Global Id: T0603721588
Action Type: Other
Date: 07/13/2003
Action: Leak Discovery

LUST:

Global Id: T0603721588
Status: Completed - Case Closed
Status Date: 08/01/2011

Global Id: T0603721588
Status: Open - Case Begin Date
Status Date: 07/13/2003

Global Id: T0603721588
Status: Open - Site Assessment
Status Date: 07/13/2003

LOS ANGELES CO. HMS:

Region: LA
Permit Category: T
Facility Id: 016116-021040
Facility Type: 0
Facility Status: Removed
Area: 22
Permit Number: 000073598
Permit Status: Removed

**L33
East
1/8-1/4
0.133 mi.
703 ft.**

**HARBOR DISTRIBUTION CENTER
16407 S MAIN ST
GARDENA, CA 90248
Site 2 of 3 in cluster L**

**UST U003777387
N/A**

**Relative:
Higher**

UST:
Facility ID: 21040
Permitting Agency: LOS ANGELES, CITY OF
Latitude: 33.8829
Longitude: -118.27583

**Actual:
44 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

34
North
1/8-1/4
0.141 mi.
746 ft.

DORN SPE INCORPORATED
333 W ALONDRA BLVD STE E
GARDENA, CA 90248

RCRA-SQG 1004676262
FINDS CAR000082990
ECHO

Relative:
Lower

RCRA-SQG:

Actual:
42 ft.

Date form received by agency: 09/22/2000
Facility name: DORN SPE INCORPORATED
Facility address: 333 W ALONDRA BLVD STE E
GARDENA, CA 90248
EPA ID: CAR000082990
Contact: STACY CHARSHAFIAN
Contact address: 333 W ALONDRA BLVD STE E
GARDENA, CA 90248
Contact country: US
Contact telephone: 310-523-3676
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: DORN SPE INCORPORATED
Owner/operator address: 333 W ALONDRA BLVD STE E
GARDENA, CA 90248
Owner/operator country: Not reported
Owner/operator telephone: 310-523-3676
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D039

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

EDR ID Number
 EPA ID Number

DORN SPE INCORPORATED (Continued)

1004676262

Waste name: TETRACHLOROETHYLENE

Violation Status: No violations found

FINDS:

Registry ID: 110012234992

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1004676262
 Registry ID: 110012234992
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110012234992>

**G35
 NNW
 1/8-1/4
 0.141 mi.
 746 ft.**

**TICORM INC
 355 W ALONDRA BLVD
 GARDENA, CA 90248
 Site 2 of 5 in cluster G**

**RCRA-SQG 1000412861
 SWF/LF CAD981626732
 FINDS
 ECHO
 WDS**

**Relative:
 Lower
 Actual:
 42 ft.**

RCRA-SQG:
 Date form received by agency: 10/08/1997
 Facility name: TICORM INC
 Facility address: 355 W ALONDRA BLVD
 GARDENA, CA 90248
 EPA ID: CAD981626732
 Mailing address: PO BOX 92
 TORRANCE, CA 90507
 Contact: BILL RUFFNER
 Contact address: 355 W ALONDRA BLVD
 GARDENA, CA 90248
 Contact country: US
 Contact telephone: 310-532-0419
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
 Owner/operator name: TICORM INC
 Owner/operator address: 355 W ALONDRA BLVD
 GARDENA, CA 90248

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TICORM INC (Continued)

1000412861

Owner/operator country: Not reported
Owner/operator telephone: 310-532-0419
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D000
. Waste name: Not Defined

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

Historical Generators:

Date form received by agency: 10/08/1997
Site name: TICORM INC
Classification: Small Quantity Generator

Date form received by agency: 09/01/1996
Site name: TICORM INC
Classification: Small Quantity Generator

Date form received by agency: 11/28/1986
Site name: TICORM INC
Classification: Large Quantity Generator

Violation Status: No violations found

SWF/LF (SWIS):

Facility ID: 19-AA-1116
Lat/Long: 33.8865 / -118.2803
Owner Name: Juan D. Rodriguez & Maricela Rodriguez
Owner Telephone: 3106802800
Owner Address: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TICORM INC (Continued)

1000412861

Owner Address2: 1135 E. Florence Ave.
Owner City,St,Zip: Inglewood, CA 90302
Operational Status: Active
Operator: RJ's Demolition and Disposal
Operator Phone: 3106802800
Operator Address: Not reported
Operator Address2: 1135 E. Florence Ave.
Operator City,St,Zip: Inglewood, CA 90302
Permit Date: 08/21/2010
Permit Status: Notification
Permitted Acreage: \$2.30
Activity: Chipping and Grinding Activity Fac./ Op.
Regulation Status: Notification
Landuse Name: Residential,Commercial
GIS Source: Map
Category: Composting
Unit Number: 01
Inspection Frequency: Quarterly
Accepted Waste: Green Materials,Wood waste
Closure Date: Not reported
Closure Type: Not reported
Disposal Acreage: Not reported
SWIS Num: 19-AA-1116
Waste Discharge Requirement Num: Not reported
Program Type: Not reported
Permitted Throughput with Units: 200
Actual Throughput with Units: Tons/day
Permitted Capacity with Units: 62600
Remaining Capacity: Not reported
Remaining Capacity with Units: Tons/year
Lat/Long: 33.8865 / -118.2803

FINDS:

Registry ID: 110009538385

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000412861
Registry ID: 110009538385
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110009538385>

WDS:

Facility ID: 4 19I012652
Facility Type: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

TICORM INC (Continued)

1000412861

Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.

NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board

Subregion: 4

Facility Telephone: Not reported

Facility Contact: Not reported

Agency Name: TICORM INC

Agency Address: Not reported

Agency City,St,Zip: 0

Agency Contact: Not reported

Agency Telephone: Not reported

Agency Type: Not reported

SIC Code: 0

SIC Code 2: Not reported

Primary Waste Type: Not reported

Primary Waste: Not reported

Waste Type2: Not reported

Waste2: Not reported

Primary Waste Type: Not reported

Secondary Waste: Not reported

Secondary Waste Type: Not reported

Design Flow: 0

Baseline Flow: 0

Reclamation: Not reported

POTW: Not reported

Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

**G36
 NNW
 1/8-1/4
 0.141 mi.
 746 ft.**

**TICORM INC
 355 W ALONDRA
 GARDENA, CA 90248
 Site 3 of 5 in cluster G**

**SWF/LF S112884508
 HAZNET N/A**

**Relative:
 Lower**

LOS ANGELES CO. LF:

**Actual:
 42 ft.**

Site ID: 2586

Alt. Address: Not reported

Site Contact: Not reported

Site Contact Phone: (310) 680-2800

Site Email: emiramontes@rjssupplies.com

Site Website: Not reported

Site Type: Chipping and Grinding

Site SWIS Number: 19-AA-1116

Beginning Operation Date: Not reported

Ending Operation Date: Not reported

Local Enforcement Agency: County of Los Angeles Department of Public Health

Maximun Depth Fill(Ft): Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TICORM INC (Continued)

S112884508

Permitted Capacity: 200
Present Use: Chipping and Grinding Activity Fac./ Op.
Remaining Capacity(Million): Not reported
Status: Active
Waste Accepted: Green Materials;
Hours of Operation: 6 AM to 6 PM M-F, 6 AM - 5 PM Sat
Disposal Area (Acre): Not reported

Detail As Of 01/2014:

Operator Name: RJ's Demolition and Disposal
Operator Address: 1135 E. FLORENCE AVE.
Operator City/State/Zip: Inglewood, Ca 90302
Operator Contact: Not reported
Operator Telephone: (310) 680-2800
Operator Email: elizabethr@rsupplies.com
Owner Name: RJs Demolition and Disposal
Owner Address: 1135 E. FLORENCE AVE.
Owner City/State/Zip: INGLEWOOD, Ca 90302
Owner Contact: Not reported
Owner Telephone: (310) 680-2800
Owner Email: elizabethr@rsupplies.com

HAZNET:

envid: S112884508
Year: 2013
GEPaid: CAL000362659
Contact: ALEJANDRO RODRIGUEZ
Telephone: 3106802800
Mailing Name: Not reported
Mailing Address: PO BOX 609
Mailing City,St,Zip: LAWNSDALE, CA 902600609
Gen County: Los Angeles
TSD EPA ID: AZR000501510
TSD County: 99
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Not reported

envid: S112884508
Year: 1997
GEPaid: CAC001353088
Contact: TICORM INC
Telephone: 3105320419
Mailing Name: Not reported
Mailing Address: 355 W ALONDRA
Mailing City,St,Zip: GARDENA, CA 902480000
Gen County: Not reported
TSD EPA ID: CAT080033681
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Other
Tons: 2.1000
Cat Decode: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

TICORM INC (Continued)

S112884508

Method Decode: Not reported
 Facility County: Los Angeles

**G37
 NNW
 1/8-1/4
 0.141 mi.
 746 ft.**

**RJS CHIPPING GRINDING
 355 W ALONDRA BLVD
 ROSEWOOD, CA 90248**

**HIST UST
 EMI
 NPDES**

**U001563160
 N/A**

Site 4 of 5 in cluster G

**Relative:
 Lower**

HIST UST:

**Actual:
 42 ft.**

File Number: 000267E8
 URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000267E8.pdf>
 Region: STATE
 Facility ID: 00000041462
 Facility Type: Other
 Other Type: MANUFACTURING
 Contact Name: LARRY STODDARD
 Telephone: 2133230478
 Owner Name: FLEETWOOD METALS INC
 Owner Address: 355 W ALONDRA BLVD
 Owner City,St,Zip: GARDENA, CA 90248
 Total Tanks: 0001

Tank Num: 001
 Container Num: 100
 Year Installed: 1970
 Tank Capacity: 00001000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Container Construction Thickness: 10
 Leak Detection: None

Click here for Geo Tracker PDF:

EMI:

Year: 1990
 County Code: 19
 Air Basin: SC
 Facility ID: 73511
 Air District Name: SC
 SIC Code: 3398
 Air District Name: SOUTH COAST AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1990
 County Code: 19
 Air Basin: SC
 Facility ID: 19549
 Air District Name: SC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RJS CHIPPING GRINDING (Continued)

U001563160

SIC Code: 3366
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1993
County Code: 19
Air Basin: SC
Facility ID: 19549
Air District Name: SC
SIC Code: 3366
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 19549
Air District Name: SC
SIC Code: 3366
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 73511
Air District Name: SC
SIC Code: 3398
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RJS CHIPPING GRINDING (Continued)

U001563160

Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

NPDES:

Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 4 19I022954
Regulatory Measure Type: Industrial
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Active
Status Date: 02/02/2016
Operator Name: RJs Demolition Disposal
Operator Address: 355 W Alondra Blvd
Operator City: Gardena
Operator State: California
Operator Zip: 90248

NPDES as of 03/2018:

NPDES Number: Not reported
Status: Not reported
Agency Number: Not reported
Region: 4
Regulatory Measure ID: 410489
Order Number: Not reported
Regulatory Measure Type: Industrial
Place ID: Not reported
WDID: 4 19I022954
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Received Date: 12/22/2010
Processed Date: 12/22/2010
Status: Active

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RJS CHIPPING GRINDING (Continued)

U001563160

Status Date: 02/02/2016
Place Size: 2.3
Place Size Unit: Acres
Contact: Juan D Rodriguez
Contact Title: Not reported
Contact Phone: 310-400-3160
Contact Phone Ext: Not reported
Contact Email: rjsdemolition@sbcglobal.net
Operator Name: RJs Demolition Disposal
Operator Address: 355 W Alondra Blvd
Operator City: Gardena
Operator State: California
Operator Zip: 90248
Operator Contact: Juan D Rodriguez
Operator Contact Title: Not reported
Operator Contact Phone: 310-680-2800
Operator Contact Phone Ext: Not reported
Operator Contact Email: rjsdemolition@sbcglobal.net
Operator Type: Private Business
Developer: Not reported
Developer Address: Not reported
Developer City: Not reported
Developer State: California
Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: Not reported
Emergency Phone Ext: Not reported
Constype Above Ground Ind: Not reported
Constype Below Ground Ind: Not reported
Constype Cable Line Ind: Not reported
Constype Comm Line Ind: Not reported
Constype Commercial Ind: Not reported
Constype Electrical Line Ind: Not reported
Constype Gas Line Ind: Not reported
Constype Industrial Ind: Not reported
Constype Other Description: Not reported
Constype Other Ind: Not reported
Constype Recons Ind: Not reported
Constype Residential Ind: Not reported
Constype Transport Ind: Not reported
Constype Utility Description: Not reported
Constype Utility Ind: Not reported
Constype Water Sewer Ind: Not reported
Dir Discharge Uswater Ind: N
Receiving Water Name: Dominguez Channel Los Angeles Harbor
Certifier: Cesar Leon
Certifier Title: Environmental Planner
Certification Date: 02-FEB-16
Primary Sic: 5093-Scrap and Waste Materials
Secondary Sic: Not reported
Tertiary Sic: Not reported

NPDES Number: CAS000001
Status: Active
Agency Number: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RJS CHIPPING GRINDING (Continued)

U001563160

Region: 4
Regulatory Measure ID: 410489
Order Number: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place ID: Not reported
WDID: 4 191022954
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 12/22/2010
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: RJs Demolition Disposal
Discharge Address: 355 W Alondra Blvd
Discharge City: Gardena
Discharge State: California
Discharge Zip: 90248
Received Date: Not reported
Processed Date: Not reported
Status: Not reported
Status Date: Not reported
Place Size: Not reported
Place Size Unit: Not reported
Contact: Not reported
Contact Title: Not reported
Contact Phone: Not reported
Contact Phone Ext: Not reported
Contact Email: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported
Operator Contact: Not reported
Operator Contact Title: Not reported
Operator Contact Phone: Not reported
Operator Contact Phone Ext: Not reported
Operator Contact Email: Not reported
Operator Type: Not reported
Developer: Not reported
Developer Address: Not reported
Developer City: Not reported
Developer State: Not reported
Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: Not reported
Emergency Phone Ext: Not reported
Constype Above Ground Ind: Not reported
Constype Below Ground Ind: Not reported
Constype Cable Line Ind: Not reported
Constype Comm Line Ind: Not reported
Constype Commercial Ind: Not reported
Constype Electrical Line Ind: Not reported
Constype Gas Line Ind: Not reported
Constype Industrial Ind: Not reported
Constype Other Description: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RJS CHIPPING GRINDING (Continued)

U001563160

Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	410489
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19I022954
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	12/22/2010
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	355 W Alondra Blvd
Discharge Name:	RJs Demolition Disposal
Discharge City:	Gardena
Discharge State:	California
Discharge Zip:	90248
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
NPDES as of 03/2018:	
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	410489
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I022954
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RJS CHIPPING GRINDING (Continued)

U001563160

Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Received Date: 12/22/2010
Processed Date: 12/22/2010
Status: Active
Status Date: 02/02/2016
Place Size: 2.3
Place Size Unit: Acres
Contact: Juan D Rodriguez
Contact Title: Not reported
Contact Phone: 310-400-3160
Contact Phone Ext: Not reported
Contact Email: rjsdemolition@sbcglobal.net
Operator Name: RJs Demolition Disposal
Operator Address: 355 W Alondra Blvd
Operator City: Gardena
Operator State: California
Operator Zip: 90248
Operator Contact: Juan D Rodriguez
Operator Contact Title: Not reported
Operator Contact Phone: 310-680-2800
Operator Contact Phone Ext: Not reported
Operator Contact Email: rjsdemolition@sbcglobal.net
Operator Type: Private Business
Developer: Not reported
Developer Address: Not reported
Developer City: Not reported
Developer State: California
Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: Not reported
Emergency Phone Ext: Not reported
Constype Above Ground Ind: Not reported
Constype Below Ground Ind: Not reported
Constype Cable Line Ind: Not reported
Constype Comm Line Ind: Not reported
Constype Commercial Ind: Not reported
Constype Electrical Line Ind: Not reported
Constype Gas Line Ind: Not reported
Constype Industrial Ind: Not reported
Constype Other Description: Not reported
Constype Other Ind: Not reported
Constype Recons Ind: Not reported
Constype Residential Ind: Not reported
Constype Transport Ind: Not reported
Constype Utility Description: Not reported
Constype Utility Ind: Not reported
Constype Water Sewer Ind: Not reported
Dir Discharge Uswater Ind: N
Receiving Water Name: Dominguez Channel Los Angeles Harbor
Certifier: Cesar Leon

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RJS CHIPPING GRINDING (Continued)

U001563160

Certifier Title: Environmental Planner
Certification Date: 02-FEB-16
Primary Sic: 5093-Scrap and Waste Materials
Secondary Sic: Not reported
Tertiary Sic: Not reported

NPDES Number: CAS000001
Status: Active
Agency Number: 0
Region: 4
Regulatory Measure ID: 410489
Order Number: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place ID: Not reported
WDID: 4 191022954
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 12/22/2010
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: RJs Demolition Disposal
Discharge Address: 355 W Alondra Blvd
Discharge City: Gardena
Discharge State: California
Discharge Zip: 90248
Received Date: Not reported
Processed Date: Not reported
Status: Not reported
Status Date: Not reported
Place Size: Not reported
Place Size Unit: Not reported
Contact: Not reported
Contact Title: Not reported
Contact Phone: Not reported
Contact Phone Ext: Not reported
Contact Email: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported
Operator Contact: Not reported
Operator Contact Title: Not reported
Operator Contact Phone: Not reported
Operator Contact Phone Ext: Not reported
Operator Contact Email: Not reported
Operator Type: Not reported
Developer: Not reported
Developer Address: Not reported
Developer City: Not reported
Developer State: Not reported
Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: Not reported
Emergency Phone Ext: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

RJS CHIPPING GRINDING (Continued)

U001563160

Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

G38
NNW
1/8-1/4
0.141 mi.
746 ft.

RJ'S DEMOLITION & DISPOSAL
355 W ALONDRA AVE
LOS ANGELES, CA 90248

AST A100423914
N/A

Site 5 of 5 in cluster G

Relative:
Lower
Actual:
42 ft.

AST:
 Certified Unified Program Agencies: Not reported
 Owner: JUAN D. RODRIGUEZ
 Total Gallons: Not reported
 CERSID: 10290283
 Facility ID: LACoFA0002425
 Business Name: RJ'S DEMOLITION & DISPOSAL
 Phone: (310) 680-2800
 Fax: Not reported
 Mailing Address: 355 W ALONDRA BLVD
 Mailing Address City: GARDENA
 Mailing Address State: CA
 Mailing Address Zip Code: 90248
 Operator Name: ALEJANDRO RODRIGUEZ
 Operator Phone: 310-400-3160
 Owner Phone: 310-400-3160
 Owner Mail Address: 355 W. ALONDRA BLVD
 Owner State: CA
 Owner Zip Code: 90248
 Owner Country: United States
 Property Owner Name: Not reported
 Property Owner Phone: Not reported
 Property Owner Mailing Address: Not reported
 Property Owner City: Not reported
 Property Owner Stat : Not reported
 Property Owner Zip Code: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

RJ'S DEMOLITION & DISPOSAL (Continued)

A100423914

Property Owner Country: Not reported
 EPAID: CAL000254519

J39
West
1/8-1/4
0.141 mi.
747 ft.

C+S SHELL SERVICE
16435 S FIGUEROA ST
GARDENA, CA 90248

Site 2 of 10 in cluster J

HIST UST **U001563142**
N/A

Relative:
Lower

Actual:
39 ft.

HIST UST:

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000003675
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	CONRAD S-KAGEYAMA,OWNER
Telephone:	2133278043
Owner Name:	CONRAD S.KAGEGAMA
Owner Address:	16435 S.FIGUEROA ST
Owner City,St,Zip:	GARDENA, CA 90248
Total Tanks:	0004

Tank Num:	001
Container Num:	1
Year Installed:	1966
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, 10

Tank Num:	002
Container Num:	2
Year Installed:	1966
Tank Capacity:	00000005
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, 10

Tank Num:	003
Container Num:	3
Year Installed:	1966
Tank Capacity:	00000005
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, 10

Tank Num:	004
Container Num:	4
Year Installed:	1966
Tank Capacity:	00000550
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	12
Leak Detection:	None

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

J40 **SM SERVICE STATION**
West **16435 SOUTH FIGUEROA STREET**
1/8-1/4 **GARDENA, CA 90248**
0.141 mi.
747 ft. **Site 3 of 10 in cluster J**

ENF **S105023878**
HIST CORTESE **N/A**
WDR
CIWQS

Relative:
Lower
Actual:
39 ft.

ENF:
 Region: 4
 Facility Id: 653692
 Agency Name: SM Service Station
 Place Type: Service/Commercial
 Place Subtype: Service/Commercial Site, NEC
 Facility Type: All other facilities
 Agency Type: Privately-Owned Business
 # Of Agencies: 1
 Place Latitude: 33.88213
 Place Longitude: -118.283
 SIC Code 1: 5541
 SIC Desc 1: Gasoline Service Stations
 SIC Code 2: Not reported
 SIC Desc 2: Not reported
 SIC Code 3: Not reported
 SIC Desc 3: Not reported
 NAICS Code 1: Not reported
 NAICS Desc 1: Not reported
 NAICS Code 2: Not reported
 NAICS Desc 2: Not reported
 NAICS Code 3: Not reported
 NAICS Desc 3: Not reported
 # Of Places: 1
 Source Of Facility: Reg Meas
 Design Flow: Not reported
 Threat To Water Quality: 3
 Complexity: A
 Pretreatment: X - Facility is not a POTW
 Facility Waste Type: Contaminated ground water
 Facility Waste Type 2: Not reported
 Facility Waste Type 3: Not reported
 Facility Waste Type 4: Not reported
 Program: WDRNONMUNIPRCS
 Program Category1: WDR
 Program Category2: WDR
 # Of Programs: 1
 WDID: 4B198600019
 Reg Measure Id: 327800
 Reg Measure Type: Enrollee
 Region: 4
 Order #: R4-2007-0019
 Npdes# CA#: Not reported
 Major-Minor: Not reported
 Npdes Type: Not reported
 Reclamation: N - No
 Dredge Fill Fee: Not reported
 301H: Not reported
 Application Fee Amt Received: 3380
 Status: Historical
 Status Date: 03/19/2014
 Effective Date: 06/20/2007
 Expiration/Review Date: 12/31/2012

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SM SERVICE STATION (Continued)

S105023878

Termination Date: 09/28/2011
WDR Review - Amend: Not reported
WDR Review - Revise/Renew: Not reported
WDR Review - Rescind: Not reported
WDR Review - No Action Required: Not reported
WDR Review - Pending: Not reported
WDR Review - Planned: Not reported
Status Enrollee: Y
Individual/General: I
Fee Code: 15 - WDRs pending rescission
Direction/Voice: Passive
Enforcement Id(EID): 369782
Region: 4
Order / Resolution Number: NOV
Enforcement Action Type: Notice of Violation
Effective Date: 07/28/2009
Adoption/Issuance Date: 07/28/2009
Achieve Date: Not reported
Termination Date: 07/28/2009
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Historical
Title: NOV sent 7/28/09 for 1 overdue report & 2 late reports.
Description: NOV sent 7/28/09 for 1 overdue report & 2 late reports.
Program: WDR
Latest Milestone Completion Date: Not reported
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 902480161

WDR:

Global ID: WDR100001013
Status: HISTORICAL - WDR

CIWQS:

Agency: SM Service Station
Agency Address: 16435 South Figueroa Street, Gardena, CA 90248
Place/Project Type: Service/Commercial Site, NEC
SIC/NAICS: 5541
Region: 4
Program: WDRNONMUNIPRCS
Regulatory Measure Status: Historical
Regulatory Measure Type: Enrollee
Order Number: R4-2007-0019
WDID: 4B198600019

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SM SERVICE STATION (Continued)

S105023878

NPDES Number: Not reported
 Adoption Date: Not reported
 Effective Date: 06/20/2007
 Termination Date: 09/28/2011
 Expiration/Review Date: 12/31/2012
 Design Flow: Not reported
 Major/Minor: Not reported
 Complexity: A
 TTWQ: 3
 Enforcement Actions within 5 years: 0
 Violations within 5 years: 0
 Latitude: 33.88213
 Longitude: -118.283

J41
West
1/8-1/4
0.141 mi.
747 ft.

S & M SERVICE STATION
16435 S FIGUEROA ST
GARDENA, CA 90248
Site 4 of 10 in cluster J

UST U003941435
N/A

Relative:
Lower
Actual:
39 ft.

UST:
 Facility ID: FA0006077
 Permitting Agency: Los Angeles City Fire Department
 Latitude: 33.88213
 Longitude: -118.283

J42
West
1/8-1/4
0.141 mi.
747 ft.

S & M SERVICE STATION
16435 S FIGUEROA ST
LOS ANGELES, CA 90248
Site 5 of 10 in cluster J

SWEEPS UST S101584056
CA FID UST N/A

Relative:
Lower
Actual:
39 ft.

SWEEPS UST:
 Status: Active
 Comp Number: 241
 Number: 9
 Board Of Equalization: 44-011072
 Referral Date: 01-15-93
 Action Date: 03-15-94
 Created Date: 02-29-88
 Owner Tank Id: Not reported
 SWRCB Tank Id: 19-050-000241-000001
 Tank Status: A
 Capacity: 8000
 Active Date: 04-20-88
 Tank Use: M.V. FUEL
 STG: P
 Content: REG UNLEADED
 Number Of Tanks: 4

Status: Active
 Comp Number: 241
 Number: 9
 Board Of Equalization: 44-011072
 Referral Date: 01-15-93
 Action Date: 03-15-94

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S & M SERVICE STATION (Continued)

S101584056

Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000241-000002
Tank Status: A
Capacity: 5
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 241
Number: 9
Board Of Equalization: 44-011072
Referral Date: 01-15-93
Action Date: 03-15-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000241-000003
Tank Status: A
Capacity: 5
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 241
Number: 9
Board Of Equalization: 44-011072
Referral Date: 01-15-93
Action Date: 03-15-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000241-000004
Tank Status: A
Capacity: 550
Active Date: 04-20-88
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 19008187
Regulated By: UTNKA
Regulated ID: 00003675
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2135325663
Mail To: Not reported
Mailing Address: 16435 S FIGUEROA ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 902480000
Contact: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S & M SERVICE STATION (Continued)

S101584056

Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

**H43
NW
1/8-1/4
0.143 mi.
754 ft.**

**PACIFIC SINTERED-NET
16100 S FIGUEROA ST
GARDENA, CA 90248**

**RCRA NonGen / NLR
FINDS
ECHO**

**1000250273
CAD990667628**

Site 4 of 5 in cluster H

**Relative:
Higher
Actual:
44 ft.**

RCRA NonGen / NLR:
Date form received by agency: 05/11/1998
Facility name: PACIFIC SINTERED-NET
Facility address: 16100 S FIGUEROA ST
GARDENA, CA 90248
EPA ID: CAD990667628
Contact: KAROLYN STONE
Contact address: 14000 AVALON BLVD
LOS ANGELES, CA 90061
Contact country: US
Contact telephone: 310-715-9800
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: PACIFIC METALLURGY INCORPORATED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACIFIC SINTERED-NET (Continued)

1000250273

Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 09/01/1996
Site name: PACIFIC SINTERED-NET
Classification: Small Quantity Generator

Date form received by agency: 02/28/1996
Site name: CAPSTAN PACIFIC
Classification: Large Quantity Generator

Date form received by agency: 10/23/1980
Site name: PACIFIC SINTERED-NET
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110009551519

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000250273
Registry ID: 110009551519
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110009551519>

H44
NW
1/8-1/4
0.143 mi.
754 ft.

ANTEX ELECTRONICS CORP
16100 SOUTH FIGUEROA ST
GARDENA, CA 90248

Site 5 of 5 in cluster H

RCRA-SQG 1000225628
FINDS CAD980888267
ECHO
HAZNET
LOS ANGELES CO. HMS

Relative:
Higher
Actual:
44 ft.

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: ANTEX ELECTRONICS CORP
Facility address: 16100 SOUTH FIGUEROA ST
GARDENA, CA 90248
EPA ID: CAD980888267
Contact: Not reported
Contact address: Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANTEX ELECTRONICS CORP (Continued)

1000225628

EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 09/19/1985
Site name: ANTEX ELECTRONICS CORP
Classification: Large Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANTEX ELECTRONICS CORP (Continued)

1000225628

Violation Status: No violations found

FINDS:

Registry ID: 110002674927

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000225628
Registry ID: 110002674927
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002674927>

HAZNET:

envid: 1000225628
Year: 1996
GEPaid: CAD980888267
Contact: JAMES P ANTRIM
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 1125 WEST 190TH STREET
Mailing City,St,Zip: GARDENA, CA 902480000
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Recycler
Tons: .1042
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000225628
Year: 1996
GEPaid: CAD980888267
Contact: JAMES P ANTRIM
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 1125 WEST 190TH STREET
Mailing City,St,Zip: GARDENA, CA 902480000
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: Recycler
Tons: .1042

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANTEX ELECTRONICS CORP (Continued)

1000225628

Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000225628
Year: 1995
GEPaid: CAD980888267
Contact: JAMES P ANTRIM
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 1125 WEST 190TH STREET
Mailing City,St,Zip: GARDENA, CA 902480000
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Recycler
Tons: .0500
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000225628
Year: 1995
GEPaid: CAD980888267
Contact: JAMES P ANTRIM
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 1125 WEST 190TH STREET
Mailing City,St,Zip: GARDENA, CA 902480000
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Recycler
Tons: .3127
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000225628
Year: 1995
GEPaid: CAD980888267
Contact: JAMES P ANTRIM
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 1125 WEST 190TH STREET
Mailing City,St,Zip: GARDENA, CA 902480000
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: Recycler
Tons: .2919
Cat Decode: Not reported
Method Decode: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANTEX ELECTRONICS CORP (Continued)

1000225628

Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access 2 additional CA_HAZNET: record(s) in the EDR Site Report.

LOS ANGELES CO. HMS:

Region: LA
Permit Category: Not reported
Facility Id: 023987-033332
Facility Type: Not reported
Facility Status: OPEN
Area: 22
Permit Number: Not reported
Permit Status: Not reported

J45
West
1/8-1/4
0.146 mi.
773 ft.

ROCKET #3
16503 FIGUEROA ST S
LOS ANGELES, CA 90248

LUST S102590748
N/A

Site 6 of 10 in cluster J

Relative:
Lower
Actual:
39 ft.

LUST:

Lead Agency: LOS ANGELES, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701285
Global Id: T0603701285
Latitude: 33.881798
Longitude: -118.2827421
Status: Completed - Case Closed
Status Date: 09/19/1997
Case Worker: EL
RB Case Number: 902480143
Local Agency: LOS ANGELES, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0603701285
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603701285
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROCKET #3 (Continued)

S102590748

LUST:

Global Id: T0603701285
Action Type: Other
Date: 05/21/1997
Action: Leak Reported

Global Id: T0603701285
Action Type: Other
Date: 05/19/1997
Action: Leak Discovery

Global Id: T0603701285
Action Type: Other
Date: 05/19/1997
Action: Leak Stopped

LUST:

Global Id: T0603701285
Status: Completed - Case Closed
Status Date: 09/19/1997

Global Id: T0603701285
Status: Open - Case Begin Date
Status Date: 05/19/1997

Global Id: T0603701285
Status: Open - Site Assessment
Status Date: 05/19/1997

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 902480143
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: OT
Global ID: T0603701285
W Global ID: Not reported
Staff: UNK
Local Agency: 19050
Cross Street: GARDENA BLVD
Enforcement Type: Not reported
Date Leak Discovered: 5/19/1997
Date Leak First Reported: 5/21/1997
Date Leak Record Entered: 6/18/1997
Date Confirmation Began: Not reported
Date Leak Stopped: 5/19/1997
Date Case Last Changed on Database: 9/19/1997
Date the Case was Closed: 9/19/1997
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ROCKET #3 (Continued)

S102590748

Cause of Leak: Not reported
 Leak Source: Piping
 Operator: Not reported
 Water System: Not reported
 Well Name: Not reported
 Approx. Dist To Production Well (ft): 6636.5595775044580451944237158
 Source of Cleanup Funding: Piping
 Preliminary Site Assessment Workplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: 5/19/1997
 Remediation Plan Submitted: Not reported
 Remedial Action Underway: Not reported
 Post Remedial Action Monitoring Began: Not reported
 Enforcement Action Date: Not reported
 Historical Max MTBE Date: Not reported
 Hist Max MTBE Conc in Groundwater: Not reported
 Hist Max MTBE Conc in Soil: Not reported
 Significant Interim Remedial Action Taken: Not reported
 GW Qualifier: Not reported
 Soil Qualifier: Not reported
 Organization: Not reported
 Owner Contact: Not reported
 Responsible Party: BUFORD T. SMITH TRUST
 RP Address: SAME ABOVE
 Program: LUST
 Lat/Long: 33.881798 / -1
 Local Agency Staff: PEJ
 Beneficial Use: Not reported
 Priority: Not reported
 Cleanup Fund Id: Not reported
 Suspended: Not reported
 Assigned Name: Not reported
 Summary: NO ACTION UNTIL FURTHER CHARACTERIZATION

I46
North
1/8-1/4
0.149 mi.
787 ft.

UNION OIL SERVICE STATION #495
305 W ALONDRA BLVD
GARDENA, CA 90248
Site 2 of 5 in cluster I

HIST UST U001563204
N/A

Relative:
Lower
Actual:
42 ft.

HIST UST:
 File Number: Not reported
 URL: Not reported
 Region: STATE
 Facility ID: 00000055306
 Facility Type: Gas Station
 Other Type: Not reported
 Contact Name: NESTOR O. INTROSSI
 Telephone: 2137708760
 Owner Name: UNION OIL COMPANY OF CALIFORNI
 Owner Address: 3701 WILSHIRE BOULEVARD - SUIT
 Owner City,St,Zip: LOS ANGELES, CA 90010
 Total Tanks: 0001

 Tank Num: 001
 Container Num: 4952-00
 Year Installed: Not reported
 Tank Capacity: 00000300

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNION OIL SERVICE STATION #495 (Continued)

U001563204

Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

I47
North
1/8-1/4
0.149 mi.
787 ft.

SERVICE STATION 4952
305 W ALONDRA
GARDENA, CA 90247

HIST UST

U001563109
N/A

Site 3 of 5 in cluster I

Relative:
Lower
Actual:
42 ft.

HIST UST:

File Number: 00029165
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00029165.pdf>
Region: STATE
Facility ID: 00000017440
Facility Type: Gas Station
Other Type: Not reported
Contact Name: NESTOR O INTROSST
Telephone: 2137708760
Owner Name: UNION OIL COMPANY OF CALIFORNI
Owner Address: 3701 WILSHIRE BOULEBARD - SUIT
Owner City,St,Zip: LOS ANGELES, CA 90010
Total Tanks: 0003

Tank Num: 001
Container Num: 4952-4
Year Installed: 1962
Tank Capacity: 00000280
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, Pressure Test

Tank Num: 002
Container Num: 4952-2
Year Installed: 1962
Tank Capacity: 00007500
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, Pressure Test

Tank Num: 003
Container Num: 4952-1
Year Installed: 1962
Tank Capacity: 00007500
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, Pressure Test

Click here for Geo Tracker PDF:

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

I48 North 1/8-1/4 0.149 mi. 787 ft.	UNION OIL SERVICE STATION 495 305 WEST ALONDRA GARDENA, CA 90248 Site 4 of 5 in cluster I	HIST UST	S118416442 N/A
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Relative: Lower Actual: 42 ft.	HIST UST: File Number: 0002815A URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002815A.pdf Region: Not reported Facility ID: Not reported Facility Type: Not reported Other Type: Not reported Contact Name: Not reported Telephone: Not reported Owner Name: Not reported Owner Address: Not reported Owner City,St,Zip: Not reported Total Tanks: Not reported Tank Num: Not reported Container Num: Not reported Year Installed: Not reported Tank Capacity: Not reported Tank Used for: Not reported Type of Fuel: Not reported Container Construction Thickness: Not reported Leak Detection: Not reported
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Click here for Geo Tracker PDF:

M49 WSW 1/8-1/4 0.150 mi. 792 ft.	GSP ACQUISITION CORP. DBA GARDENA SPECIALIZED PROC 16520 S FIGUEROA STREET GARDENA, CA 90248 Site 1 of 2 in cluster M	RCRA-LQG ENVIROSTOR CPS-SLIC EMI HAZNET LOS ANGELES CO. HMS NPDES WDS	1000187113 CAD981384837
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Relative: Lower Actual: 39 ft.	RCRA-LQG: Date form received by agency: 08/23/2017 Facility name: GSP ACQUISITION CORP. DBA GARDENA SPECIALIZED PROCESSING Facility address: 16520 S FIGUEROA STREET GARDENA, CA 90248 EPA ID: CAD981384837 Mailing address: S FIGUEROA STREET GARDENA, CA 90248 Contact: CAROLYNE A PADILLA Contact address: S FIGUEROA STREET GARDENA, CA 90248 Contact country: US Contact telephone: 310-532-9430 Telephone ext.: 507 Contact email: QAMANAGER@GARDENSPECIALIZEDPROCESSING.COM EPA Region: 09 Land type: Private Classification: Large Quantity Generator Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste
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Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

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GSP ACQUISITION CORP. DBA GARDENA SPECIALIZED PROCESSING (Continued)

1000187113

during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: GARDENA SPECIALIZED PROCESSING
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2009
Owner/Op end date: Not reported

Owner/operator name: FRANK PALMINTERI AND GARY BURDORF
Owner/operator address: S FIGUEROA STREET
GARDENA, CA 90248
Owner/operator country: US
Owner/operator telephone: 310-532-9430
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2008
Owner/Op end date: Not reported

Owner/operator name: TAMURA LAND CO LLC
Owner/operator address: SANTA CRUZ CT
TORRANCE, CA 90201
Owner/operator country: Not reported
Owner/operator telephone: 310-318-1691
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1950
Owner/Op end date: Not reported

Owner/operator name: MICHAEL D PALATAS
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

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EDR ID Number
EPA ID Number

GSP ACQUISITION CORP. DBA GARDENA SPECIALIZED PROCESSING (Continued)

1000187113

Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2010
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

Map ID
Direction
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Elevation

MAP FINDINGS

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GSP ACQUISITION CORP. DBA GARDENA SPECIALIZED PROCESSING (Continued)

1000187113

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Historical Generators:

Date form received by agency: 11/02/2016

Site name: GARDENA SPECIALIZED PROCESSING

Classification: Large Quantity Generator

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Map ID
Direction
Distance
Elevation

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GSP ACQUISITION CORP. DBA GARDENA SPECIALIZED PROCESSING (Continued)

1000187113

- . Waste code: D007
- . Waste name: CHROMIUM

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F006
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

- Date form received by agency: 03/01/2014
- Site name: GARDENA SPECIALIZED PROCESSING
- Classification: Large Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

- . Waste code: D002
- . Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

- . Waste code: D007
- . Waste name: CHROMIUM

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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GSP ACQUISITION CORP. DBA GARDENA SPECIALIZED PROCESSING (Continued)

1000187113

- . Waste code: D008
- . Waste name: LEAD

- . Waste code: F006
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Date form received by agency: 02/28/2012

Site name: GARDENA SPECIALIZED PROCESSING

Classification: Large Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

- . Waste code: D002
- . Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

- . Waste code: D006
- . Waste name: CADMIUM

- . Waste code: D007
- . Waste name: CHROMIUM

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F006
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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GSP ACQUISITION CORP. DBA GARDENA SPECIALIZED PROCESSING (Continued)

1000187113

STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Date form received by agency: 02/10/2008

Site name: GARDENA SPECIALIZED PROCESSING INC.

Classification: Large Quantity Generator

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Date form received by agency: 02/20/2006

Site name: GARDENA SPECIALIZED PROCESSING, INC.

Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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GSP ACQUISITION CORP. DBA GARDENA SPECIALIZED PROCESSING (Continued)

1000187113

WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Date form received by agency: 01/29/2002

Site name: GARDENA SPECIALIZED PROCESSING INC
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000

Site name: GARDENA SPECIALIZED PROC.
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996

Site name: GARDENA SPECIALIZED PROCESSING
Classification: Small Quantity Generator

Date form received by agency: 02/12/1986

Site name: GARDENA SPECIALIZED PROCESSING
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 09/24/2013
Date achieved compliance: 03/31/2014
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

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GSP ACQUISITION CORP. DBA GARDENA SPECIALIZED PROCESSING (Continued)

1000187113

Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 10/07/2010
Date achieved compliance: 10/07/2010
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/07/2010
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 08/14/2006
Date achieved compliance: 02/07/2007
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 02/21/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 250000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 08/14/2006
Date achieved compliance: 02/07/2007
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 06/12/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 250000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 08/14/2006
Date achieved compliance: 02/07/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/14/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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EDR ID Number
EPA ID Number

GSP ACQUISITION CORP. DBA GARDENA SPECIALIZED PROCESSING (Continued)

1000187113

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/15/2005
Date achieved compliance: 06/13/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/15/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/15/2005
Date achieved compliance: 06/13/2006
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 02/21/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 250000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/15/2005
Date achieved compliance: 06/13/2006
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/15/2005
Date achieved compliance: 06/13/2006
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 07/28/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GSP ACQUISITION CORP. DBA GARDENA SPECIALIZED PROCESSING (Continued)

1000187113

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/15/2005
Date achieved compliance: 05/07/2007
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 07/28/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/15/2005
Date achieved compliance: 05/07/2007
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/15/2005
Date achieved compliance: 05/07/2007
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 02/21/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 250000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/15/2005
Date achieved compliance: 05/07/2007
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 06/16/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GSP ACQUISITION CORP. DBA GARDENA SPECIALIZED PROCESSING (Continued)

1000187113

Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/15/2005
Date achieved compliance: 06/13/2006
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 06/12/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 250000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/15/2005
Date achieved compliance: 05/07/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/15/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/15/2005
Date achieved compliance: 05/07/2007
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 06/12/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 250000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/15/2005
Date achieved compliance: 06/13/2006
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 06/16/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GSP ACQUISITION CORP. DBA GARDENA SPECIALIZED PROCESSING (Continued)

1000187113

Regulation violated: FR - 262.41
Area of violation: Generators - General
Date violation determined: 08/30/2005
Date achieved compliance: 10/28/2005
Violation lead agency: EPA
Enforcement action: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Enforcement action date: 09/16/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.41
Area of violation: Generators - General
Date violation determined: 08/30/2005
Date achieved compliance: 10/28/2005
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 10/28/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.41
Area of violation: Generators - General
Date violation determined: 08/30/2005
Date achieved compliance: 10/28/2005
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 10/28/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 2200
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 09/24/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 03/31/2014
Evaluation lead agency: State

Evaluation date: 09/23/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/07/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GSP ACQUISITION CORP. DBA GARDENA SPECIALIZED PROCESSING (Continued)

1000187113

Area of violation: Generators - General
Date achieved compliance: 10/07/2010
Evaluation lead agency: State

Evaluation date: 02/07/2007
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/14/2006
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - Pre-transport
Date achieved compliance: 02/07/2007
Evaluation lead agency: State

Evaluation date: 11/15/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/13/2006
Evaluation lead agency: State

Evaluation date: 11/15/2005
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/15/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/07/2007
Evaluation lead agency: State

Evaluation date: 10/21/2005
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 08/30/2005
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 08/30/2005
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 10/28/2005
Evaluation lead agency: EPA

Evaluation date: 07/16/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GSP ACQUISITION CORP. DBA GARDENA SPECIALIZED PROCESSING (Continued)

1000187113

Evaluation date: 08/16/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

ENVIROSTOR:

Facility ID: 71003816
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.88131
Longitude: -118.2825
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD981384837
Alias Type: EPA Identification Number
Alias Name: 110002140246
Alias Type: EPA (FRS #)
Alias Name: 71003816
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GSP ACQUISITION CORP. DBA GARDENA SPECIALIZED PROCESSING (Continued)

1000187113

CPS-SLIC:

Region: STATE
Facility Status: Completed - Case Closed
Status Date: 12/29/2017
Global Id: T10000003409
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.8813166
Longitude: -118.2825414
Case Type: Cleanup Program Site
Case Worker: RV
Local Agency: Not reported
RB Case Number: 1270
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply, Indoor Air, Soil Vapor
Potential Contaminants of Concern: Tetrachloroethylene (PCE)
Site History: A metal anodizing business currently operates at the site. Several subsurface investigations have been conducted at the site, which indicate the subsurface is impacted by volatile organic compounds. A soil vapor extraction (SVE) system operated from February 2013 to July 2014 to remediate the subsurface soil. Soil, soil vapor and groundwater samples were collected in June 2015 to evaluate site conditions following operation of the SVE system.

[Click here to access the California GeoTracker records for this facility:](#)

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 22880
Air District Name: SC
SIC Code: 3479
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 22880
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GSP ACQUISITION CORP. DBA GARDENA SPECIALIZED PROCESSING (Continued)

1000187113

NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1993
County Code: 19
Air Basin: SC
Facility ID: 22880
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 22880
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

HAZNET:

envid: 1000187113
Year: 2017
GEPaid: CAD981384837
Contact: CAROLYNE A PADILLA
Telephone: 3105329430
Mailing Name: Not reported
Mailing Address: 16520 S FIGUEROA ST
Mailing City,St,Zip: GARDENA, CA 902480000
Gen County: Los Angeles
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.7
Cat Decode: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Decode: Fuel Blending Prior To Energy Recovery At Another Site
Facility County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GSP ACQUISITION CORP. DBA GARDENA SPECIALIZED PROCESSING (Continued)

1000187113

envid: 1000187113
Year: 2017
GEPaid: CAD981384837
Contact: CAROLYNE A PADILLA
Telephone: 3105329430
Mailing Name: Not reported
Mailing Address: 16520 S FIGUEROA ST
Mailing City,St,Zip: GARDENA, CA 902480000
Gen County: Los Angeles
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Liquids with pH <= 2
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Tons: 2.2935
Cat Decode: Liquids with pH <= 2
Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Facility County: Los Angeles

envid: 1000187113
Year: 2017
GEPaid: CAD981384837
Contact: CAROLYNE A PADILLA
Telephone: 3105329430
Mailing Name: Not reported
Mailing Address: 16520 S FIGUEROA ST
Mailing City,St,Zip: GARDENA, CA 902480000
Gen County: Los Angeles
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Tons: 0.375
Cat Decode: Other organic solids
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Facility County: Los Angeles

envid: 1000187113
Year: 2017
GEPaid: CAD981384837
Contact: CAROLYNE A PADILLA
Telephone: 3105329430
Mailing Name: Not reported
Mailing Address: 16520 S FIGUEROA ST
Mailing City,St,Zip: GARDENA, CA 902480000
Gen County: Los Angeles
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Tons: 0.555
Cat Decode: Off-specification, aged or surplus organics
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GSP ACQUISITION CORP. DBA GARDENA SPECIALIZED PROCESSING (Continued)

1000187113

Facility County: (H010-H129) Or (H131-H135)
Los Angeles

envid: 1000187113
Year: 2017
GEPaid: CAD981384837
Contact: CAROLYNE A PADILLA
Telephone: 3105329430
Mailing Name: Not reported
Mailing Address: 16520 S FIGUEROA ST
Mailing City,St,Zip: GARDENA, CA 902480000
Gen County: Los Angeles
TSD EPA ID: CAD097030993
TSD County: Los Angeles
Waste Category: Unspecified aqueous solution
Disposal Method: H070
Tons: 21
Cat Decode: Unspecified aqueous solution
Method Decode: Not reported
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
188 additional CA_HAZNET: record(s) in the EDR Site Report.

LOS ANGELES CO. HMS:

Region: LA
Permit Category: I
Facility Id: 006037-I06252
Facility Type: 01
Facility Status: Closed
Area: 22
Permit Number: 000005066
Permit Status: Closed

Region: LA
Permit Category: S
Facility Id: 006037-047739
Facility Type: S6
Facility Status: Closed
Area: 22
Permit Number: CGI000438
Permit Status: Closed

NPDES:

Facility Status: Active
NPDES Number: CAS000001
Region: 4
Agency Number: 0
Regulatory Measure ID: 365297
Place ID: Not reported
Order Number: 97-03-DWQ
WDID: 4 19I022146
Regulatory Measure Type: Enrollee
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 05/18/2009

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GSP ACQUISITION CORP. DBA GARDENA SPECIALIZED PROCESSING (Continued)

1000187113

Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: 16520 S Figueroa Street
Discharge Name: GSP Acquisition Corporation
Discharge City: Gardena
Discharge State: California
Discharge Zip: 90248
Status: Not reported
Status Date: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

NPDES as of 03/2018:

NPDES Number: Not reported
Status: Not reported
Agency Number: Not reported
Region: 4
Regulatory Measure ID: 365297
Order Number: Not reported
Regulatory Measure Type: Industrial
Place ID: Not reported
WDID: 4 19I022146
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Received Date: 05/14/2009
Processed Date: 05/18/2009
Status: Active
Status Date: 10/27/2015
Place Size: 10000
Place Size Unit: SqFt
Contact: Mike Palatas
Contact Title: President
Contact Phone: 310-532-9430
Contact Phone Ext: Not reported
Contact Email: mpalatas@gardenaspecializedprocessing.com
Operator Name: GSP Acquisition Corporation
Operator Address: 16520 S Figueroa Street
Operator City: Gardena
Operator State: California
Operator Zip: 90248
Operator Contact: Mike Palatas
Operator Contact Title: President
Operator Contact Phone: 310-532-9430
Operator Contact Phone Ext: Not reported
Operator Contact Email: mpalatas@gardenaspecializedprocessing.com
Operator Type: Private Business
Developer: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GSP ACQUISITION CORP. DBA GARDENA SPECIALIZED PROCESSING (Continued)

1000187113

Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	818-744-1328
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Pacific Ocean
Certifier:	Michael Palatas
Certifier Title:	President
Certification Date:	12-MAR-15
Primary Sic:	3471-Electroplating, Plating, Polishing, Anodizing, and Coloring
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	365297
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I022146
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	05/18/2009
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	GSP Acquisition Corporation
Discharge Address:	16520 S Figueroa Street
Discharge City:	Gardena
Discharge State:	California
Discharge Zip:	90248
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GSP ACQUISITION CORP. DBA GARDENA SPECIALIZED PROCESSING (Continued)

1000187113

Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GSP ACQUISITION CORP. DBA GARDENA SPECIALIZED PROCESSING (Continued)

1000187113

Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 4 19I022146
Regulatory Measure Type: Industrial
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Active
Status Date: 10/27/2015
Operator Name: GSP Acquisition Corporation
Operator Address: 16520 S Figueroa Street
Operator City: Gardena
Operator State: California
Operator Zip: 90248

NPDES as of 03/2018:

NPDES Number: Not reported
Status: Not reported
Agency Number: Not reported
Region: 4
Regulatory Measure ID: 365297
Order Number: Not reported
Regulatory Measure Type: Industrial
Place ID: Not reported
WDID: 4 19I022146
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Received Date: 05/14/2009
Processed Date: 05/18/2009
Status: Active
Status Date: 10/27/2015
Place Size: 10000
Place Size Unit: SqFt
Contact: Mike Palatas
Contact Title: President
Contact Phone: 310-532-9430
Contact Phone Ext: Not reported
Contact Email: mpalatas@gardenaspecializedprocessing.com
Operator Name: GSP Acquisition Corporation
Operator Address: 16520 S Figueroa Street
Operator City: Gardena

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GSP ACQUISITION CORP. DBA GARDENA SPECIALIZED PROCESSING (Continued)

1000187113

Operator State: California
Operator Zip: 90248
Operator Contact: Mike Palatas
Operator Contact Title: President
Operator Contact Phone: 310-532-9430
Operator Contact Phone Ext: Not reported
Operator Contact Email: mpalatas@gardenaspecializedprocessing.com
Operator Type: Private Business
Developer: Not reported
Developer Address: Not reported
Developer City: Not reported
Developer State: California
Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: 818-744-1328
Emergency Phone Ext: Not reported
Constype Above Ground Ind: Not reported
Constype Below Ground Ind: Not reported
Constype Cable Line Ind: Not reported
Constype Comm Line Ind: Not reported
Constype Commercial Ind: Not reported
Constype Electrical Line Ind: Not reported
Constype Gas Line Ind: Not reported
Constype Industrial Ind: Not reported
Constype Other Description: Not reported
Constype Other Ind: Not reported
Constype Recons Ind: Not reported
Constype Residential Ind: Not reported
Constype Transport Ind: Not reported
Constype Utility Description: Not reported
Constype Utility Ind: Not reported
Constype Water Sewer Ind: Not reported
Dir Discharge Uswater Ind: N
Receiving Water Name: Pacific Ocean
Certifier: Michael Palatas
Certifier Title: President
Certification Date: 12-MAR-15
Primary Sic: 3471-Electroplating, Plating, Polishing, Anodizing, and Coloring
Secondary Sic: Not reported
Tertiary Sic: Not reported

NPDES Number: CAS000001
Status: Active
Agency Number: 0
Region: 4
Regulatory Measure ID: 365297
Order Number: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place ID: Not reported
WDID: 4 19I022146
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 05/18/2009
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GSP ACQUISITION CORP. DBA GARDENA SPECIALIZED PROCESSING (Continued)

1000187113

Discharge Name:	GSP Acquisition Corporation
Discharge Address:	16520 S Figueroa Street
Discharge City:	Gardena
Discharge State:	California
Discharge Zip:	90248
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GSP ACQUISITION CORP. DBA GARDENA SPECIALIZED PROCESSING (Continued)

1000187113

Certification Date: Not reported
Primary Sic: Not reported
Secondary Sic: Not reported
Tertiary Sic: Not reported

WDS:

Facility ID: 4 19I000438
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: 3105329430
Facility Contact: GEORGE GALE
Agency Name: KAY M YODER
Agency Address: 16520 S Figueroa St
Agency City,St,Zip: Gardena 902482625
Agency Contact: GEORGE GALE
Agency Telephone: 3105329430
Agency Type: Private
SIC Code: 0
SIC Code 2: Not reported
Primary Waste Type: Not reported
Primary Waste: Not reported
Waste Type2: Not reported
Waste2: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

M50
WSW
1/8-1/4
0.150 mi.
792 ft.

GARDENA SPECIALIZED PROCESSING
16520 S. FIGUEROA ST.
GARDENA, CA 90248

Site 2 of 2 in cluster M

RCRA-LQG **1014387011**
ICIS **CAL000340561**
FINDS
ECHO

Relative:
Lower

RCRA-LQG:

Actual:
39 ft.

Date form received by agency: 05/27/2010
Facility name: GARDENA SPECIALIZED PROCESSING
Facility address: 16520 S. FIGUEROA ST.
GARDENA, CA 90248
EPA ID: CAL000340561
Mailing address: 16520 S. FIGUEROA
GARDENA, CA 90248
Contact: JAMES SPEAR
Contact address: 16520 S. FIGUEROA
GARDENA, CA 90248
Contact country: US
Contact telephone: 310-532-9430
Contact email: Not reported
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: GARDENA SPECIALIZED PROCESSING
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2009
Owner/Op end date: Not reported

Owner/operator name: GSP ACQUISITION CORPORATION
Owner/operator address: 16520 S. FIGUEROA
GARDENA, CA 90248
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARDENA SPECIALIZED PROCESSING (Continued)

1014387011

Owner/Op start date: 01/01/2009
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 723
. Waste name: Liquids with chromium (VI) > 500 mg/l

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARDENA SPECIALIZED PROCESSING (Continued)

1014387011

MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

ICIS:

Enforcement Action ID: 09-2006-0041
FRS ID: 110002140246
Action Name: Gardena Specialized Processing
Facility Name: GARDENA SPECIALIZED PROCESSING
Facility Address: 16520 S. FIGUEROA ST.
GARDENA, CA 90248
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty - Subtitle C Expedited Settlement Program
Facility County: LOS ANGELES
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 3008AE
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.881669
Longitude in Decimal Degrees: -118.282592
Permit Type Desc: Not reported
Program System Acronym: 8026621
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Facility Name: GARDENA SPECIALIZED PROCESSING INC
Address: 16520 S. FIGUEROA ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3471

Facility Name: GARDENA SPECIALIZED PROCESSING INC
Address: 16520 S. FIGUEROA ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3471

Facility Name: GARDENA SPECIALIZED PROCESSING INC
Address: 16520 S. FIGUEROA ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3471

Facility Name: GARDENA SPECIALIZED PROCESSING INC
Address: 16520 S. FIGUEROA ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARDENA SPECIALIZED PROCESSING (Continued)

1014387011

SIC Code: 3471

Facility Name: GARDENA SPECIALIZED PROCESSING INC
Address: 16520 S. FIGUEROA ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3471

Facility Name: GARDENA SPECIALIZED PROCESSING INC
Address: 16520 S. FIGUEROA ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3471

Facility Name: GARDENA SPECIALIZED PROCESSING INC
Address: 16520 S. FIGUEROA ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3471

Facility Name: GARDENA SPECIALIZED PROCESSING INC
Address: 16520 S. FIGUEROA ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3471

Facility Name: GARDENA SPECIALIZED PROCESSING INC
Address: 16520 S. FIGUEROA ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3471

FINDS:

Registry ID: 110002140246

Environmental Interest/Information System

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARDENA SPECIALIZED PROCESSING (Continued)

1014387011

limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

RISK AND TECHNOLOGY REVIEW

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

STATE MASTER

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Registry ID: 110070244739

Environmental Interest/Information System

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1014387011
Registry ID: 110002140246
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002140246>

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

**N51
NW
1/8-1/4
0.155 mi.
817 ft.**

**R & J PRINTING
16124 S FIGUEROA ST
GARDENA, CA 90248**

Site 1 of 8 in cluster N

**SWEEPS UST S101586371
HIST UST N/A
CA FID UST**

**Relative:
Higher**

SWEEPS UST:

**Actual:
45 ft.**

Status: Not reported
Comp Number: 2699
Number: Not reported
Board Of Equalization: 44-012456
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002699-000001
Tank Status: Not reported
Capacity: 1250
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: UNKNOWN
Number Of Tanks: 1

HIST UST:

File Number: 00027775
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027775.pdf>
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID: 19047450
Regulated By: UTNKA
Regulated ID: 00050506
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2133210787
Mail To: Not reported
Mailing Address: 29511 DRIFTWOOD LN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

R & J PRINTING (Continued)

S101586371

Mailing Address 2: Not reported
Mailing City,St,Zip: GARDENA 902480000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

**N52
NW
1/8-1/4
0.155 mi.
817 ft.**

**R.&J. PRINTING
16124 S FIGUEROA ST
GARDENA, CA 90248
Site 2 of 8 in cluster N**

**HIST UST U001563182
N/A**

**Relative:
Higher
Actual:
45 ft.**

HIST UST:
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000050506
Facility Type: Not reported
Other Type: PRINTING
Contact Name: JOHN OSTEN, PRES. (SUP.) KEITH
Telephone: 2133210787
Owner Name: DONALD M. PAULLIN
Owner Address: 29511 DRIFTWOOD LANE
Owner City,St,Zip: RANCHO PALOS VERDES, CA 90274
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1960
Tank Capacity: 00001250
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 2 1/2"
Leak Detection: Visual

**I53
North
1/8-1/4
0.157 mi.
830 ft.**

**ISKENDERIAN RACING CAMS
16020 S.BROADWAY
GARDENA, CA 90248
Site 5 of 5 in cluster I**

**ENVIROSTOR S107145647
N/A**

**Relative:
Higher
Actual:
43 ft.**

ENVIROSTOR:
Facility ID: 60000147
Status: Refer: 1248 Local Agency
Status Date: 06/19/2002
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: Not reported
NPL: NO
Regulatory Agencies: LA CNTY FIRE DEPT. (BILLING AND UST), LOS ANGELES COUNTY
Lead Agency: NONE SPECIFIED

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ISKENDERIAN RACING CAMS (Continued)

S107145647

Program Manager: Not reported
 Supervisor: * Greg Holmes
 Division Branch: Cleanup Cypress
 Assembly: 64
 Senate: 35
 Special Program: Not reported
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: Not Applicable
 Latitude: 33.88598
 Longitude: -118.2771
 APN: NONE SPECIFIED
 Past Use: NONE SPECIFIED
 Potential COC: NONE SPECIFIED
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: 60000147
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
 Completed Sub Area Name: Not reported
 Completed Document Type: Not reported
 Completed Date: Not reported
 Comments: Not reported

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

O54
ESE
1/8-1/4
0.161 mi.
851 ft.

HOROWITZ PROPERTY
16539 MAIN ST S
CARSON, CA 90248
Site 1 of 2 in cluster O

CPS-SLIC S120762567
N/A

Relative:
Lower
Actual:
42 ft.

CPS-SLIC:
 Region: STATE
Facility Status: Open - Site Assessment
 Status Date: 06/09/2014
 Global Id: T10000005859
 Lead Agency: LOS ANGELES RWQCB (REGION 4)
 Lead Agency Case Number: Not reported
 Latitude: 33.8808987
 Longitude: -118.2764331
 Case Type: Cleanup Program Site
 Case Worker: AH
 Local Agency: Not reported
 RB Case Number: R-21052
 File Location: Not reported
 Potential Media Affected: Not reported
 Potential Contaminants of Concern: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HOROWITZ PROPERTY (Continued)

S120762567

Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

**L55
East
1/8-1/4
0.162 mi.
854 ft.**

**WINDY CORP
106 W GARDENA BLVD
GARDENA, CA 90248**

**RCRA NonGen / NLR
FINDS
ECHO**

**1000193695
CAD050815935**

Site 3 of 3 in cluster L

**Relative:
Higher**

RCRA NonGen / NLR:

**Actual:
44 ft.**

Date form received by agency: 07/17/1980
Facility name: WINDY CORP
Facility address: 106 W GARDENA BLVD
GARDENA, CA 90248
EPA ID: CAD050815935
Mailing address: 106 W. GARDENA BLVD.
GARDENA, CA 90248
Contact: ENVIRONMENTAL MANAGER
Contact address: 106 W GARDENA BLVD
GARDENA, CA 90248
Contact country: US
Contact telephone: 213-532-5353
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WINDY CORP (Continued)

1000193695

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002648216

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000193695
Registry ID: 110002648216
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002648216>

P56
SSW
1/8-1/4
0.165 mi.
870 ft.

SMITH BROS CRANE RENTAL INC
411 W 168TH ST
GARDENA, CA 90248

SWEEPS UST **S101583102**
CA FID UST **N/A**
HAZNET

Site 1 of 7 in cluster P

Relative:
Lower
Actual:
39 ft.

SWEEPS UST:
Status: Active
Comp Number: 12936
Number: 1
Board Of Equalization: Not reported
Referral Date: 04-24-92
Action Date: 04-24-92
Created Date: 04-24-92
Owner Tank Id: 1
SWRCB Tank Id: 19-000-012936-000001
Tank Status: A
Capacity: 6000
Active Date: 04-24-92
Tank Use: M.V. FUEL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SMITH BROS CRANE RENTAL INC (Continued)

S101583102

STG: P
Content: DIESEL
Number Of Tanks: 5

Status: Active
Comp Number: 12936
Number: 1
Board Of Equalization: Not reported
Referral Date: 04-24-92
Action Date: 04-24-92
Created Date: 04-24-92
Owner Tank Id: 2
SWRCB Tank Id: 19-000-012936-000002
Tank Status: A
Capacity: 6000
Active Date: 04-24-92
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 12936
Number: 1
Board Of Equalization: Not reported
Referral Date: 04-24-92
Action Date: 04-24-92
Created Date: 04-24-92
Owner Tank Id: 3
SWRCB Tank Id: 19-000-012936-000003
Tank Status: A
Capacity: 2500
Active Date: 04-24-92
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 12936
Number: 1
Board Of Equalization: Not reported
Referral Date: 04-24-92
Action Date: 04-24-92
Created Date: 04-24-92
Owner Tank Id: 4
SWRCB Tank Id: 19-000-012936-000004
Tank Status: A
Capacity: 2500
Active Date: 04-24-92
Tank Use: EMPTY
STG: P
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 12936

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SMITH BROS CRANE RENTAL INC (Continued)

S101583102

Number: 1
Board Of Equalization: Not reported
Referral Date: 04-24-92
Action Date: 04-24-92
Created Date: 04-24-92
Owner Tank Id: 5
SWRCB Tank Id: 19-000-012936-000005
Tank Status: A
Capacity: 500
Active Date: 04-24-92
Tank Use: OIL
STG: W
Content: Not reported
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 19002642
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: 411 W 168TH ST
Mailing Address 2: Not reported
Mailing City,St,Zip: GARDENA 90248
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HAZNET:

envid: S101583102
Year: 2017
GEPaid: CAL000409373
Contact: AARON BARNHART
Telephone: 9515721200
Mailing Name: Not reported
Mailing Address: 13341 TEMESCAL CANYON RD
Mailing City,St,Zip: CORONA, CA 928830000
Gen County: Los Angeles
TSD EPA ID: CAD097030993
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.15
Cat Decode: Other organic solids
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

P57 **TAYLOR BUS SERVICE**
SSW **411 WEST 168TH STREET**
1/8-1/4 **GARDENA, CA 90248**
0.165 mi.
870 ft. **Site 2 of 7 in cluster P**

HIST UST **S118415941**
 N/A

Relative:
Lower
Actual:
39 ft.

HIST UST:
 File Number: 000289AD
 URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000289AD.pdf>
 Region: Not reported
 Facility ID: Not reported
 Facility Type: Not reported
 Other Type: Not reported
 Contact Name: Not reported
 Telephone: Not reported
 Owner Name: Not reported
 Owner Address: Not reported
 Owner City,St,Zip: Not reported
 Total Tanks: Not reported

 Tank Num: Not reported
 Container Num: Not reported
 Year Installed: Not reported
 Tank Capacity: Not reported
 Tank Used for: Not reported
 Type of Fuel: Not reported
 Container Construction Thickness: Not reported
 Leak Detection: Not reported

[Click here for Geo Tracker PDF:](#)

P58 **TAYLOR BUS SVC**
SSW **411 W 168TH ST**
1/8-1/4 **GARDENA, CA 90248**
0.165 mi.
870 ft. **Site 3 of 7 in cluster P**

RCRA-SQG **1000290757**
HIST UST **CAD981684376**
 FINDS
 ECHO

Relative:
Lower
Actual:
39 ft.

RCRA-SQG:
 Date form received by agency: 09/01/1996
 Facility name: TAYLOR BUS SVC
 Facility address: 411 W 168TH ST
 GARDENA, CA 90248
 EPA ID: CAD981684376
 Mailing address: W 168TH ST
 GARDENA, CA 90248

 Contact: Not reported
 Contact address: Not reported
 Not reported

 Contact country: US
 Contact telephone: Not reported
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TAYLOR BUS SVC (Continued)

1000290757

Owner/Operator Summary:

Owner/operator name: KEN MCCOY
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

HIST UST:

File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000068541
Facility Type: Other
Other Type: BUS SERVICE
Contact Name: Not reported
Telephone: 2135169653
Owner Name: TAYLOR BUS SERVICE
Owner Address: 917 EAST PACIFICO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TAYLOR BUS SVC (Continued)

1000290757

Owner City,St,Zip: ANAHEIM, CA 92805
Total Tanks: 0004

Tank Num: 001
Container Num: 1A
Year Installed: Not reported
Tank Capacity: 00002000
Tank Used for: WASTE
Type of Fuel: 1
Container Construction Thickness: X
Leak Detection: None

Tank Num: 002
Container Num: IB
Year Installed: Not reported
Tank Capacity: 00003750
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: IIB
Year Installed: Not reported
Tank Capacity: 00003750
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 004
Container Num: IC
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

FINDS:

Registry ID: 110002751638

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

TAYLOR BUS SVC (Continued)

1000290757

Envid: 1000290757
 Registry ID: 110002751638
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002751638>

J59
WSW
1/8-1/4
0.165 mi.
872 ft.

DONS TEXACO
16503 S FIGUEROA
GARDENA, CA 90248
Site 7 of 10 in cluster J

HIST UST **U001563154**
N/A

Relative:
Lower
Actual:
39 ft.

HIST UST:

File Number: 0002897F
 URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002897F.pdf>
 Region: STATE
 Facility ID: 00000002995
 Facility Type: Gas Station
 Other Type: Not reported
 Contact Name: DON KAHLER
 Telephone: 2133239338
 Owner Name: T. B. SMITH COMPANY
 Owner Address: 3500 SOUTH STREET
 Owner City,St,Zip: LAKEWOOD, CA 90712
 Total Tanks: 0004

Tank Num: 001
 Container Num: 1
 Year Installed: 1964
 Tank Capacity: 00004000
 Tank Used for: PRODUCT
 Type of Fuel: Not reported
 Container Construction Thickness: 0.267
 Leak Detection: Stock Inventor

Tank Num: 002
 Container Num: 2
 Year Installed: 1964
 Tank Capacity: 00004000
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Container Construction Thickness: 0.267
 Leak Detection: Stock Inventor

Tank Num: 003
 Container Num: 3
 Year Installed: 1964
 Tank Capacity: 00001000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Container Construction Thickness: 0.267
 Leak Detection: Stock Inventor

Tank Num: 004
 Container Num: 4
 Year Installed: 1964
 Tank Capacity: 00001000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Container Construction Thickness: 0.267

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DONS TEXACO (Continued)

U001563154

Leak Detection: Stock Inventor

[Click here for Geo Tracker PDF:](#)

J60
WSW
1/8-1/4
0.165 mi.
872 ft.

ROCKET #3
16503 FIGUEROA
GARDENA, CA 90248
Site 8 of 10 in cluster J

HIST CORTESE **S103634770**
N/A

Relative:
Lower
Actual:
39 ft.

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 902480143

J61
WSW
1/8-1/4
0.165 mi.
872 ft.

ROCKET OIL #3
16503 S FIGUEROA ST
GARDENA, CA 90248
Site 9 of 10 in cluster J

SWEEPS UST **S101587319**
CA FID UST **N/A**

Relative:
Lower
Actual:
39 ft.

SWEEPS UST:
Status: Active
Comp Number: 91
Number: 9
Board Of Equalization: 44-010957
Referral Date: 11-30-92
Action Date: 02-17-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000091-000001
Tank Status: A
Capacity: 4000
Active Date: 04-20-88
Tank Use: CHEMICAL
STG: P
Content: UNKNOWN
Number Of Tanks: 4

Status: Active
Comp Number: 91
Number: 9
Board Of Equalization: 44-010957
Referral Date: 11-30-92
Action Date: 02-17-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000091-000002
Tank Status: A
Capacity: 4000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROCKET OIL #3 (Continued)

S101587319

Status: Active
Comp Number: 91
Number: 9
Board Of Equalization: 44-010957
Referral Date: 11-30-92
Action Date: 02-17-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000091-000003
Tank Status: A
Capacity: 1000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 91
Number: 9
Board Of Equalization: 44-010957
Referral Date: 11-30-92
Action Date: 02-17-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000091-000004
Tank Status: A
Capacity: 1000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 19055277
Regulated By: UTNKA
Regulated ID: 00002995
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2133239338
Mail To: Not reported
Mailing Address: 4102 PACIFIC AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: GARDENA 902480000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J62 **ROCKET OIL #3 PAMELA HARPER**
WSW **16503 S FIGUEROA ST**
1/8-1/4 **GARDENA, CA 90248**
0.165 mi.
872 ft. **Site 10 of 10 in cluster J**

UST **U003941374**
 N/A

Relative: **UST:**
Lower Facility ID: FA0025974
 Permitting Agency: Los Angeles City Fire Department
Actual: Latitude: 33.88153
39 ft. Longitude: -118.28294

 Facility ID: 23896
 Permitting Agency: LOS ANGELES, CITY OF
 Latitude: 33.8829013
 Longitude: -118.2815587

Q63 **KORSON ENTERPRISES**
South **307 168TH ST W**
1/8-1/4 **CARSON, CA 90248**
0.172 mi.
909 ft. **Site 1 of 3 in cluster Q**

LUST **S102432288**
HIST CORTESE **N/A**

Relative: **LUST:**
Lower Lead Agency: LOS ANGELES RWQCB (REGION 4)
Actual: Case Type: LUST Cleanup Site
40 ft. Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704146
 Global Id: T0603704146
 Latitude: 33.879782
 Longitude: -118.278478
 Status: Completed - Case Closed
 Status Date: 12/05/1996
 Case Worker: YR
 RB Case Number: I-14226
 Local Agency: LOS ANGELES COUNTY
 File Location: Not reported
 Local Case Number: Not reported
 Potential Media Affect: Soil
 Potential Contaminants of Concern: Diesel
 Site History: Not reported

LUST:
Global Id: T0603704146
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603704146
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KORSON ENTERPRISES (Continued)

S102432288

LUST:

Global Id: T0603704146
Action Type: Other
Date: 04/19/1990
Action: Leak Reported

Global Id: T0603704146
Action Type: Other
Date: 10/27/1989
Action: Leak Discovery

Global Id: T0603704146
Action Type: Other
Date: 10/27/1989
Action: Leak Stopped

LUST:

Global Id: T0603704146
Status: Completed - Case Closed
Status Date: 12/05/1996

Global Id: T0603704146
Status: Open - Case Begin Date
Status Date: 10/27/1989

Global Id: T0603704146
Status: Open - Site Assessment
Status Date: 04/19/1990

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-14226
Status: Case Closed
Substance: Diesel
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704146
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: BROADWAY AVE
Enforcement Type: Not reported
Date Leak Discovered: 10/27/1989
Date Leak First Reported: 4/19/1990
Date Leak Record Entered: 6/10/1990
Date Confirmation Began: Not reported
Date Leak Stopped: 10/27/1989
Date Case Last Changed on Database: 11/20/1996
Date the Case was Closed: 12/5/1996
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KORSON ENTERPRISES (Continued)

S102432288

Cause of Leak: UNK
Leak Source: UNK
Operator: KORSON, MARTIN
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 7594.3253083876643133430647522
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 4/19/1990
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: KORSON ENTERPRISES
RP Address: 9592 STONINGTON CR., HUNTINGTON BEACH, 92646
Program: LUST
Lat/Long: 33.8795851 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-14226

K64
South
1/8-1/4
0.175 mi.
922 ft.

MARSMAN LIU
339 W 168TH ST
CARSON, CA 90746

Site 3 of 3 in cluster K

SWEEPS UST S102056134
LOS ANGELES CO. HMS N/A

Relative:
Lower
Actual:
39 ft.

SWEEPS UST:
Status: Active
Comp Number: 13020
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARSMAN LIU (Continued)

S102056134

Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:

Region: LA
Permit Category: Not reported
Facility Id: 012817-013020
Facility Type: Not reported
Facility Status: Removed
Area: 22
Permit Number: Not reported
Permit Status: Not reported

Q65
South
1/8-1/4
0.177 mi.
934 ft.

NA COM/MARTIN KORSON
307 W 168TH ST
CARSON, CA 90823
Site 2 of 3 in cluster Q

SWEEPS UST **S102056047**
LOS ANGELES CO. HMS **N/A**

Relative:
Lower
Actual:
40 ft.

SWEEPS UST:
Status: Not reported
Comp Number: 14226
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-014226-000001
Tank Status: Not reported
Capacity: 2000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: 3

Status: Not reported
Comp Number: 14226
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-014226-000002
Tank Status: Not reported
Capacity: 7000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NA COM/MARTIN KORSON (Continued)

S102056047

Status: Not reported
Comp Number: 14226
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-014226-000003
Tank Status: Not reported
Capacity: 7000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:

Region: LA
Permit Category: T
Facility Id: 013793-014226
Facility Type: 0
Facility Status: Removed
Area: 22
Permit Number: 000177142
Permit Status: Removed

**N66
NW
1/8-1/4
0.177 mi.
936 ft.**

**ARCO #5090
16101 FIGUEROA ST
ROSEWOOD, CA 90248**

**LUST S105024607
HIST CORTESE N/A**

Site 3 of 8 in cluster N

**Relative:
Higher
Actual:
46 ft.**

LUST:
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603705094
Global Id: T0603705094
Latitude: 33.8854729
Longitude: -118.2829122
Status: Completed - Case Closed
Status Date: 07/25/1996
Case Worker: YR
RB Case Number: R-12072
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603705094
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCO #5090 (Continued)

S105024607

Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603705094
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0603705094
Action Type: Other
Date: 08/17/1987
Action: Leak Reported

LUST:

Global Id: T0603705094
Status: Completed - Case Closed
Status Date: 07/25/1996

Global Id: T0603705094
Status: Open - Case Begin Date
Status Date: 08/17/1987

Global Id: T0603705094
Status: Open - Remediation
Status Date: 01/07/1992

Global Id: T0603705094
Status: Open - Remediation
Status Date: 04/01/1996

Global Id: T0603705094
Status: Open - Site Assessment
Status Date: 01/26/1996

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-12072

**N67
NW
1/8-1/4
0.177 mi.
936 ft.**

**ZENEN GUTIERREZ
16101 S FIGUEROA ST
GARDENA, CA 90247
Site 4 of 8 in cluster N**

**HIST UST U001563129
N/A**

**Relative:
Higher
Actual:
46 ft.**

HIST UST:
File Number: 000264C3
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000264C3.pdf>
Region: STATE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ZENEN GUTIERREZ (Continued)

U001563129

Facility ID: 0000026782
Facility Type: Gas Station
Other Type: Not reported
Contact Name: Not reported
Telephone: 0000000000
Owner Name: ARCO PETROLEUM PRODUCTS CO.
Owner Address: 515 SOUTH FLOWER STREET
Owner City,St,Zip: LOS ANGELES, CA 90071
Total Tanks: 0005

Tank Num: 001
Container Num: 0000000001
Year Installed: 1974
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, 10

Tank Num: 002
Container Num: 0000000002
Year Installed: 1957
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: 0000167
Leak Detection: Stock Inventor, 10

Tank Num: 003
Container Num: 0000000003
Year Installed: 1957
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: 0000167
Leak Detection: Stock Inventor, 10

Tank Num: 004
Container Num: 0000000004
Year Installed: 1957
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: 0000167
Leak Detection: Stock Inventor, 10

Tank Num: 005
Container Num: 0000000005
Year Installed: Not reported
Tank Capacity: 00000380
Tank Used for: PRODUCT
Type of Fuel: WASTE OIL
Container Construction Thickness: 0000093
Leak Detection: Stock Inventor

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ZENEN GUTIERREZ (Continued)

U001563129

[Click here for Geo Tracker PDF:](#)

N68
NW
1/8-1/4
0.177 mi.
936 ft.

ARCO #5090
16101 FIGUEROA ST
ROSEWOOD, CA 90248
Site 5 of 8 in cluster N

LUST S101296993
N/A

Relative:
Higher
Actual:
46 ft.

LUST REG 4:
 Region: 4
 Regional Board: 04
 County: Los Angeles
 Facility Id: R-12072
 Status: Case Closed
 Substance: Gasoline
 Substance Quantity: Not reported
 Local Case No: Not reported
 Case Type: Groundwater
 Abatement Method Used at the Site: GTFPVE
 Global ID: T0603705094
 W Global ID: Not reported
 Staff: UNK
 Local Agency: 19000
 Cross Street: ALONDRA
 Enforcement Type: Not reported
 Date Leak Discovered: Not reported
 Date Leak First Reported: 8/17/1987
 Date Leak Record Entered: 3/10/1988
 Date Confirmation Began: Not reported
 Date Leak Stopped: Not reported
 Date Case Last Changed on Database: 12/20/1996
 Date the Case was Closed: 7/25/1996
 How Leak Discovered: Not reported
 How Leak Stopped: Not reported
 Cause of Leak: Not reported
 Leak Source: Not reported
 Operator: OLD CASE #902480089
 Water System: Not reported
 Well Name: Not reported
 Approx. Dist To Production Well (ft): 5296.2772004336206497149345184
 Source of Cleanup Funding: Not reported
 Preliminary Site Assessment Workplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: 1/26/1996
 Remediation Plan Submitted: 4/1/1996
 Remedial Action Underway: 1/7/1992
 Post Remedial Action Monitoring Began: Not reported
 Enforcement Action Date: Not reported
 Historical Max MTBE Date: Not reported
 Hist Max MTBE Conc in Groundwater: Not reported
 Hist Max MTBE Conc in Soil: Not reported
 Significant Interim Remedial Action Taken: Yes
 GW Qualifier: Not reported
 Soil Qualifier: Not reported
 Organization: Not reported
 Owner Contact: Not reported
 Responsible Party: ARCO PRODUCTS CO
 RP Address: P.O. BOX 5077, BUENA PARK CA 90622-5077

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCO #5090 (Continued)

S101296993

Program: LUST
Lat/Long: 33.8854729 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

**N69
NW
1/8-1/4
0.177 mi.
936 ft.**

**ARCO PRODUCTS #05090
16101 S FIGUEROA ST
LOS ANGELES, CA 90248
Site 6 of 8 in cluster N**

**SWEEPS UST S102063402
LOS ANGELES CO. HMS N/A**

**Relative:
Higher
Actual:
46 ft.**

SWEEPS UST:
Status: Active
Comp Number: 12072
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-012072-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 5

Status: Active
Comp Number: 12072
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-012072-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 12072
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCO PRODUCTS #05090 (Continued)

S102063402

Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-012072-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 12072
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-012072-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 12072
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-012072-000005
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:

Region: LA
Permit Category: T
Facility Id: 011992-012072
Facility Type: 0
Facility Status: Removed
Area: 2F
Permit Number: 00003703T
Permit Status: Removed

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

N70
NW
1/8-1/4
0.177 mi.
936 ft.

ZENEN GUTIERREZ
16101 S FIGUEROA ST
GARDENA, CA 90247

SWEEPS UST **S101617680**
CA FID UST **N/A**

Site 7 of 8 in cluster N

Relative:
Higher
Actual:
46 ft.

SWEEPS UST:

Status:	Not reported
Comp Number:	1619
Number:	Not reported
Board Of Equalization:	44-000506
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001619-000001
Tank Status:	Not reported
Capacity:	6000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	UNKNOWN
Number Of Tanks:	5

Status:	Not reported
Comp Number:	1619
Number:	Not reported
Board Of Equalization:	44-000506
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001619-000002
Tank Status:	Not reported
Capacity:	4000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	UNKNOWN
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	1619
Number:	Not reported
Board Of Equalization:	44-000506
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001619-000003
Tank Status:	Not reported
Capacity:	4000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	UNKNOWN
Number Of Tanks:	Not reported

Status:	Not reported
---------	--------------

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ZENEN GUTIERREZ (Continued)

S101617680

Comp Number: 1619
Number: Not reported
Board Of Equalization: 44-000506
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001619-000004
Tank Status: Not reported
Capacity: 4000
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 1619
Number: Not reported
Board Of Equalization: 44-000506
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001619-000005
Tank Status: Not reported
Capacity: 380
Active Date: Not reported
Tank Use: OIL
STG: WASTE
Content: WASTE OIL
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 19001534
Regulated By: UTKNI
Regulated ID: 00026782
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2133270897
Mail To: Not reported
Mailing Address: 515 S FLOWER ST
Mailing Address 2: Not reported
Mailing City,St,Zip: GARDENA 902470000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

P71
SSW
1/8-1/4
0.181 mi.
956 ft.

SMITH BROTHERS CRANE RENTAL
411 168TH ST W
CARSON, CA 90248
Site 4 of 7 in cluster P

LUST S103891101
N/A

Relative:
Lower
Actual:
38 ft.

LUST:
Lead Agency: LOS ANGELES COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603705171
Global Id: T0603705171
Latitude: 33.8800669
Longitude: -118.280444
Status: Completed - Case Closed
Status Date: 07/01/1993
Case Worker: JOA
RB Case Number: R-12936
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
Site History: Not reported

LUST:
Global Id: T0603705171
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603705171
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603705171
Action Type: Other
Date: 12/15/1992
Action: Leak Reported

Global Id: T0603705171
Action Type: Other
Date: 12/01/1992
Action: Leak Discovery

LUST:
Global Id: T0603705171
Status: Completed - Case Closed
Status Date: 07/01/1993

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SMITH BROTHERS CRANE RENTAL (Continued)

S103891101

Global Id: T0603705171
Status: Open - Case Begin Date
Status Date: 12/01/1992

Global Id: T0603705171
Status: Open - Site Assessment
Status Date: 12/01/1992

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-12936
Status: Case Closed
Substance: Hydrocarbons
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603705171
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: 12/1/1992
Date Leak First Reported: 12/15/1992
Date Leak Record Entered: 2/19/1993
Date Confirmation Began: 12/1/1992
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 6/28/1993
Date the Case was Closed: 7/1/1993
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: Tank
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 7254.9709411382776270398475742
Source of Cleanup Funding: Tank
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SMITH BROTHERS CRANE RENTAL (Continued)

S103891101

Responsible Party: CLIFTON JAMAL DENNIS SMITH
 RP Address: 411 168TH ST., CARSON, CA 90248
 Program: LUST
 Lat/Long: 33.879529 / -1
 Local Agency Staff: Not reported
 Beneficial Use: Not reported
 Priority: Not reported
 Cleanup Fund Id: Not reported
 Suspended: Not reported
 Assigned Name: Not reported
 Summary: OLD CASE #120994-14 PER DAVE
 E. 6/18/98 SITE CLOSED ON 7/1/93

P72
SSW
1/8-1/4
0.181 mi.
956 ft.

SMITH BROTHERS CRANE RENT
411 168TH
CARSON, CA

HIST CORTESE

S101307318
N/A

Site 5 of 7 in cluster P

Relative:
Lower
Actual:
38 ft.

HIST CORTESE:
 Region: CORTESE
 Facility County Code: 19
 Reg By: LTNKA
 Reg Id: R-12936

N73
NW
1/8-1/4
0.189 mi.
996 ft.

LOUIS F. DE MARTINI ESTATE
509 ALONDRA
GARDENA, CA 90248

CPS-SLIC

S103546797
N/A

Site 8 of 8 in cluster N

Relative:
Higher
Actual:
46 ft.

SLIC REG 4:
 Region: 4
 Facility Status: No further action required
 SLIC: 0596
 Substance: VOCs
 Staff: Not reported

P74
SSW
1/8-1/4
0.189 mi.
997 ft.

ELLIS & VANS' FOUNDRY, INC.
358 W 168TH ST
GARDENA, CA 90248

SWEEPS UST
HIST UST
EMI

U001563156
N/A

Site 6 of 7 in cluster P

Relative:
Lower
Actual:
38 ft.

SWEEPS UST:
 Status: Active
 Comp Number: 5776
 Number: 9
 Board Of Equalization: Not reported
 Referral Date: 07-01-91
 Action Date: 07-01-91
 Created Date: 06-30-89
 Owner Tank Id: 001
 SWRCB Tank Id: 19-000-005776-000001
 Tank Status: A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS & VANS' FOUNDRY, INC. (Continued)

U001563156

Capacity: 1800
Active Date: 07-01-91
Tank Use: OIL
STG: P
Content: Not reported
Number Of Tanks: 1

HIST UST:

File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000003148
Facility Type: Other
Other Type: MFG.(FOUNDRY)
Contact Name: W.S. VAN DE WEGHE
Telephone: 2133212370
Owner Name: ELLIS & VANS' FOUNDRY, INC.
Owner Address: 358 W. 168TH, STREET
Owner City,St,Zip: GARDENA, CA 90248
Total Tanks: 0003

Tank Num: 001
Container Num: 01
Year Installed: 1960
Tank Capacity: 00001500
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 002
Container Num: 02
Year Installed: 1963
Tank Capacity: 00000400
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6"
Leak Detection: Visual

Tank Num: 003
Container Num: 03
Year Installed: 1964
Tank Capacity: 00002400
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 6"
Leak Detection: Visual, Stock Inventor

EMI:

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 22866
Air District Name: SC
SIC Code: 3365
Air District Name: SOUTH COAST AQMD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS & VANS' FOUNDRY, INC. (Continued)

U001563156

Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 2
Part. Matter 10 Micrometers and Smllr Tons/Yr:2

P75
SSW
1/8-1/4
0.189 mi.
997 ft.

HANSEN'S WELDING INC
358 WEST 168TH STREET
GARDENA, CA 90248
Site 7 of 7 in cluster P

HIST UST **S113074216**
HAZNET **N/A**

Relative:
Lower
Actual:
38 ft.

HIST UST:
File Number: 0002645B
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002645B.pdf>
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

HAZNET:
envid: S113074216
Year: 2002
GEPaid: CAL000130818
Contact: GARY HANSEN/OWNER
Telephone: 6612980504
Mailing Name: Not reported
Mailing Address: 358 W 168TH ST
Mailing City,St,Zip: GARDENA, CA 902482621
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Recycler
Tons: 1.75
Cat Decode: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HANSEN'S WELDING INC (Continued)

S113074216

Method Decode: Not reported
Facility County: Los Angeles

envid: S113074216
Year: 2002
GEPaid: CAL000130818
Contact: GARY HANSEN/OWNER
Telephone: 6612980504
Mailing Name: Not reported
Mailing Address: 358 W 168TH ST
Mailing City,St,Zip: GARDENA, CA 902482621
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Recycler
Tons: 0.41
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113074216
Year: 2002
GEPaid: CAL000130818
Contact: GARY HANSEN/OWNER
Telephone: 6612980504
Mailing Name: Not reported
Mailing Address: 358 W 168TH ST
Mailing City,St,Zip: GARDENA, CA 902482621
Gen County: Not reported
TSD EPA ID: CAT080033681
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Recycler
Tons: 1.5
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

R76 ANVIL IRON INC
SSE 137 W 168TH ST
1/8-1/4 GARDENA, CA 90248
0.190 mi.
1003 ft. Site 1 of 6 in cluster R

UST U001563136
HIST UST N/A

Relative: UST:
Lower Facility ID: 5604
Permitting Agency: LOS ANGELES, CITY OF
Actual: Latitude: 33.881361
39 ft. Longitude: -118.275762

HIST UST:
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000050979
Facility Type: Other

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANVIL IRON INC (Continued)

U001563136

Other Type: STEEL CONTRACTOR
Contact Name: ROBERT P. SHALLENBERGER
Telephone: 2133295811
Owner Name: ANVIL IRON, INC.
Owner Address: 146 WEST 168TH STREET
Owner City,St,Zip: GARDENA, CA 90248
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: 10

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: 10

R77
SSE
1/8-1/4
0.190 mi.
1003 ft.

AMERICAN CONTRACTING SERVICES
137 WEST 168TH ST
GARDENA, CA 90248
Site 2 of 6 in cluster R

HIST UST **S118407437**
N/A

Relative:
Lower
Actual:
39 ft.

HIST UST:
File Number: 000262EC
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000262EC.pdf>
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

R78 **JENNAT CORP**
SSE **137 W 168TH ST**
1/8-1/4 **CARSON, CA 90248**
0.190 mi.
1003 ft. **Site 3 of 6 in cluster R**

LUST **S104912959**
LOS ANGELES CO. HMS **N/A**

Relative:
Lower
Actual:
39 ft.

LUST:

Lead Agency: SWRCB
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603721529
Global Id: T0603721529
Latitude: 33.880096
Longitude: -118.27717
Status: Completed - Case Closed
Status Date: 05/31/2016
Case Worker: MC
RB Case Number: Not reported
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: There is a State Water Board closure Order for this case issued 9/10/2014. The State Water Board needs confirmation that the corrective action wells and wastes have been removed from the site in order to close the case. Once confirmation has been received State Water Board can issue a Uniform Closure Letter and close the case. Attempts to reach the RP have failed. gwl 4/14/2016.

LUST:

Global Id: T0603721529
Contact Type: Local Agency Caseworker
Contact Name: KATTYA BATRES RINZE
Organization Name: LOS ANGELES COUNTY
Address: 900 SOUTH FREMONT AVE
City: ALHAMBRA
Email: gbatres@dpw.lacounty.gov
Phone Number: Not reported

Global Id: T0603721529
Contact Type: Regional Board Caseworker
Contact Name: MATTHEW COHEN
Organization Name: SWRCB
Address: 1001 I Street
City: SACRAMENTO
Email: mcohen@waterboards.ca.gov
Phone Number: 9163415751

LUST:

Global Id: T0603721529
Action Type: ENFORCEMENT
Date: 05/31/2016
Action: Closure/No Further Action Letter

Global Id: T0603721529
Action Type: Other
Date: 09/16/1987
Action: Leak Reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JENNAT CORP (Continued)

S104912959

Global Id: T0603721529
Action Type: ENFORCEMENT
Date: 05/22/2008
Action: File review

Global Id: T0603721529
Action Type: ENFORCEMENT
Date: 06/25/2013
Action: Referral to Regional Board

Global Id: T0603721529
Action Type: ENFORCEMENT
Date: 04/24/2008
Action: Staff Letter

Global Id: T0603721529
Action Type: ENFORCEMENT
Date: 09/10/2014
Action: State Water Board Closure Order

Global Id: T0603721529
Action Type: ENFORCEMENT
Date: 05/21/2014
Action: Notification - Public Notice of Case Closure

Global Id: T0603721529
Action Type: Other
Date: 08/24/1987
Action: Leak Discovery

Global Id: T0603721529
Action Type: RESPONSE
Date: 04/26/2016
Action: Tank Removal Report / UST Sampling Report

LUST:

Global Id: T0603721529
Status: Completed - Case Closed
Status Date: 05/31/2016

Global Id: T0603721529
Status: Open - Case Begin Date
Status Date: 08/24/1987

Global Id: T0603721529
Status: Open - Eligible for Closure
Status Date: 12/09/2013

Global Id: T0603721529
Status: Open - Eligible for Closure
Status Date: 09/10/2014

Global Id: T0603721529
Status: Open - Site Assessment
Status Date: 03/18/2008

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JENNAT CORP (Continued)

S104912959

LOS ANGELES CO. HMS:

Region: LA
Permit Category: I
Facility Id: 005403-I05604
Facility Type: 00
Facility Status: Closed
Area: 22
Permit Number: 00003196C
Permit Status: Closed

R79
SSE
1/8-1/4
0.190 mi.
1003 ft.

ANVIL IRON INC
137 W 168TH ST
CARSON, CA 90248
Site 4 of 6 in cluster R

SWEEPS UST **S101617682**
CA FID UST **N/A**
EMI
LOS ANGELES CO. HMS

Relative:
Lower
Actual:
39 ft.

SWEEPS UST:

Status: Active
Comp Number: 5604
Number: 9
Board Of Equalization: 44-007953
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-005604-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 3

Status: Active
Comp Number: 5604
Number: 9
Board Of Equalization: 44-007953
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-005604-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 5604
Number: 9
Board Of Equalization: 44-007953
Referral Date: 06-30-89
Action Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANVIL IRON INC (Continued)

S101617682

Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-005604-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 19004804
Regulated By: UTNKA
Regulated ID: 00050979
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8180000000
Mail To: Not reported
Mailing Address: 137 W 168TH ST
Mailing Address 2: Not reported
Mailing City,St,Zip: CARSON
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 46691
Air District Name: SC
SIC Code: 3441
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 46691
Air District Name: SC
SIC Code: 0
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANVIL IRON INC (Continued)

S101617682

Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

LOS ANGELES CO. HMS:

Region: LA
Permit Category: T
Facility Id: 005403-005604
Facility Type: 0
Facility Status: Removed
Area: 22
Permit Number: 00001761T
Permit Status: Removed

Region: LA
Permit Category: T
Facility Id: 005403-005604
Facility Type: 0
Facility Status: Removed
Area: 22
Permit Number: 0000T1761
Permit Status: Removed

R80 ANVIL IRON, INC
SSE 137 W 168TH ST
1/8-1/4 GARDENA, CA 90248
0.190 mi.
1003 ft. Site 5 of 6 in cluster R

HIST UST U001563134
EMI N/A

Relative: HIST UST:
Lower File Number: Not reported
URL: Not reported
Actual: Region: STATE
39 ft. Facility ID: 00000008040
Facility Type: Other
Other Type: ROOFING CONTRACTOR
Contact Name: CRAIG WOODWORTH
Telephone: 2137700155
Owner Name: AMERICAN CONTRACTING SERVICES,
Owner Address: 16519 SO. BROADWAY
Owner City,St,Zip: GARDENA, CA 90248
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANVIL IRON, INC (Continued)

U001563134

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

EMI:

Year: 1993
County Code: 19
Air Basin: SC
Facility ID: 46691
Air District Name: SC
SIC Code: 9999
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 46691
Air District Name: SC
SIC Code: 9999
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

R81
SSE
1/8-1/4
0.190 mi.
1003 ft.

ANVIL IRON INC
137 WEST 168TH STREET
GARDENA, CA 90248
Site 6 of 6 in cluster R

HIST UST **S118407516**
N/A

Relative:
Lower
Actual:
39 ft.

HIST UST:
File Number: 0002639C
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002639C.pdf>
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ANVIL IRON INC (Continued)

S118407516

Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

[Click here for Geo Tracker PDF:](#)

O82
ESE
1/8-1/4
0.191 mi.
1007 ft.

HOROWITZ PROPERTY, T1000005859
16539 S. MAIN STREET
CARSON, CA 90248

ENVIROSTOR **S121263866**
VCP **N/A**

Site 2 of 2 in cluster O

Relative:
Lower
Actual:
42 ft.

ENVIROSTOR:

Facility ID:	60002527
Status:	Active
Status Date:	08/07/2017
Site Code:	401790
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	1.73
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Amit Pathak
Supervisor:	Yolanda Garza
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	, 64
Senate:	, 35
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.88121
Longitude:	-118.2762
APN:	6126-003-003
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	6126-003-003
Alias Type:	APN
Alias Name:	401790
Alias Type:	Project Code (Site Code)
Alias Name:	60002527
Alias Type:	Envirostor ID Number

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HOROWITZ PROPERTY, T1000005859 (Continued)

S121263866

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 10/30/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 11/20/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 05/18/2018
Comments: Concur with additional comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 09/20/2017
Comments: Fully Executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/10/2017
Comments: Coordinated with DTSC Tribal Representative

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/04/2018
Comments: FY 1819 Estimate: \$10,881

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 11/24/2017
Comments: HARP Finalized

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/28/2018
Comments: Revised FY 18/19 Estimate: \$16,570

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Site Characterization Report
Future Due Date: 2019
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HOROWITZ PROPERTY, T1000005859 (Continued)

S121263866

Schedule Revised Date: Not reported

VCP:

Facility ID: 60002527
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.73
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Amit Pathak
Supervisor: Yolanda Garza
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 401790
Assembly: , 64
Senate: , 35
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 08/07/2017
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.88121 / -118.2762
APN: 6126-003-003
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 6126-003-003
Alias Type: APN
Alias Name: 401790
Alias Type: Project Code (Site Code)
Alias Name: 60002527
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 10/30/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 11/20/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 05/18/2018
Comments: Concur with additional comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

HOROWITZ PROPERTY, T1000005859 (Continued)

S121263866

Completed Document Type: Voluntary Cleanup Agreement
 Completed Date: 09/20/2017
 Comments: Fully Executed.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Correspondence
 Completed Date: 10/10/2017
 Comments: Coordinated with DTSC Tribal Representative

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Annual Oversight Cost Estimate
 Completed Date: 09/04/2018
 Comments: FY 1819 Estimate: \$10,881

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Pre-HARP Form
 Completed Date: 11/24/2017
 Comments: HARP Finalized

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Annual Oversight Cost Estimate
 Completed Date: 09/28/2018
 Comments: Revised FY 18/19 Estimate: \$16,570

Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Site Characterization Report
 Future Due Date: 2019
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

Q83
South
1/8-1/4
0.191 mi.
1008 ft.

LANCE MFG CO INC
16801 S BROADWAY
GARDENA, CA 90248

Site 3 of 3 in cluster Q

RCRA NonGen / NLR **1000819379**
FINDS **CAD983653601**
ECHO
HAZNET

Relative:
Lower
Actual:
39 ft.

RCRA NonGen / NLR:
 Date form received by agency: 03/19/1996
 Facility name: LANCE MFG CO INC
 Facility address: 16801 S BROADWAY
 GARDENA, CA 90248
 EPA ID: CAD983653601
 Contact: CRAIG BENDER
 Contact address: 18093 S FIGUERA ST
 GARDENA, CA 90248-4601
 Contact country: US
 Contact telephone: 310-323-4601
 Contact email: Not reported
 EPA Region: 09
 Classification: Non-Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LANCE MFG CO INC (Continued)

1000819379

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: LANCE MG CO INC
Owner/operator address: 16801 S BROADWAY
GARDENA, CA 90248
Owner/operator country: Not reported
Owner/operator telephone: 310-323-4601
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002888242

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000819379
Registry ID: 110002888242
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002888242>

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LANCE MFG CO INC (Continued)

1000819379

HAZNET:

envid: 1000819379
Year: 2001
GEPaid: CAD983653601
Contact: INACT PER 96 VQ AD
Telephone: --
Mailing Name: Not reported
Mailing Address: 16801 S BROADWAY
Mailing City,St,Zip: GARDENA, CA 902480000
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 0.14
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000819379
Year: 2000
GEPaid: CAD983653601
Contact: INACT PER 96 VQ AD
Telephone: --
Mailing Name: Not reported
Mailing Address: 16801 S BROADWAY
Mailing City,St,Zip: GARDENA, CA 902480000
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 0.45
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000819379
Year: 1999
GEPaid: CAD983653601
Contact: LANCE MG CO INC
Telephone: 3103234601
Mailing Name: Not reported
Mailing Address: 16801 S BROADWAY
Mailing City,St,Zip: GARDENA, CA 902480000
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: .3127
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000819379
Year: 1994

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LANCE MFG CO INC (Continued)

1000819379

GEPaid: CAD983653601
 Contact: LANCE MG CO INC
 Telephone: 3103234601
 Mailing Name: Not reported
 Mailing Address: 16801 S BROADWAY
 Mailing City,St,Zip: GARDENA, CA 902480000
 Gen County: Not reported
 TSD EPA ID: NVT330010000
 TSD County: Not reported
 Waste Category: Polychlorinated biphenyls and material containing PCBs
 Disposal Method: Not reported
 Tons: .1251
 Cat Decode: Not reported
 Method Decode: Not reported
 Facility County: Los Angeles

**S84
 ENE
 1/8-1/4
 0.209 mi.
 1101 ft.**

**IC COMPOUND
 120 E 163RD
 CARSON, CA 90247
 Site 1 of 7 in cluster S**

**CA FID UST S101586516
 N/A**

**Relative:
 Higher
 Actual:
 47 ft.**

CA FID UST:
 Facility ID: 19053097
 Regulated By: UTNKA
 Regulated ID: Not reported
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 2133236210
 Mail To: Not reported
 Mailing Address: 120 E 163RD
 Mailing Address 2: Not reported
 Mailing City,St,Zip: GARDENA 90247
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

Facility ID: 19053097
 Regulated By: UTNKA
 Regulated ID: 00017146
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 2133236210
 Mail To: Not reported
 Mailing Address: 120 E 163RD ST
 Mailing Address 2: Not reported
 Mailing City,St,Zip: CARSON 90247
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T85
NE
1/8-1/4
0.214 mi.
1132 ft.

AMERICAN HONDA MOTOR CO
100 ALONDRA BLVD W
CARSON, CA 90248

LUST **S101295754**
HIST CORTESE **N/A**

Site 1 of 2 in cluster T

Relative:
Higher

Actual:
47 ft.

LUST:

Lead Agency: LOS ANGELES COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603703081
Global Id: T0603703081
Latitude: 33.884739
Longitude: -118.277114
Status: Completed - Case Closed
Status Date: 01/15/1992
Case Worker: JOA
RB Case Number: I-05543
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0603703081
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603703081
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0603703081
Action Type: Other
Date: 12/31/1990
Action: Leak Reported

Global Id: T0603703081
Action Type: Other
Date: 12/10/1990
Action: Leak Discovery

Global Id: T0603703081
Action Type: Other
Date: 12/10/1990
Action: Leak Stopped

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN HONDA MOTOR CO (Continued)

S101295754

LUST:

Global Id: T0603703081
Status: Completed - Case Closed
Status Date: 01/15/1992

Global Id: T0603703081
Status: Open - Case Begin Date
Status Date: 12/10/1990

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-05543
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603703081
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: MAIN ST
Enforcement Type: Not reported
Date Leak Discovered: 12/10/1990
Date Leak First Reported: 12/31/1990
Date Leak Record Entered: 1/24/1991
Date Confirmation Began: Not reported
Date Leak Stopped: 12/10/1990
Date Case Last Changed on Database: 1/24/1991
Date the Case was Closed: 1/15/1992
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: SELLERS, GARTH
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 5654.3719139133731779995666877
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN HONDA MOTOR CO (Continued)

S101295754

Organization: Not reported
Owner Contact: Not reported
Responsible Party: AMERICAN HONDA MOTOR CO.
RP Address: 100 ALONDRA BLVD, W., CARSON, 90248
Program: LUST
Lat/Long: 33.885761 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: OLD CASE #012491-19

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-05543

86
ESE
1/8-1/4
0.216 mi.
1139 ft.

GRAPHIC PRINTS INC
16540 S MAIN ST
GARDENA, CA 90248

Relative:
Lower

Actual:
42 ft.

RCRA-SQG 1000347177
SWEEPS UST CAD020750493
FINDS
ECHO
EMI
HAZNET
LOS ANGELES CO. HMS
NPDES

RCRA-SQG:

Date form received by agency: 09/01/1996
Facility name: GRAPHIC PRINTS INC
Facility address: 16540 S MAIN ST
GARDENA, CA 90249
EPA ID: CAD020750493
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRAPHIC PRINTS INC (Continued)

1000347177

Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: MARTIN HOROWITZ
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 12/06/1985
Site name: GRAPHIC PRINTS INC
Classification: Large Quantity Generator

Violation Status: No violations found

SWEEPS UST:

Status: Active
Comp Number: 3277
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-003277-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRAPHIC PRINTS INC (Continued)

1000347177

STG: W
Content: Not reported
Number Of Tanks: 1

FINDS:

Registry ID: 110002423645

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000347177
Registry ID: 110002423645
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002423645>

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 19316
Air District Name: SC
SIC Code: 2396
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 17
Reactive Organic Gases Tons/Yr: 17
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 19316
Air District Name: SC
SIC Code: 2396
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRAPHIC PRINTS INC (Continued)

1000347177

Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 17
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1993
County Code: 19
Air Basin: SC
Facility ID: 19316
Air District Name: SC
SIC Code: 2396
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 5
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 19316
Air District Name: SC
SIC Code: 2396
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 5
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1996
County Code: 19
Air Basin: SC
Facility ID: 19316
Air District Name: SC
SIC Code: 2396
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRAPHIC PRINTS INC (Continued)

1000347177

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2002
County Code: 19
Air Basin: SC
Facility ID: 19316
Air District Name: SC
SIC Code: 2261
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2003
County Code: 19
Air Basin: SC
Facility ID: 19316
Air District Name: SC
SIC Code: 2261
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2004
County Code: 19
Air Basin: SC
Facility ID: 19316
Air District Name: SC
SIC Code: 2261
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.0426
Reactive Organic Gases Tons/Yr: 0.02
Carbon Monoxide Emissions Tons/Yr: 0.0899
NOX - Oxides of Nitrogen Tons/Yr: 0.334
SOX - Oxides of Sulphur Tons/Yr: 0.00213
Particulate Matter Tons/Yr: 0.0193
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.02

HAZNET:
envid: 1000347177
Year: 2017

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRAPHIC PRINTS INC (Continued)

1000347177

GEPaid: CAL000413313
Contact: KAY DORAN
Telephone: 3103240415
Mailing Name: Not reported
Mailing Address: 16540 S MAIN ST
Mailing City,St,Zip: GARDENA, CA 90248
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Tons: 2.2935
Cat Decode: Unspecified oil-containing waste
Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Facility County: Los Angeles

envid: 1000347177
Year: 2017
GEPaid: CAL000413313
Contact: KAY DORAN
Telephone: 3103240415
Mailing Name: Not reported
Mailing Address: 16540 S MAIN ST
Mailing City,St,Zip: GARDENA, CA 90248
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Waste oil and mixed oil
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Tons: 2.09
Cat Decode: Waste oil and mixed oil
Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Facility County: Los Angeles

envid: 1000347177
Year: 2016
GEPaid: CAL000413313
Contact: KAY DORAN
Telephone: 3103240415
Mailing Name: Not reported
Mailing Address: 16540 S MAIN ST
Mailing City,St,Zip: GARDENA, CA 90248
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Tons: 0.135
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRAPHIC PRINTS INC (Continued)

1000347177

envid: 1000347177
Year: 2015
GEPaid: CAL000413313
Contact: KAY DORAN
Telephone: 3103240415
Mailing Name: Not reported
Mailing Address: 16540 S MAIN ST
Mailing City,St,Zip: GARDENA, CA 90248
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Tons: 1.14675
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000347177
Year: 2011
GEPaid: CAD020750493
Contact: CAROLINE S BUAN OFC MGR
Telephone: 3107680474
Mailing Name: Not reported
Mailing Address: 16540 S MAIN ST
Mailing City,St,Zip: GARDENA, CA 902480000
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Tons: 3.78
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
18 additional CA_HAZNET: record(s) in the EDR Site Report.

LOS ANGELES CO. HMS:

Region: LA
Permit Category: I
Facility Id: 003163-058217
Facility Type: 01
Facility Status: Permit
Area: 22
Permit Number: 000794142
Permit Status: Permit

NPDES:

Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRAPHIC PRINTS INC (Continued)

1000347177

Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19NEC002814
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	10/17/2018
Operator Name:	Freedom Performance Exhaust
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
NPDES as of 03/2018:	
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	481233
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19NEC002814
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	12/13/2016
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Freedom Performance Exhaust
Discharge Address:	16540 S Main Street
Discharge City:	Carson
Discharge State:	California
Discharge Zip:	90248
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRAPHIC PRINTS INC (Continued)

1000347177

Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	481233
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19NEC002814
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRAPHIC PRINTS INC (Continued)

1000347177

Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	12/05/2016
Processed Date:	12/13/2016
Status:	Active
Status Date:	12/13/2016
Place Size:	60792
Place Size Unit:	SqFt
Contact:	KAY DORAN
Contact Title:	GENERAL MANAGER
Contact Phone:	3103240415
Contact Phone Ext:	1006
Contact Email:	KAY@FREEDOMPERFORM.COM
Operator Name:	Freedom Performance Exhaust
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Private Individual
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-324-0415
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Kay Doran
Certifier Title:	General Manager
Certification Date:	05-DEC-16

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRAPHIC PRINTS INC (Continued)

1000347177

Primary Sic: 3751-Motorcycles, Bicycles, and Parts
Secondary Sic: Not reported
Tertiary Sic: Not reported

Facility Status: Terminated
NPDES Number: CAS000001
Region: 4
Agency Number: 0
Regulatory Measure ID: 481233
Place ID: Not reported
Order Number: 97-03-DWQ
WDID: 4 19NEC002814
Regulatory Measure Type: Enrollee
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 12/13/2016
Termination Date Of Regulatory Measure: 10/17/2018
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: 16540 S Main Street
Discharge Name: Freedom Performance Exhaust
Discharge City: Carson
Discharge State: California
Discharge Zip: 90248
Status: Not reported
Status Date: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

NPDES as of 03/2018:
NPDES Number: CAS000001
Status: Active
Agency Number: 0
Region: 4
Regulatory Measure ID: 481233
Order Number: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place ID: Not reported
WDID: 4 19NEC002814
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 12/13/2016
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Freedom Performance Exhaust
Discharge Address: 16540 S Main Street
Discharge City: Carson
Discharge State: California
Discharge Zip: 90248
Received Date: Not reported
Processed Date: Not reported
Status: Not reported
Status Date: Not reported
Place Size: Not reported
Place Size Unit: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRAPHIC PRINTS INC (Continued)

1000347177

Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	481233
Order Number:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRAPHIC PRINTS INC (Continued)

1000347177

Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19NEC002814
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	12/05/2016
Processed Date:	12/13/2016
Status:	Active
Status Date:	12/13/2016
Place Size:	60792
Place Size Unit:	SqFt
Contact:	KAY DORAN
Contact Title:	GENERAL MANAGER
Contact Phone:	3103240415
Contact Phone Ext:	1006
Contact Email:	KAY@FREEDOMPERFORM.COM
Operator Name:	Freedom Performance Exhaust
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Private Individual
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-324-0415
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

GRAPHIC PRINTS INC (Continued)

1000347177

Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Kay Doran
Certifier Title:	General Manager
Certification Date:	05-DEC-16
Primary Sic:	3751-Motorcycles, Bicycles, and Parts
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

**U87
 NW
 1/8-1/4
 0.220 mi.
 1159 ft.**

**BARON-BLAKESLEE INC.
 525 ALONDRA
 GARDENA, CA 90248**

**HIST CORTESE S104159693
 N/A**

Site 1 of 2 in cluster U

**Relative:
 Higher
 Actual:
 47 ft.**

HIST CORTESE:	
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	R-04043

**U88
 NW
 1/8-1/4
 0.220 mi.
 1159 ft.**

**BARON-BLAKESLEE INC.
 525 ALONDRA BLVD E
 ROSEWOOD, CA 90248**

**LUST S105051315
 N/A**

Site 2 of 2 in cluster U

**Relative:
 Higher
 Actual:
 47 ft.**

LUST REG 4:	
Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	R-04043
Status:	Pollution Characterization
Substance:	Solvents
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Groundwater
Abatement Method Used at the Site:	Not reported
Global ID:	T0603704635
W Global ID:	Not reported
Staff:	TOX
Local Agency:	19000
Cross Street:	Not reported
Enforcement Type:	Not reported
Date Leak Discovered:	1/4/1983
Date Leak First Reported:	1/15/1983
Date Leak Record Entered:	Not reported
Date Confirmation Began:	Not reported
Date Leak Stopped:	Not reported
Date Case Last Changed on Database:	4/1/1997
Date the Case was Closed:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BARON-BLAKESLEE INC. (Continued)

S105051315

How Leak Discovered: Subsurface Monitoring
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: OLD CASE#032289-02
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 1967.6968418028001719731367137
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 3/22/1989
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: PUREX INDUSTRIES
RP Address: 5101 CLARK AVENUE, LAKEWOOD, CA 90012
Program: SLIC
Lat/Long: 33.888714 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: HALOGENATED ALKANES AND ALKYNES, AROMATICS. PCE/1790 MG/KG SOIL.
PCE/104 MG/L WATER. METHYLENE CHLORIDE/230 MG/L G/W.
AKA "TP INDUSTRIAL
INC"

S89 **I C COMPOUND CO**
ENE **120 E 163RD ST**
1/8-1/4 **GARDENA, CA 90248**
0.225 mi.
1189 ft. **Site 2 of 7 in cluster S**

UST **U003776041**
N/A

Relative: UST:
Higher Facility ID: LACoFA0000991
Actual: Permitting Agency: Los Angeles County Fire Department
47 ft. Latitude: 33.88356
Longitude: -118.27502

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IC COMPOUND (Continued)

S106927466

Comp Number: 4684
Number: 1
Board Of Equalization: Not reported
Referral Date: 07-30-91
Action Date: 07-30-91
Created Date: 07-30-91
Owner Tank Id: 2C
SWRCB Tank Id: 19-000-004684-000004
Tank Status: A
Capacity: 3333
Active Date: 07-30-91
Tank Use: CHEMICAL
STG: P
Content: Not reported
Number Of Tanks: Not reported

S91
ENE
1/8-1/4
0.225 mi.
1189 ft.

I C COMPOUND CO
120 E 163RD ST
GARDENA, CA 90248
Site 4 of 7 in cluster S

SWEEPS UST **U002279527**
LOS ANGELES CO. HMS **N/A**

Relative:
Higher
Actual:
47 ft.

SWEEPS UST:
Status: Not reported
Comp Number: 11320
Number: Not reported
Board Of Equalization: 44-009239
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-011320-000003
Tank Status: Not reported
Capacity: 8000
Active Date: Not reported
Tank Use: PETROLEUM
STG: PRODUCT
Content: Not reported
Number Of Tanks: 3

Status: Not reported
Comp Number: 11320
Number: Not reported
Board Of Equalization: 44-009239
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-011320-000004
Tank Status: Not reported
Capacity: 5000
Active Date: Not reported
Tank Use: PETROLEUM
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

I C COMPOUND CO (Continued)

U002279527

Comp Number: 11320
Number: Not reported
Board Of Equalization: 44-009239
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-011320-000005
Tank Status: Not reported
Capacity: 1500
Active Date: Not reported
Tank Use: PETROLEUM
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 11320
Number: 2
Board Of Equalization: 44-009239
Referral Date: 09-25-90
Action Date: 09-25-90
Created Date: 06-30-89
Owner Tank Id: 1
SWRCB Tank Id: 19-000-011320-000001
Tank Status: A
Capacity: 10000
Active Date: 09-20-90
Tank Use: CHEMICAL
STG: P
Content: Not reported
Number Of Tanks: 2

Status: Active
Comp Number: 11320
Number: 2
Board Of Equalization: 44-009239
Referral Date: 09-25-90
Action Date: 09-25-90
Created Date: 06-30-89
Owner Tank Id: 2
SWRCB Tank Id: 19-000-011320-000002
Tank Status: A
Capacity: 10000
Active Date: 09-20-90
Tank Use: CHEMICAL
STG: P
Content: Not reported
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:

Region: LA
Permit Category: T
Facility Id: 004513-004684
Facility Type: 0
Facility Status: Removed
Area: 22

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

I C COMPOUND CO (Continued)

U002279527

Permit Number: 00002853T
Permit Status: Removed

Region: LA
Permit Category: I
Facility Id: 004513-I04684
Facility Type: 05
Facility Status: Permit
Area: 22
Permit Number: 000002134
Permit Status: Permit

S92
ENE
1/8-1/4
0.225 mi.
1189 ft.

I C COMPOUND
120 EAST 163RD STREET
GARDENA, CA 90248

RCRA-CESQG **1019322325**
FINDS **CAD981621014**

Site 5 of 7 in cluster S

Relative:
Higher

RCRA-CESQG:

Actual:
47 ft.

Date form received by agency: 01/22/2016
Facility name: I C COMPOUND
Facility address: 120 EAST 163RD STREET
GARDENA, CA 90248
EPA ID: CAD981621014
Mailing address: EAST 163 RD STREET
GARDENA, CA 90248
Contact: DALE S DEMPSTER
Contact address: EAST 163RD STREET
GARDENA, CA 90248
Contact country: US
Contact telephone: 310-323-6210
Contact email: ICCOMPOUND@SBCGLOBAL.NET
EPA Region: 09
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: DALE S DEMPSTER
Owner/operator address: EAST 163 RD STREET
GARDENA, CA 90248
Owner/operator country: US
Owner/operator telephone: 310-323-6210
Owner/operator email: Not reported
Owner/operator fax: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

I C COMPOUND (Continued)

1019322325

Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 06/01/1999
Owner/Op end date: Not reported

Owner/operator name: DALE S DEMPSTER
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/01/1999
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Yes
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

I C COMPOUND (Continued)

1019322325

FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Amount (Lbs): 4687.7

Violation Status: No violations found

FINDS:

Registry ID: 110070148348

Environmental Interest/Information System
HAZARDOUS WASTE BIENNIAL REPORTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

V93
SW
1/8-1/4
0.227 mi.
1199 ft.

THE CORNER COIN CAR WASH
16717 S FIGUEROA ST
LOS ANGELES, CA 90248

SWEEPS UST **S101585009**
CA FID UST **N/A**

Site 1 of 2 in cluster V

Relative:
Lower
Actual:
37 ft.

SWEEPS UST:
Status: Not reported
Comp Number: 5468
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 19018143
Regulated By: UTKNI
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2135152270
Mail To: Not reported
Mailing Address: 5244 W 138TH PL
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 902480000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

THE CORNER COIN CAR WASH (Continued)

S101585009

NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Inactive

S94
ENE
1/8-1/4
0.230 mi.
1216 ft.

AIRCRAFT HYDROFORMING
131 GARDENA BLVD E
CARSON, CA 90746

LUST **S101295801**
HIST CORTESE **N/A**

Site 6 of 7 in cluster S

Relative:
Higher
Actual:
47 ft.

LUST REG 4:
 Region: 4
 Regional Board: 04
 County: Los Angeles
 Facility Id: 000276
 Status: Leak being confirmed
 Substance: Gasoline
 Substance Quantity: Not reported
 Local Case No: Not reported
 Case Type: Soil
 Abatement Method Used at the Site: Not reported
 Global ID: T0603700012
 W Global ID: Not reported
 Staff: UNK
 Local Agency: 19000
 Cross Street: BROADWAY
 Enforcement Type: Not reported
 Date Leak Discovered: 11/22/1985
 Date Leak First Reported: 11/26/1985
 Date Leak Record Entered: 12/31/1986
 Date Confirmation Began: 11/26/1985
 Date Leak Stopped: 11/22/1985
 Date Case Last Changed on Database: 8/18/1987
 Date the Case was Closed: Not reported
 How Leak Discovered: Tank Closure
 How Leak Stopped: Not reported
 Cause of Leak: Corrosion
 Leak Source: Tank
 Operator: DORSENICH, BILL
 Water System: Not reported
 Well Name: Not reported
 Approx. Dist To Production Well (ft): 9061.999012940693648565971735
 Source of Cleanup Funding: Tank
 Preliminary Site Assessment Workplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Remediation Plan Submitted: Not reported
 Remedial Action Underway: Not reported
 Post Remedial Action Monitoring Began: Not reported
 Enforcement Action Date: Not reported
 Historical Max MTBE Date: Not reported
 Hist Max MTBE Conc in Groundwater: Not reported
 Hist Max MTBE Conc in Soil: Not reported
 Significant Interim Remedial Action Taken: Not reported
 GW Qualifier: Not reported
 Soil Qualifier: Not reported
 Organization: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIRCRAFT HYDROFORMING (Continued)

S101295801

Owner Contact: Not reported
Responsible Party: AIRCRAFT HYDROFORMING
RP Address: 131 E GARDENA BLVD, CARSON, CA 90746
Program: LUST
Lat/Long: 33.8580588 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 000276

S95
ENE
1/8-1/4
0.230 mi.
1216 ft.

HAROLD LUDWIG CO
122 E 163RD ST
GARDENA, CA 90249
Site 7 of 7 in cluster S

HIST UST **U001563233**
N/A

Relative:
Higher
Actual:
47 ft.

HIST UST:
File Number: 00026D3A
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026D3A.pdf>
Region: STATE
Facility ID: 0000017146
Facility Type: Other
Other Type: MFR CLEANING SOLUTIO
Contact Name: HAROLD LUDWIG
Telephone: 8188834294
Owner Name: HAROLD LUDWIG CO.
Owner Address: 122 E. 163RD ST.
Owner City,St,Zip: GARDENA, CA 90248
Total Tanks: 0005

Tank Num: 001
Container Num: 1
Year Installed: 1969
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1967
Tank Capacity: 00001500
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HAROLD LUDWIG CO (Continued)

U001563233

Tank Num: 003
Container Num: 3
Year Installed: 1967
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: 1967
Tank Capacity: 00007500
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: 5
Year Installed: 1967
Tank Capacity: 00001500
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

[Click here for Geo Tracker PDF:](#)

**W96
NNW
1/8-1/4
0.231 mi.
1220 ft.**

**CALI-BLOK DIV OF EIS
15930 S FIGUEROA ST
GARDENA, CA 90248
Site 1 of 2 in cluster W**

**SWEEPS UST U001563143
HIST UST N/A
EMI**

**Relative:
Higher
Actual:
47 ft.**

SWEEPS UST:
Status: Active
Comp Number: 14518
Number: 9
Board Of Equalization: 44-010435
Referral Date: 08-23-90
Action Date: 08-23-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-014518-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 1

HIST UST:
File Number: 00027C05
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027C05.pdf>
Region: STATE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CALI-BLOK DIV OF EIS (Continued)

U001563143

Facility ID: 00000066644
Facility Type: Other
Other Type: MANUFACTURER
Contact Name: R. ROLLAND, PLANT MGR.
Telephone: 2133236753
Owner Name: PARKER-HANNIFIN CORP-EIS DIV.
Owner Address: 129 WORTHINGTON RIDGE RD.
Owner City,St,Zip: BERLIN, CT 06037
Total Tanks: 0001

Tank Num: 001
Container Num: #1
Year Installed: 1968
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: X
Leak Detection: None

[Click here for Geo Tracker PDF:](#)

EMI:

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 17586
Air District Name: SC
SIC Code: 3292
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 25
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smlr Tons/Yr:1

W97
NNW
1/8-1/4
0.231 mi.
1220 ft.

PARKER HANNIFIN CORP
15930 S FIGUEROA ST
GARDENA, CA 90248

Site 2 of 2 in cluster W

RCRA-SQG 1000269369
FINDS CAD981454853
ECHO
HAZNET

Relative:
Higher
Actual:
47 ft.

RCRA-SQG:
Date form received by agency:09/01/1996
Facility name: PARKER HANNIFIN CORP
Facility address: 15930 S FIGUEROA ST
GARDENA, CA 90248
EPA ID: CAD981454853
Mailing address: 15930 FIGUEROA ST
GARDENA, CA 90248
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARKER HANNIFIN CORP (Continued)

1000269369

Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: PARKER-HANNIFIN CORP
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 04/09/1990

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARKER HANNIFIN CORP (Continued)

1000269369

Site name: CALI BLOCK/EIS
Classification: Large Quantity Generator

Date form received by agency: 03/18/1986
Site name: PARKER HANNIFIN CORP
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002713118

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000269369
Registry ID: 110002713118
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002713118>

HAZNET:

envid: 1000269369
Year: 1993
GEPaid: CAD981454853
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 15930 FIGUEROA ST
Mailing City,St,Zip: GARDENA, CA 902480000
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: Recycler
Tons: 0.35439999999
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000269369
Year: 1993
GEPaid: CAD981454853
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 15930 FIGUEROA ST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARKER HANNIFIN CORP (Continued)

1000269369

Mailing City,St,Zip: GARDENA, CA 902480000
Gen County: Not reported
TSD EPA ID: CAT080010101
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Transfer Station
Tons: 0.4214
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000269369
Year: 1993
GEPaid: CAD981454853
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 15930 FIGUEROA ST
Mailing City,St,Zip: GARDENA, CA 902480000
Gen County: Not reported
TSD EPA ID: CAL000027741
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Not reported
Tons: 15.1704000000
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000269369
Year: 1993
GEPaid: CAD981454853
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 15930 FIGUEROA ST
Mailing City,St,Zip: GARDENA, CA 902480000
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Recycler
Tons: 0.237499999999
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000269369
Year: 1993
GEPaid: CAD981454853
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 15930 FIGUEROA ST
Mailing City,St,Zip: GARDENA, CA 902480000
Gen County: Not reported
TSD EPA ID: CAD008252405

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARKER HANNIFIN CORP (Continued)

1000269369

TSD County: Not reported
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: Recycler
Tons: 0.37519999999
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
2 additional CA_HAZNET: record(s) in the EDR Site Report.

98
NE
1/8-1/4
0.243 mi.
1281 ft.

MR WRIST PIN INC
126 EAST 162ND ST
GARDENA, CA 90248

RCRA-SQG **1000438650**
FINDS **CAD009685397**
ECHO

Relative:
Higher
Actual:
48 ft.

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: MR WRIST PIN INC
Facility address: 126 EAST 162ND ST
GARDENA, CA 90248
EPA ID: CAD009685397
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: DELLACCA MARSHALL
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MR WRIST PIN INC (Continued)

1000438650

Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 06/30/1980
Site name: MR WRIST PIN INC
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002637870

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000438650
Registry ID: 110002637870
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002637870>

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

V99 SW 1/8-1/4 0.246 mi. 1299 ft.	LIBERTY DISPOSAL SERVICE 16804 S. FIGUEROA ST. GARDENA, CA 90248 Site 2 of 2 in cluster V	SWF/LF	S111075981 N/A
--	--	---------------	---------------------------------

Relative: LOS ANGELES CO. LF:

Lower

Actual: 37 ft.

Site ID:	252
Alt. Address:	Not reported
Site Contact:	Not reported
Site Contact Phone:	(866) 933-4776
Site Email:	libertydisposal@gmail.com
Site Website:	Not reported
Site Type:	Waste Hauler
Site SWIS Number:	19-AS-0231
Beginning Operation Date:	Not reported
Ending Operation Date:	Not reported
Local Enforcement Agency:	Not reported
Maximun Depth Fill(Ft):	Not reported
Permitted Capacity:	Not reported
Present Use:	Not reported
Remaining Capacity(Million):	Not reported
Status:	Active
Waste Accepted:	Not reported
Hours of Operation:	Mon to Fri, 8 AM - 5 PM
Disposal Area (Acre):	Not reported

Detail As Of 01/2014:

Operator Name:	Liberty Disposal Service
Operator Address:	5882 Windcroft DR.
Operator City/State/Zip:	Huntington Beach, CA 92649-4857
Operator Contact:	John Ter-Kasarian
Operator Telephone:	(562) 714-1100
Operator Email:	libertydisposal@gmail.com
Owner Name:	Unknown
Owner Address:	Not reported
Owner City/State/Zip:	Not reported
Owner Contact:	Not reported
Owner Telephone:	Not reported
Owner Email:	Not reported

X100 NNW 1/4-1/2 0.256 mi. 1352 ft.	UNITED BEARING COMPANY 15916 SOUTH FIGUEROA ST GARDENA, CA 90247 Site 1 of 3 in cluster X	RCRA-SQG	1000399313 LUST FINDS ECHO HAZNET HIST CORTESE
--	--	-----------------	---

Relative: RCRA-SQG:

Higher

Actual: 48 ft.

Date form received by agency:	09/01/1996
Facility name:	UNITED BEARING COMPANY
Facility address:	15916 SOUTH FIGUEROA ST GARDENA, CA 90247
EPA ID:	CAD009595554
Mailing address:	SOUTH FIGUEROA ST GARDENA, CA 90247
Contact:	Not reported
Contact address:	Not reported
Contact country:	US

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNITED BEARING COMPANY (Continued)

1000399313

Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: UNITED BEARING COMPANY
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNITED BEARING COMPANY (Continued)

1000399313

LUST:

Lead Agency: LOS ANGELES COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704933
Global Id: T0603704933
Latitude: 33.887017
Longitude: -118.282297
Status: Completed - Case Closed
Status Date: 06/17/1996
Case Worker: JOA
RB Case Number: R-10370
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
Site History: Not reported

LUST:

Global Id: T0603704933
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603704933
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0603704933
Action Type: Other
Date: 04/25/1996
Action: Leak Reported

Global Id: T0603704933
Action Type: Other
Date: 04/25/1996
Action: Leak Discovery

Global Id: T0603704933
Action Type: Other
Date: 04/25/1996
Action: Leak Stopped

LUST:

Global Id: T0603704933
Status: Completed - Case Closed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNITED BEARING COMPANY (Continued)

1000399313

Status Date: 06/17/1996
Global Id: T0603704933
Status: Open - Case Begin Date
Status Date: 04/25/1996

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-10370
Status: Case Closed
Substance: Hydrocarbons
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: OT
Global ID: T0603704933
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: ALONDRA BLVD
Enforcement Type: Not reported
Date Leak Discovered: 4/25/1996
Date Leak First Reported: 4/25/1996
Date Leak Record Entered: 6/13/1996
Date Confirmation Began: Not reported
Date Leak Stopped: 4/25/1996
Date Case Last Changed on Database: 6/17/1996
Date the Case was Closed: 6/17/1996
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: RADI, MARLIN
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 4700.1865869459257469243334797
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: UNITED BEARING CO OF CALIF
RP Address: 15916 S FIGUEROA ST, GARDENA CA 90247

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNITED BEARING COMPANY (Continued)

1000399313

Program: LUST
Lat/Long: 33.8871139 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

FINDS:

Registry ID: 110002637317

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000399313
Registry ID: 110002637317
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002637317>

HAZNET:

envid: 1000399313
Year: 1996
GEPaid: CAD009595554
Contact: UNITED BEARING CO
Telephone: 3103272101
Mailing Name: Not reported
Mailing Address: 15916 S FIGUEROA ST
Mailing City,St,Zip: GARDENA, CA 902482433
Gen County: Not reported
TSD EPA ID: CAD099452708
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 2.2935
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000399313
Year: 1996
GEPaid: CAD009595554
Contact: UNITED BEARING CO
Telephone: 3103272101
Mailing Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNITED BEARING COMPANY (Continued)

1000399313

Mailing Address: 15916 S FIGUEROA ST
Mailing City,St,Zip: GARDENA, CA 902482433
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: .3127
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000399313
Year: 1995
GEPaid: CAD009595554
Contact: UNITED BEARING CO
Telephone: 3103272101
Mailing Name: Not reported
Mailing Address: 15916 S FIGUEROA ST
Mailing City,St,Zip: GARDENA, CA 902482433
Gen County: Not reported
TSD EPA ID: CAD099452708
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 4.2951
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000399313
Year: 1994
GEPaid: CAD009595554
Contact: UNITED BEARING CO
Telephone: 3103272101
Mailing Name: Not reported
Mailing Address: 15916 S FIGUEROA ST
Mailing City,St,Zip: GARDENA, CA 902482433
Gen County: Not reported
TSD EPA ID: CAD099452708
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 3.4194
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000399313
Year: 1993
GEPaid: CAD009595554
Contact: UNITED BEARING CO
Telephone: 3103272101
Mailing Name: Not reported
Mailing Address: 15916 S FIGUEROA ST
Mailing City,St,Zip: GARDENA, CA 902482433
Gen County: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNITED BEARING COMPANY (Continued)

1000399313

TSD EPA ID: CAD099452708
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 4.29509999999
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-10370

**101
NE
1/4-1/2
0.260 mi.
1375 ft.**

**SUPERIOR ENGINEERED PRODUCTS
406 ALONDRA BLVD
ROSEWOOD, CA 90248**

**LUST S102438256
HIST CORTESE N/A**

**Relative:
Higher
Actual:
48 ft.**

LUST:

Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603703167
Global Id: T0603703167
Latitude: 33.885522
Longitude: -118.274935
Status: Completed - Case Closed
Status Date: 07/23/1996
Case Worker: YR
RB Case Number: I-06113
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0603703167
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603703167
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUPERIOR ENGINEERED PRODUCTS (Continued)

S102438256

Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0603703167
Action Type: Other
Date: 09/22/1994
Action: Leak Reported

Global Id: T0603703167
Action Type: Other
Date: 01/21/1993
Action: Leak Discovery

Global Id: T0603703167
Action Type: Other
Date: 10/12/1993
Action: Leak Stopped

LUST:

Global Id: T0603703167
Status: Completed - Case Closed
Status Date: 07/23/1996

Global Id: T0603703167
Status: Open - Case Begin Date
Status Date: 01/21/1993

Global Id: T0603703167
Status: Open - Remediation
Status Date: 11/01/1995

Global Id: T0603703167
Status: Open - Remediation
Status Date: 02/01/1996

Global Id: T0603703167
Status: Open - Verification Monitoring
Status Date: 03/01/1996

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-06113
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Excavate and Dispose
Global ID: T0603703167
W Global ID: Not reported
Staff: UNK
Local Agency: 19000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUPERIOR ENGINEERED PRODUCTS (Continued)

S102438256

Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: 1/21/1993
Date Leak First Reported: 9/22/1994
Date Leak Record Entered: 11/3/1995
Date Confirmation Began: Not reported
Date Leak Stopped: 10/12/1993
Date Case Last Changed on Database: 9/6/1996
Date the Case was Closed: 7/23/1996
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 5856.7137994891457797783662085
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: 11/1/1995
Remedial Action Underway: 2/1/1996
Post Remedial Action Monitoring Began: 3/1/1996
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: SUPERIOR ENGINEERING PRODUCTS
RP Address: 1650 ARCHIBALD AVE. S., ONTARIO CA 91761
Program: LUST
Lat/Long: 33.885522 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 09/06/96 WELL ABANDONMENT REPORT

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-06113

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

102
SSW
1/4-1/2
0.263 mi.
1389 ft.

OTY INC
16820 SOUTH FIGUEROA STREET
GARDENA, CA 90248

LUST **S103945754**
ENF **N/A**
HIST CORTESE
WDR
CIWQS

Relative:
Lower
Actual:
37 ft.

LUST:
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603705065
Global Id: T0603705065
Latitude: 33.879194
Longitude: -118.2823391
Status: Completed - Case Closed
Status Date: 01/24/2017
Case Worker: MT
RB Case Number: R-11706
Local Agency: LOS ANGELES COUNTY
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603705065
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603705065
Contact Type: Regional Board Caseworker
Contact Name: MARYAM TAIDY
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: LOS ANGELES
Email: mtaidy@waterboards.ca.gov
Phone Number: 2135766741

LUST:
Global Id: T0603705065
Action Type: ENFORCEMENT
Date: 02/17/2016
Action: State Water Board Closure Order

Global Id: T0603705065
Action Type: RESPONSE
Date: 11/02/2005
Action: CAP/RAP - Feasibility Study Report

Global Id: T0603705065
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OTY INC (Continued)

S103945754

Global Id:	T0603705065
Action Type:	RESPONSE
Date:	01/15/2008
Action:	Final Remedial Action Report / Corrective Action Report
Global Id:	T0603705065
Action Type:	ENFORCEMENT
Date:	01/26/2017
Action:	Closure/No Further Action Letter - #01/26/2017
Global Id:	T0603705065
Action Type:	ENFORCEMENT
Date:	06/04/2007
Action:	Clean Up Fund - Case Closure Review Summary Report (RSR)
Global Id:	T0603705065
Action Type:	Other
Date:	06/15/1999
Action:	Leak Reported
Global Id:	T0603705065
Action Type:	RESPONSE
Date:	10/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603705065
Action Type:	RESPONSE
Date:	04/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603705065
Action Type:	RESPONSE
Date:	07/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603705065
Action Type:	RESPONSE
Date:	10/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603705065
Action Type:	RESPONSE
Date:	07/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603705065
Action Type:	RESPONSE
Date:	01/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603705065
Action Type:	RESPONSE
Date:	07/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603705065
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OTY INC (Continued)

S103945754

Date: 12/30/2014
Action: Request for Closure - Regulator Responded

Global Id: T0603705065
Action Type: RESPONSE
Date: 10/16/2007
Action: Interim Remedial Action Plan

Global Id: T0603705065
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603705065
Action Type: RESPONSE
Date: 04/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603705065
Action Type: ENFORCEMENT
Date: 03/20/2001
Action: Staff Letter

Global Id: T0603705065
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

Global Id: T0603705065
Action Type: ENFORCEMENT
Date: 09/30/2009
Action: Staff Letter

Global Id: T0603705065
Action Type: RESPONSE
Date: 10/15/2008
Action: Remedial Progress Report

Global Id: T0603705065
Action Type: RESPONSE
Date: 01/15/2009
Action: Remedial Progress Report

Global Id: T0603705065
Action Type: RESPONSE
Date: 04/15/2005
Action: Remedial Progress Report

Global Id: T0603705065
Action Type: RESPONSE
Date: 04/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603705065
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OTY INC (Continued)

S103945754

Global Id:	T0603705065
Action Type:	ENFORCEMENT
Date:	02/09/2005
Action:	Staff Letter
Global Id:	T0603705065
Action Type:	ENFORCEMENT
Date:	04/20/2010
Action:	Staff Letter
Global Id:	T0603705065
Action Type:	ENFORCEMENT
Date:	05/18/2010
Action:	Site Visit / Inspection / Sampling
Global Id:	T0603705065
Action Type:	RESPONSE
Date:	10/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603705065
Action Type:	RESPONSE
Date:	07/15/2008
Action:	Remedial Progress Report
Global Id:	T0603705065
Action Type:	RESPONSE
Date:	07/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603705065
Action Type:	RESPONSE
Date:	01/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603705065
Action Type:	RESPONSE
Date:	06/04/2007
Action:	Other Report / Document
Global Id:	T0603705065
Action Type:	RESPONSE
Date:	07/15/2009
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603705065
Action Type:	RESPONSE
Date:	01/15/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0603705065
Action Type:	RESPONSE
Date:	07/31/2002
Action:	Other Report / Document
Global Id:	T0603705065
Action Type:	ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OTY INC (Continued)

S103945754

Date: 07/17/2015
Action: Notification - Public Notice of Case Closure

Global Id: T0603705065
Action Type: ENFORCEMENT
Date: 07/17/2015
Action: State Water Board Closure Order

Global Id: T0603705065
Action Type: RESPONSE
Date: 04/15/2009
Action: Remedial Progress Report

Global Id: T0603705065
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603705065
Action Type: RESPONSE
Date: 01/15/2010
Action: Remedial Progress Report

Global Id: T0603705065
Action Type: RESPONSE
Date: 07/15/2010
Action: Remedial Progress Report

Global Id: T0603705065
Action Type: RESPONSE
Date: 04/19/2010
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0603705065
Action Type: RESPONSE
Date: 07/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603705065
Action Type: RESPONSE
Date: 01/15/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0603705065
Action Type: RESPONSE
Date: 01/15/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0603705065
Action Type: RESPONSE
Date: 10/15/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0603705065
Action Type: ENFORCEMENT
Date: 06/27/2002
Action: Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OTY INC (Continued)

S103945754

Global Id: T0603705065
Action Type: REMEDIATION
Date: 01/01/2002
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0603705065
Action Type: RESPONSE
Date: 04/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603705065
Action Type: RESPONSE
Date: 01/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603705065
Action Type: RESPONSE
Date: 02/27/2004
Action: Soil and Water Investigation Report

Global Id: T0603705065
Action Type: RESPONSE
Date: 02/27/2004
Action: Interim Remedial Action Report

Global Id: T0603705065
Action Type: RESPONSE
Date: 10/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603705065
Action Type: RESPONSE
Date: 07/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603705065
Action Type: RESPONSE
Date: 07/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603705065
Action Type: RESPONSE
Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603705065
Action Type: RESPONSE
Date: 07/27/2004
Action: Well Installation Report

Global Id: T0603705065
Action Type: RESPONSE
Date: 10/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603705065
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OTY INC (Continued)

S103945754

Date: 01/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603705065
Action Type: ENFORCEMENT
Date: 11/05/2007
Action: Staff Letter

Global Id: T0603705065
Action Type: ENFORCEMENT
Date: 07/09/2015
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0603705065
Action Type: Other
Date: 04/22/1999
Action: Leak Discovery

Global Id: T0603705065
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603705065
Action Type: RESPONSE
Date: 10/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603705065
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603705065
Action Type: ENFORCEMENT
Date: 12/31/2002
Action: Staff Letter

Global Id: T0603705065
Action Type: Other
Date: 04/22/1999
Action: Leak Stopped

Global Id: T0603705065
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603705065
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603705065
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OTY INC (Continued)

S103945754

Global Id: T0603705065
Action Type: RESPONSE
Date: 07/15/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0603705065
Action Type: ENFORCEMENT
Date: 10/30/2003
Action: Staff Letter

LUST:

Global Id: T0603705065
Status: Completed - Case Closed
Status Date: 01/24/2017

Global Id: T0603705065
Status: Open - Case Begin Date
Status Date: 04/22/1999

Global Id: T0603705065
Status: Open - Remediation
Status Date: 02/09/2005

Global Id: T0603705065
Status: Open - Remediation
Status Date: 05/17/2005

Global Id: T0603705065
Status: Open - Remediation
Status Date: 09/30/2009

Global Id: T0603705065
Status: Open - Remediation
Status Date: 04/20/2010

Global Id: T0603705065
Status: Open - Site Assessment
Status Date: 07/11/2000

Global Id: T0603705065
Status: Open - Site Assessment
Status Date: 03/20/2001

Global Id: T0603705065
Status: Open - Site Assessment
Status Date: 01/30/2004

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-11706
Status: Pollution Characterization
Substance: Gasoline
Substance Quantity: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OTY INC (Continued)

S103945754

Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603705065
W Global ID: Not reported
Staff: JW
Local Agency: 19000
Cross Street: GARDENA BLVD
Enforcement Type: SEL
Date Leak Discovered: 4/22/1999
Date Leak First Reported: 6/15/1999
Date Leak Record Entered: Not reported
Date Confirmation Began: Not reported
Date Leak Stopped: 4/22/1999
Date Case Last Changed on Database: 9/11/2002
Date the Case was Closed: Not reported
How Leak Discovered: Repair Tank
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: YUMORI ANTHONY
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 6709.7796773659815030731568849
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: 7/11/2000
Preliminary Site Assessment Began: 3/20/2001
Pollution Characterization Began: 1/30/2004
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: 12/11/2001
Hist Max MTBE Conc in Groundwater: 735
Hist Max MTBE Conc in Soil: 306
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: =
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: MATT EYOR
RP Address: 2309 PACIFIC COAST HWY., #206
Program: LUST
Lat/Long: 33.879194 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 1/5/01 WELL INSTALLATION WP ADDENDUM

ENF:

Region: 4
Facility Id: 633494
Agency Name: OTY Inc
Place Type: Service/Commercial

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OTY INC (Continued)

S103945754

Place Subtype:	Service/Commercial Site, NEC
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.87852
Place Longitude:	-118.28184
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	3
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WDRNONMUNIPRCS
Program Category1:	WDR
Program Category2:	WDR
# Of Programs:	1
WDID:	4B198300038
Reg Measure Id:	303089
Reg Measure Type:	Enrollee - WDR
Region:	4
Order #:	R4-2005-0030
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	3380
Status:	Historical
Status Date:	11/08/2016
Effective Date:	05/12/2006
Expiration/Review Date:	12/31/2012
Termination Date:	10/28/2016
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OTY INC (Continued)

S103945754

Fee Code: 58 - Non15 Based on (TTWQ)/CPLX
Direction/Voice: Passive
Enforcement Id(EID): 382628
Region: 4
Order / Resolution Number: NOV
Enforcement Action Type: Notice of Violation
Effective Date: 01/04/2011
Adoption/Issuance Date: 01/04/2011
Achieve Date: Not reported
Termination Date: Not reported
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Active
Title: NOV 01/04/2011 for OTY Inc
Description: NOV issued on 11/04/2011 for failing to submit 3 Annual summary reports and 15 Quarterly monitoring reports.
Program: WDR
Latest Milestone Completion Date: Not reported
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-11706

WDR:

Global ID: WDR100000392
Status: HISTORICAL - WDR

CIWQS:

Agency: OTY Inc
Agency Address: 16820 South Figueroa Street, Gardena, CA 90248
Place/Project Type: Service/Commercial Site, NEC
SIC/NAICS: Not reported
Region: 4
Program: WDRNONMUNIPRCS
Regulatory Measure Status: Historical
Regulatory Measure Type: Enrollee - WDR
Order Number: R4-2005-0030
WDID: 4B198300038
NPDES Number: Not reported
Adoption Date: Not reported
Effective Date: 05/12/2006
Termination Date: 10/28/2016
Expiration/Review Date: 12/31/2012
Design Flow: Not reported
Major/Minor: Not reported
Complexity: A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OTY INC (Continued)

S103945754

TTWQ: 3
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 33.87852
Longitude: -118.28184

**T103
NE
1/4-1/2
0.264 mi.
1395 ft.**

**CENTRE POINT PROPERTY
17230/1725 SOUTH MAIN ST
CARSON, CA**

**CPS-SLIC S106483919
N/A**

Site 2 of 2 in cluster T

**Relative:
Higher**

CPS-SLIC:

**Actual:
48 ft.**

Region: STATE
Facility Status: Completed - Case Closed
Status Date: 03/01/1996
Global Id: SL204351553
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.885745
Longitude: -118.275008
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 0414
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

**Y104
SSE
1/4-1/2
0.266 mi.
1406 ft.**

**BIG D AUTO WRECKING
16815 MAIN ST. S.
GARDENA, CA 90248**

**LUST S110770248
N/A**

Site 1 of 3 in cluster Y

**Relative:
Lower**

LUST:

**Actual:
37 ft.**

Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000002849
Global Id: T10000002849
Latitude: 33.8789803115986
Longitude: -118.276115655899
Status: Completed - Case Closed
Status Date: 07/02/2012
Case Worker: JW
RB Case Number: R-41146
Local Agency: LOS ANGELES COUNTY
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BIG D AUTO WRECKING (Continued)

S110770248

LUST:

Global Id: T10000002849
Contact Type: Regional Board Caseworker
Contact Name: JIMMIE WOO
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: jwoo@waterboards.ca.gov
Phone Number: 2135766600

Global Id: T10000002849
Contact Type: Local Agency Caseworker
Contact Name: PHILLIP GHARIBIANS-TABRIZI
Organization Name: LOS ANGELES COUNTY
Address: 900 S. FREMONT AVE.
City: ALHAMBRA
Email: pgharibians@dpw.lacounty.gov
Phone Number: Not reported

LUST:

Global Id: T10000002849
Action Type: Other
Date: 04/06/2004
Action: Leak Stopped

Global Id: T10000002849
Action Type: ENFORCEMENT
Date: 02/24/2011
Action: Referral to Regional Board

Global Id: T10000002849
Action Type: ENFORCEMENT
Date: 05/10/2011
Action: Staff Letter

Global Id: T10000002849
Action Type: ENFORCEMENT
Date: 06/21/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T10000002849
Action Type: ENFORCEMENT
Date: 07/02/2012
Action: Closure/No Further Action Letter

Global Id: T10000002849
Action Type: ENFORCEMENT
Date: 07/02/2012
Action: Closure/No Further Action Letter

Global Id: T10000002849
Action Type: ENFORCEMENT
Date: 06/21/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T10000002849

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BIG D AUTO WRECKING (Continued)

S110770248

Action Type: ENFORCEMENT
Date: 06/21/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T10000002849
Action Type: ENFORCEMENT
Date: 06/21/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T10000002849
Action Type: Other
Date: 04/06/2004
Action: Leak Discovery

Global Id: T10000002849
Action Type: RESPONSE
Date: 07/15/2011
Action: Other Report / Document

LUST:
Global Id: T10000002849
Status: Completed - Case Closed
Status Date: 07/02/2012

Global Id: T10000002849
Status: Open - Case Begin Date
Status Date: 04/06/2004

Global Id: T10000002849
Status: Open - Site Assessment
Status Date: 02/23/2011

Y105 SA RECYCLING
SSE 16815 S MAIN ST
1/4-1/2 CARSON, CA 90248
0.266 mi.
1406 ft. Site 2 of 3 in cluster Y

SWRCY S108199164
N/A

Relative: SWRCY:
Lower Reg Id: 142619
Actual: Cert Id: RC142619.001
37 ft. Mailing Address: 2411 N Glassell
Mailing City: Orange
Mailing State: CA
Mailing Zip Code: 92865
Website: Not reported
Email: tjohnson@sarecycling.com
Phone Number: (714) 688-4943
Rural: N
Operation Begin Date: 07/25/2011
Aluminium: Y
Glass: Y
Plastic: Y
Bimetal: Y
Hours of Operation: Mon - Fri 7:00 am - 4:00 pm, Closed 11:00 - 11:45; Sat 7:00 am - 12:00 pm; Sun Closed
Organization ID: 18968

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SA RECYCLING (Continued)

S108199164

Organization Name: SA Recycling LLC

Z106
SSE
1/4-1/2
0.269 mi.
1422 ft.

ALCO MINING CO
16908 S BROADWAY
CARSON, CA 90248
Site 1 of 6 in cluster Z

SEMS-ARCHIVE 1003878404
CAD980359020

Relative:
Lower
Actual:
37 ft.

SEMS Archive:
Site ID: 0901719
EPA ID: CAD980359020
Cong District: 31
FIPS Code: 06037
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information
Latitude: 33.873333
Longitude: -118.276667

SEMS Archive Detail:

Region: 09
Site ID: 0901719
EPA ID: CAD980359020
Site Name: ALCO MINING CO
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1988-12-21 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0901719
EPA ID: CAD980359020
Site Name: ALCO MINING CO
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1988-12-21 05:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901719
EPA ID: CAD980359020
Site Name: ALCO MINING CO
NPL: N
FF: N
OU: 00
Action Code: PA

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ALCO MINING CO (Continued)

1003878404

Action Name: PA
 SEQ: 2
 Start Date: 1985-08-01 05:00:00
 Finish Date: 1986-04-01 05:00:00
 Qual: L
 Current Action Lead: St Perf

Region: 09
 Site ID: 0901719
 EPA ID: CAD980359020
 Site Name: ALCO MINING CO
 NPL: N
 FF: N
 OU: 00
 Action Code: DS
 Action Name: DISCVRY
 SEQ: 1
 Start Date: 1985-09-01 05:00:00
 Finish Date: 1985-09-01 05:00:00
 Qual: Not reported
 Current Action Lead: St Perf

Y107
SE
1/4-1/2
0.272 mi.
1436 ft.

AMERIGAS PROPANE L.P.
16800 S MAIN ST
GARDENA, CA 90248
Site 3 of 3 in cluster Y

LUST **U001563205**
HIST UST **N/A**
EMI
NPDES

Relative:
Lower
Actual:
38 ft.

LUST:
 Lead Agency: SWRCB
 Case Type: LUST Cleanup Site
 Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603726807
 Global Id: T0603726807
 Latitude: 33.878713
 Longitude: -118.275653
 Status: Open - Eligible for Closure
 Status Date: 11/19/2014
 Case Worker: MC
 RB Case Number: Not reported
 Local Agency: LOS ANGELES COUNTY
 File Location: Not reported
 Local Case Number: Not reported
 Potential Media Affect: Soil
 Potential Contaminants of Concern: Gasoline
 Site History: There is a State Water Board closure Order for this case issued 11/7/2014. The State Water Board needs confirmation that the corrective action wells and wastes have been removed from the site in order to close the case. Once confirmation has been received State Water Board can issue a Uniform Closure Letter and close the case. Attempts to reach the RP have failed. gwl 4/14/2016.

LUST:
 Global Id: T0603726807
 Contact Type: Local Agency Caseworker
 Contact Name: ALBERTO GRAJEDA
 Organization Name: LOS ANGELES COUNTY
 Address: 900 S. FREMONT AVE.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERIGAS PROPANE L.P. (Continued)

U001563205

City: ALHAMBRA
Email: algrajeda@dpw.lacounty.gov
Phone Number: Not reported

Global Id: T0603726807
Contact Type: Regional Board Caseworker
Contact Name: MATTHEW COHEN
Organization Name: SWRCB
Address: 1001 I Street
City: SACRAMENTO
Email: mcohen@waterboards.ca.gov
Phone Number: 9163415751

Global Id: T0603726807
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0603726807
Action Type: Other
Date: 09/11/2006
Action: Leak Reported

Global Id: T0603726807
Action Type: RESPONSE
Date: 01/03/2000
Action: Tank Removal Report / UST Sampling Report

Global Id: T0603726807
Action Type: RESPONSE
Date: 12/14/2006
Action: Soil and Water Investigation Workplan

Global Id: T0603726807
Action Type: RESPONSE
Date: 06/06/1994
Action: Tank Removal Report / UST Sampling Report

Global Id: T0603726807
Action Type: ENFORCEMENT
Date: 07/17/2013
Action: Referral to Other State Agency - #000750526

Global Id: T0603726807
Action Type: REMEDIATION
Date: 11/23/1999
Action: Not reported

Global Id: T0603726807
Action Type: ENFORCEMENT
Date: 07/07/1994
Action: Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERIGAS PROPANE L.P. (Continued)

U001563205

Global Id: T0603726807
Action Type: ENFORCEMENT
Date: 10/17/2006
Action: Staff Letter

Global Id: T0603726807
Action Type: ENFORCEMENT
Date: 08/16/1994
Action: Closure/No Further Action Letter

Global Id: T0603726807
Action Type: ENFORCEMENT
Date: 06/26/2014
Action: Notification - Public Notice of Case Closure

Global Id: T0603726807
Action Type: ENFORCEMENT
Date: 11/19/2014
Action: State Water Board Closure Order

Global Id: T0603726807
Action Type: Other
Date: 11/23/1999
Action: Leak Discovery

LUST:

Global Id: T0603726807
Status: Open
Status Date: 11/23/1999

Global Id: T0603726807
Status: Open - Case Begin Date
Status Date: 11/23/1999

Global Id: T0603726807
Status: Open - Eligible for Closure
Status Date: 11/23/1999

Global Id: T0603726807
Status: Open - Eligible for Closure
Status Date: 11/19/2014

Global Id: T0603726807
Status: Open - Site Assessment
Status Date: 11/23/1999

HIST UST:

File Number: 00028530
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028530.pdf>
Region: STATE
Facility ID: 00000004054
Facility Type: Other
Other Type: PROPANE COMPANY
Contact Name: GERALD L. DINIUS
Telephone: 2133212998

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERIGAS PROPANE L.P. (Continued)

U001563205

Owner Name: VANGAS, INC.
Owner Address: 16800 S. MAIN STREET
Owner City,St,Zip: GARDENA, CA 90248
Total Tanks: 0004

Tank Num: 001
Container Num: 1
Year Installed: 1982
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 1/4
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: 1982
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 1/4
Leak Detection: None

Tank Num: 003
Container Num: 3
Year Installed: 1982
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 1/4
Leak Detection: None

Tank Num: 004
Container Num: 4
Year Installed: 1971
Tank Capacity: 00009940
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 1/4
Leak Detection: None

[Click here for Geo Tracker PDF:](#)

EMI:

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 8418
Air District Name: SC
SIC Code: 5984
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 7
Reactive Organic Gases Tons/Yr: 6
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERIGAS PROPANE L.P. (Continued)

U001563205

SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1993
County Code: 19
Air Basin: SC
Facility ID: 8418
Air District Name: SC
SIC Code: 5984
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 8418
Air District Name: SC
SIC Code: 5984
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2008
County Code: 19
Air Basin: SC
Facility ID: 8418
Air District Name: SC
SIC Code: 5171
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.958409488239273785
Reactive Organic Gases Tons/Yr: 1.934169916695
Carbon Monoxide Emissions Tons/Yr: .0085348
NOX - Oxides of Nitrogen Tons/Yr: .0239
SOX - Oxides of Sulphur Tons/Yr: .010018
Particulate Matter Tons/Yr: .12087992
Part. Matter 10 Micrometers and Smlr Tons/Yr:.11607992

NPDES:

Facility Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERIGAS PROPANE L.P. (Continued)

U001563205

NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19I019153
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	07/25/2016
Operator Name:	Amerigas
Operator Address:	16800 S Main St
Operator City:	Gardena
Operator State:	California
Operator Zip:	90248
NPDES as of 03/2018:	
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	191842
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I019153
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	12/02/2004
Status:	Active
Status Date:	07/25/2016
Place Size:	204500
Place Size Unit:	SqFt
Contact:	Christina Durazo
Contact Title:	ACE Operation Manager
Contact Phone:	310-415-5071
Contact Phone Ext:	Not reported
Contact Email:	christina.durazo@amerigas.com
Operator Name:	Amerigas

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERIGAS PROPANE L.P. (Continued)

U001563205

Operator Address: 16800 S Main St
Operator City: Gardena
Operator State: California
Operator Zip: 90248
Operator Contact: Christina Durazo
Operator Contact Title: ACE Operation Manager
Operator Contact Phone: 310-415-5071
Operator Contact Phone Ext: Not reported
Operator Contact Email: Christina.Durazo@amerigas.com
Operator Type: Private Business
Developer: Not reported
Developer Address: Not reported
Developer City: Not reported
Developer State: California
Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: 800-834-4169
Emergency Phone Ext: Not reported
Constype Above Ground Ind: Not reported
Constype Below Ground Ind: Not reported
Constype Cable Line Ind: Not reported
Constype Comm Line Ind: Not reported
Constype Commercial Ind: Not reported
Constype Electrical Line Ind: Not reported
Constype Gas Line Ind: Not reported
Constype Industrial Ind: Not reported
Constype Other Description: Not reported
Constype Other Ind: Not reported
Constype Recons Ind: Not reported
Constype Residential Ind: Not reported
Constype Transport Ind: Not reported
Constype Utility Description: Not reported
Constype Utility Ind: Not reported
Constype Water Sewer Ind: Not reported
Dir Discharge Uswater Ind: N
Receiving Water Name: Dominguez Channel
Certifier: Scott Boisvert
Certifier Title: ACE Western Regional Manager
Certification Date: 15-FEB-16
Primary Sic: 5171-Petroleum Bulk Stations and Terminals
Secondary Sic: Not reported
Tertiary Sic: Not reported

NPDES Number: CAS000001
Status: Active
Agency Number: 0
Region: 4
Regulatory Measure ID: 191842
Order Number: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place ID: Not reported
WDID: 4 19I019153
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 12/02/2004

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERIGAS PROPANE L.P. (Continued)

U001563205

Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Amerigas
Discharge Address: 16800 S Main St
Discharge City: Gardena
Discharge State: California
Discharge Zip: 90248
Received Date: Not reported
Processed Date: Not reported
Status: Not reported
Status Date: Not reported
Place Size: Not reported
Place Size Unit: Not reported
Contact: Not reported
Contact Title: Not reported
Contact Phone: Not reported
Contact Phone Ext: Not reported
Contact Email: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported
Operator Contact: Not reported
Operator Contact Title: Not reported
Operator Contact Phone: Not reported
Operator Contact Phone Ext: Not reported
Operator Contact Email: Not reported
Operator Type: Not reported
Developer: Not reported
Developer Address: Not reported
Developer City: Not reported
Developer State: Not reported
Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: Not reported
Emergency Phone Ext: Not reported
Constype Above Ground Ind: Not reported
Constype Below Ground Ind: Not reported
Constype Cable Line Ind: Not reported
Constype Comm Line Ind: Not reported
Constype Commercial Ind: Not reported
Constype Electrical Line Ind: Not reported
Constype Gas Line Ind: Not reported
Constype Industrial Ind: Not reported
Constype Other Description: Not reported
Constype Other Ind: Not reported
Constype Recons Ind: Not reported
Constype Residential Ind: Not reported
Constype Transport Ind: Not reported
Constype Utility Description: Not reported
Constype Utility Ind: Not reported
Constype Water Sewer Ind: Not reported
Dir Discharge Uswater Ind: Not reported
Receiving Water Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERIGAS PROPANE L.P. (Continued)

U001563205

Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	191842
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19I019153
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	12/02/2004
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	16800 S Main St
Discharge Name:	Amerigas
Discharge City:	Gardena
Discharge State:	California
Discharge Zip:	90248
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
NPDES as of 03/2018:	
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	191842
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I019153
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	12/02/2004
Status:	Active

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERIGAS PROPANE L.P. (Continued)

U001563205

Status Date: 07/25/2016
Place Size: 204500
Place Size Unit: SqFt
Contact: Christina Durazo
Contact Title: ACE Operation Manager
Contact Phone: 310-415-5071
Contact Phone Ext: Not reported
Contact Email: christina.durazo@amerigas.com
Operator Name: Amerigas
Operator Address: 16800 S Main St
Operator City: Gardena
Operator State: California
Operator Zip: 90248
Operator Contact: Christina Durazo
Operator Contact Title: ACE Operation Manager
Operator Contact Phone: 310-415-5071
Operator Contact Phone Ext: Not reported
Operator Contact Email: Christina.Durazo@amerigas.com
Operator Type: Private Business
Developer: Not reported
Developer Address: Not reported
Developer City: Not reported
Developer State: California
Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: 800-834-4169
Emergency Phone Ext: Not reported
Constype Above Ground Ind: Not reported
Constype Below Ground Ind: Not reported
Constype Cable Line Ind: Not reported
Constype Comm Line Ind: Not reported
Constype Commercial Ind: Not reported
Constype Electrical Line Ind: Not reported
Constype Gas Line Ind: Not reported
Constype Industrial Ind: Not reported
Constype Other Description: Not reported
Constype Other Ind: Not reported
Constype Recons Ind: Not reported
Constype Residential Ind: Not reported
Constype Transport Ind: Not reported
Constype Utility Description: Not reported
Constype Utility Ind: Not reported
Constype Water Sewer Ind: Not reported
Dir Discharge Uswater Ind: N
Receiving Water Name: Dominguez Channel
Certifier: Scott Boisvert
Certifier Title: ACE Western Regional Manager
Certification Date: 15-FEB-16
Primary Sic: 5171-Petroleum Bulk Stations and Terminals
Secondary Sic: Not reported
Tertiary Sic: Not reported

NPDES Number: CAS000001
Status: Active
Agency Number: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERIGAS PROPANE L.P. (Continued)

U001563205

Region: 4
Regulatory Measure ID: 191842
Order Number: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place ID: Not reported
WDID: 4 191019153
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 12/02/2004
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Amerigas
Discharge Address: 16800 S Main St
Discharge City: Gardena
Discharge State: California
Discharge Zip: 90248
Received Date: Not reported
Processed Date: Not reported
Status: Not reported
Status Date: Not reported
Place Size: Not reported
Place Size Unit: Not reported
Contact: Not reported
Contact Title: Not reported
Contact Phone: Not reported
Contact Phone Ext: Not reported
Contact Email: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported
Operator Contact: Not reported
Operator Contact Title: Not reported
Operator Contact Phone: Not reported
Operator Contact Phone Ext: Not reported
Operator Contact Email: Not reported
Operator Type: Not reported
Developer: Not reported
Developer Address: Not reported
Developer City: Not reported
Developer State: Not reported
Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: Not reported
Emergency Phone Ext: Not reported
Constype Above Ground Ind: Not reported
Constype Below Ground Ind: Not reported
Constype Cable Line Ind: Not reported
Constype Comm Line Ind: Not reported
Constype Commercial Ind: Not reported
Constype Electrical Line Ind: Not reported
Constype Gas Line Ind: Not reported
Constype Industrial Ind: Not reported
Constype Other Description: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

AMERIGAS PROPANE L.P. (Continued)

U001563205

Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Z108
SSE
1/4-1/2
0.281 mi.
1485 ft.

ALCO PACIFIC
16914 SOUTH BROADWAY
CARSON, CA 90248

Site 2 of 6 in cluster Z

HIST Cal-Sites **1000326430**
HIST UST **N/A**
Cortese
LOS ANGELES CO. HMS

Relative:
Lower

Actual:
37 ft.

Relative:	Calsite:	
Lower	Region:	GLENDALE
Actual:	Facility ID:	19340753
37 ft.	Facility Type:	STATE
	Type:	STATE FUNDED SITE
	Branch:	SA
	Branch Name:	SO CAL - GLENDALE
	File Name:	Not reported
	State Senate District:	07012001
	Status:	ANNUAL WORKPLAN (AWP) - ACTIVE SITE
	Status Name:	ANNUAL WORKPLAN - ACTIVE SITE
	Lead Agency:	DEPT OF TOXIC SUBSTANCES CONTROL
	NPL:	Not Listed
	SIC Code:	34
	SIC Name:	MANU - FABRICATED METAL PRODUCTS
	Access:	Not reported
	Cortese:	Not reported
	Hazardous Ranking Score:	Not reported
	Date Site Hazard Ranked:	Not reported
	Groundwater Contamination:	Not reported
	Staff Member Responsible for Site:	LPARNASS
	Supervisor Responsible for Site:	Not reported
	Region Water Control Board:	Not reported
	Region Water Control Board Name:	Not reported
	Lat/Long Direction:	Not reported
	Lat/Long (dms):	0 0 0 / 0 0 0
	Lat/long Method:	Not reported
	Lat/Long Description:	T3S, R13W
	State Assembly District Code:	55
	State Senate District Code:	28
	Facility ID:	19340753
	Activity:	DISC
	Activity Name:	DISCOVERY
	AWP Code:	PM
	Proposed Budget:	0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC (Continued)

1000326430

AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 04031983
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19340753
Activity: SS
Activity Name: SITE SCREENING
AWP Code: PM
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 02101988
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19340753
Activity: ORDER
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code: I&/SE
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 05121993
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC (Continued)

1000326430

Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19340753
Activity: CEQA
Activity Name: CEQA INCLUDING NEGATIVE DECS
AWP Code: NEGDC
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 09091993
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19340753
Activity: RA
Activity Name: REMOVAL ACTION
AWP Code: CHIPS
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 06301994
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 1386
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: N
Activity Comments: A TOTAL OF 46 DRUMS AND 1386 CY OF WASTE PILES REMOVED.
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC (Continued)

1000326430

Unknown Type: 0
Facility ID: 19340753
Activity: RA
Activity Name: REMOVAL ACTION
AWP Code: CAP
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 11091994
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: X
Well Decommissioned: Not reported
Action Included Fencing: X
Removal Action Certification: N
Activity Comments: REPLACEMENT OF THE SITE FENCE, AND EXPOSED CONTAMINATED SOIL CAPPED.
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19340753
Activity: ORDER
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code: I&SE
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 08251995
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19340753
Activity: RA
Activity Name: REMOVAL ACTION
AWP Code: RAD
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 11211997

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC (Continued)

1000326430

Est Person-Yrs to complete: 0
Estimated Size: S
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19340753
Activity: RAW
Activity Name: REMOVAL ACTION WORKPLAN
AWP Code: TANKS
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 07251998
Est Person-Yrs to complete: 0
Estimated Size: M
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19340753
Activity: RAW
Activity Name: REMOVAL ACTION WORKPLAN
AWP Code: RAD
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 06111996
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC (Continued)

1000326430

Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19340753
Activity:	CEQA
Activity Name:	CEQA INCLUDING NEGATIVE DECS
AWP Code:	RAD
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06111996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19340753
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	10301998
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	704
Liquids Treated (Gals):	0
Action Included Capping:	X
Well Decommissioned:	Not reported
Action Included Fencing:	X
Removal Action Certification:	N
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19340753
Activity:	CERT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC (Continued)

1000326430

Activity Name:	CERTIFICATION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	03312005
Revised Due Date:	06302006
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19340753
Activity:	RAW
Activity Name:	REMOVAL ACTION WORKPLAN
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	03302004
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19340753
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	11302004
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC (Continued)

1000326430

Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19340753
Activity: PEA
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code: PEAE
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 04042003
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19340753
Activity: CEQA
Activity Name: CEQA INCLUDING NEGATIVE DECS
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 03302004
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported

MAP FINDINGS

ALCO PACIFIC (Continued)

1000326430

For Commercial Reuse: 0
 For Industrial Reuse: 0
 For Residential Reuse: 0
 Unknown Type: 0

Alternate Address: 16914 SOUTH BROADWAY

Alternate City,St,Zip: CARSON, CA 90248

Alternate Address: 16908 SOUTH BROADWAY

Alternate City,St,Zip: CARSON, CA 90248

Alternate Address: 16914 SOUTH BROADWAY (MAILING ADDRESS)

Alternate City,St,Zip: GARDENA, CA 90248

Background Info: Alco Pacific operated as a lead recycling facility since 1954. The primary sources of lead was automobile batteries. The batteries were cracked open, drained of acid and the lead recovered. The rubber debris from seals and plate separators were the only part of the battery that was not recyclable. This waste was stored in a pile on-site. A second pile was comprised of foundary sands used to make molds. When the facility ceased operations in 1990, 1,248 cubic yards of rubber debris (lead content 43,000 ppm) and 126 cubic yards of sand (lead content 1,300 ppm) were left abandoned on-site. These piles were located on pavement, however, there was not any other contaminant to prevent wind dispersal of wastes or to prevent rain leachate from running off of the property. Ninety-eight (98) drums of assorted wastes were also found on the site. Forty-six of these drums were found scattered throughout the site and were buried in the waste piles contained: resins, catalysts, slag recyclable lead, rainwater/rinseate, and debris. Fifty-two of the drums contained "mixed waste". Facilities Management Branch, who was handling the issues of illegal operation as a TSD facility, referred the Alco Pacific site to the Site Mitigation Branch after it was apparent that there were no funds available to conduct a RCRA closure. Removal of all known wastes (except the 52 drums of mixed waste) were conducted with State funds to eliminate an immediate risk to the public from lead exposure. The waste piles of rubber and sand were disposed in November 1993 and the drummed wastes in April 1994. The drums came to be at Alco when in August of 1988, a load of slag being disposed by Alco Pacific tripped a radiation alarm at the Casmalia facility. A subsequent inspection by Los Angeles County had determined the source of radiation to have come into Alco Pacific via a shipment of lead gauge holders (radiation shields). Evidently, one gauge (radiation source) was left in the gauge holder. When this shipment went through the furnace, it contaminated the air pollution control system (bag house), slag, and refractory brick (thermal insulation) within the furnace itself. Approximately 50% of the material had low enough levels to material is comprised of 52 drums of bag house dust/bags. The bag house dust is normally considered to be a "toxic" waste because of the levels of lead and cadmium. By adding the additional radioactive constituent of Cesium 137, the waste stream became what is known as a "mixed waste". The disposal options for mixed wastes are additionally restricted since the disposal facility must comply with engineering specifications for not only radioactive wastes, but toxic wastes as well. Alco Pacific received a Radioactive License from the Department of Health Sevices, Radiological Health Branch, to store this

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ALCO PACIFIC (Continued)

1000326430

material on a long term basis. After failing four stabilization tests, the Environ Facility in Utah, accepted the mixed waste. The mixed waste was removed, under order to J.C. Shepard in June 1997.

Not reported

The USEPA emergency response removed all residual surface contamination, equipment and buildings in September 1998.

Comments Date: 07011985
Comments: LEAD CONTAMINATION IN THE ACID AND FINAL STRATEGY. SITE
Comments Date: 01011988
Comments: ON CORTESE LIST.
Comments Date: 02101988
Comments: SITE SCREENING DONE PEA RECOMMENDED BASED ON LACK OF INFO.
Comments Date: 02261998
Comments: US EPA coordinated PRP meeting for future remediation activities
Comments Date: 02261998
Comments: at the site.
Comments Date: 03012002
Comments: DTSC begins site characterization fieldwork to investigate the
Comments Date: 03012002
Comments: soil, soil vapor and groundwater.
Comments Date: 03301998
Comments: DTSC approved SA RI workplan which includes soil vapor, soil
Comments Date: 03301998
Comments: and ground water sampling.
Comments Date: 03302004
Comments: RAW - DTSC approved the Removal Action proposal to remove
Comments Date: 03302004
Comments: approximately 3600 cubic yards if lead contaminated soil be
Comments Date: 03302004
Comments: excavation at the former lead acid battery breaker. CEQA -
Comments Date: 03302004
Comments: Document NOE. Fieldwork completed Sept. 1, 2004.
Comments Date: 04031983
Comments: Facility identified L.A. Co Engineering Index 4785
Comments Date: 04042003
Comments: A Remedial Investigation was conducted at this former lead acid
Comments Date: 04042003
Comments: battery recycler. Soil, soil gas and groundwater samples were
Comments Date: 04042003
Comments: obtained statewide. Elevated heavy metals were formed in
Comments Date: 04042003
Comments: soil and groundwater. VOCs were detected in soil gas and
Comments Date: 04042003
Comments: groundwater.
Comments Date: 04052000
Comments: DTSC holds an informational meeting with twenty-two potentially
Comments Date: 04052000
Comments: responsible parties and/or their representatives. DTSC requested
Comments Date: 04052000
Comments: they form a steering committee to negotiate a Consent Order to
Comments Date: 04052000
Comments: perform an RI/FS, Risk Assessment, Feasibility Study and RAP.
Comments Date: 04131983
Comments: Co ENR. PERMIT 10/61 STORE DROSS IN CONTAINERS-
Comments Date: 04131983
Comments: 40 YARDS AL DROSS STOCKPILED. VIO 5/62 FAIL TO REMOVE

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MAP FINDINGS

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ALCO PACIFIC (Continued)

1000326430

Comments Date: 04131983
Comments: LOOSE DROSS. MFG AL INGOTS FROM SCRAP AL
Comments Date: 04131983
Comments: HAULER: METAL RECLAMATION CO
Comments Date: 04131983
Comments: '74 ALCO MINING TOOK OVER SITE & REMOVED ALL FREE DROSS
Comments Date: 04131993
Comments: COUNTY ENGINEER, HAUL FURNACE SLAG, BATTERY CASES AND WASTE
Comments Date: 04131993
Comments: ACID. PERMIT 2167 12/59 CONTAIN AND HAUL WASTE. 1950-59
Comments Date: 04131993
Comments: DISCHARGE ACID TO CESS POOL - BRICK LINED, 33 FT DEEP.
Comments Date: 04131993
Comments: WASTEWATER - 10800 GALLON/WK COOLING WATER. 1959 USED
Comments Date: 04131993
Comments: DRY WILL FOR LIQUID WASTE. 9/59 VIO-BATTERY ACID TO CESS
Comments Date: 04131993
Comments: POOL. 5/61 NOC. 1961 CESSPOOL FILLED WITH BROKEN ROCK;
Comments Date: 04131993
Comments: SA 170 SPECIAL BATCH TREATMENT TANKS. 12/75 PERMIT 3800
Comments Date: 04131993
Comments: WASTEWATER TO SEWER-750 GAL NOTTINGHAM INTERCEPTOR IN
Comments Date: 04131993
Comments: SYSTEM, ANHYDROUS AMMONIA NEUTRALIZATION IN SYSTEM.
Comments Date: 04191996
Comments: Radioactive waste (Cesium 137) on-site in mixed waste. The
Comments Date: 04191996
Comments: waste is all drummed.
Comments Date: 04221983
Comments: QUESTIONNAIRE RESENT.
Comments Date: 04251996
Comments: The mailing address is Gardena, the physical address is Carson,
Comments Date: 04251996
Comments: therefore, the site address is Carson.
Comments Date: 05262005
Comments: Payment received.
Comments Date: 05281998
Comments: The USEPA removal activities will include: inventory and staging
Comments Date: 05281998
Comments: of small containers and drums from around the site; performance o
Comments Date: 05281998
Comments: survey of the site prior to demolition activities to define the
Comments Date: 05281998
Comments: presence of hazardous materials; decontaminating and demolishing
Comments Date: 05281998
Comments: equipment and buildings, transporting and disposing of wastes at
Comments Date: 05281998
Comments: approved offsite facilities, and decontaminating paved surfaces.
Comments Date: 05281998
Comments: Not reported
Comments Date: 05281998
Comments: The Removal Action Workplan for site equipment was approved.
Comments Date: 06012002
Comments: DTSC receives draft RI.
Comments Date: 06111996
Comments: The Removal Action workplan and the CEQA documents have been
Comments Date: 06111996

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Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC (Continued)

1000326430

Comments: finalized on 6/11/96.
Comments Date: 06111996
Comments: Not reported
Comments Date: 06111996
Comments: The removal action will be conducted when Envirocare of Utah
Comments Date: 06111996
Comments: completes the treatability test for low level radioactive and
Comments Date: 06111996
Comments: hazardous mixed wastes. It is anticipated that the removal
Comments Date: 06111996
Comments: action will be completed in August 1997.
Comments Date: 06191998
Comments: During the removal activity it was apparent that vagrants were
Comments Date: 06191998
Comments: visiting the site. DTSC returned to secure the site after the
Comments Date: 06191998
Comments: vagrants left holes in the site fencing. Where upon DTSC re-
Comments Date: 06191998
Comments: presentatives discovered a number of unidentified containers
Comments Date: 06191998
Comments: with unknown contents. After hazcatting and disposing of the
Comments Date: 06191998
Comments: containers, DTSC collected 14 surface soil and debris samples
Comments Date: 06191998
Comments: from various on-site and off-site locations. The analytical
Comments Date: 06191998
Comments: results detected heavy metal at levels which posed a hazard
Comments Date: 06191998
Comments: to human health and the environment. DTSC requested assistance
Comments Date: 06191998
Comments: from USEPA emergency response team. On July 15, 1997, USEPA
Comments Date: 06191998
Comments: begins a Preliminary Assessment of the site which concludes
Comments Date: 06191998
Comments: with an emergency removal action.
Comments Date: 06191998
Comments: Not reported
Comments Date: 06191998
Comments: 06/1998 - DTSC disencumbers remaining funds.
Comments Date: 06301994
Comments: Waste piles consisting of 1,260 cubic yards of rubber separator
Comments Date: 06301994
Comments: wastes and 126 cubic yards of foundry sand were disposed. Ad-
Comments Date: 06301994
Comments: ditionally, a total of 43 drums containing various waste
Comments Date: 06301994
Comments: materials were disposed.
Comments Date: 07011985
Comments: BATTERY BREAKING AREA. FAC TYPE: 33 FT DEEP BRICK LINED
Comments Date: 07011985
Comments: CESSPOOL IN 70'S CESSPOOL WAS FILLED WITH ROCKS. POSSIBLE
Comments Date: 07011985
Comments: REFERRED: TO CO-TSC PROGRAM. SMELTING AND REF.
Comments Date: 07011985
Comments: ENF HISTORY: 9/16/59 IW VIO & COMPLI.
Comments Date: 07011985
Comments: BATTERY ACID WASTE TO CESSPOOL.

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC (Continued)

1000326430

Comments Date: 07011985
Comments: SOURCE ACT: CO ENGR 9/21/59 - LEAD
Comments Date: 07011985
Comments: SUBMIT TO EPA, REFERRED TO EPA, REGION IX
Comments Date: 07012001
Comments: DTSC receives state funds to characterize the site.
Comments Date: 07251998
Comments: The Removal Action concluded on July 25, 1998.
Comments Date: 08031982
Comments: FACILITY IDENTIFIED FROM PACIFIC TELEPHONE BUSINESS
Comments Date: 08031982
Comments: DIRECTORY (1971). TELEPHONE FOLLOW-UP: AKA ALCO PACIFIC INC
Comments Date: 08251995
Comments: DTSC issued an Imminent and Substantial Endangerment Determi-
Comments Date: 08251995
Comments: nation and Remedial Action Order to J.L. Shepherd and Associates,
Comments Date: 08251995
Comments: a California Corporation, based on their disposal of, or arrange-
Comments Date: 08251995
Comments: ment for the disposal or treatment of, hazardous substances (lead
Comments Date: 08251995
Comments: and cesium 137) at the Alco site. A threatened release of these
Comments Date: 08251995
Comments: hazardous substances is present at the site.
Comments Date: 08251995
Comments: Not reported
Comments Date: 08251995
Comments: The Order requires the implementation of appropriate removal
Comments Date: 08251995
Comments: actions by the Respondent to mitigate the release of hazardous
Comments Date: 08251995
Comments: substances at or emanating from the site.
Comments Date: 08302000
Comments: DTSC requests the assistance of the Attorney General to represent
Comments Date: 08302000
Comments: the Department with legal actions.
Comments Date: 09011987
Comments: REPORTED FOR PROP65.
Comments Date: 09091993
Comments: The CEQA (Negative Declaration) documents for the Alco Pacific
Comments Date: 09091993
Comments: facility were signed. No significant comments were received
Comments Date: 09091993
Comments: during the public comment period.
Comments Date: 09191997
Comments: DTSC encumbered funds for a subsurface investigation of Alco
Comments Date: 09191997
Comments: Pacific and developed an RI Workplan which was approved
Comments Date: 09191997
Comments: April 1, 1998. However, all subsurface activities were put
Comments Date: 09191997
Comments: on hold until the USEPA surface cleanup was complete.
Comments Date: 09241993
Comments: The Department together with the DHS, Radiological Health Branch,
Comments Date: 09241993
Comments: visited the Alco Pacific site to sample each of the 52 drums of
Comments Date: 09241993

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MAP FINDINGS

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ALCO PACIFIC (Continued)

1000326430

Comments: radioactive mixed wastes currently stored onsite. The condition
Comments Date: 09241993
Comments: of the drums was such that sampling was not feasible. One drum
Comments Date: 09241993
Comments: was found to have an eleven inch gaping hole, from which radio-
Comments Date: 09241993
Comments: active wastes had spilled onto the surface of the storage area.
Comments Date: 10011993
Comments: The Department contracts with Thomas Gray & Associates, Inc.
Comments Date: 10011993
Comments: (contractor for DHS Rad Health) to overpack the corroded drum of
Comments Date: 10011993
Comments: mixed waste at the Alco Pacific site. The drum had allowed a
Comments Date: 10011993
Comments: pile of radioactive mixed waste to escape. The hole was secured
Comments Date: 10011993
Comments: with plastic and the entire drum was encapsulated in plastic be-
Comments Date: 10011993
Comments: fore placement into the overpack drum. The fugitive waste was
Comments Date: 10011993
Comments: also placed within the overpack drum. The remaining 51 drums
Comments Date: 10011993
Comments: were opened and visually inspected. Seven samples were collected,
Comments Date: 10011993
Comments: six of which were for the Environcare Landfill; the seventh sam-
Comments Date: 10011993
Comments: ple is for independent analysis at a Utah State Certified Lab.
Comments Date: 10081982
Comments: FACILITY DRIVE-BY, FENCED, METAL INGOTS STACKED ON PAVED
Comments Date: 10081982
Comments: AREA. BADLY STAINED ON PAVED AREA AND ALONG PUBLIC SIDEWALK
Comments Date: 10301998
Comments: Surface cleanup conducted at this abandoned lead battery
Comments Date: 10301998
Comments: crushing/secondary lead smelter facility included the removal of
Comments Date: 10301998
Comments: tanks, drums, liquids, and dusts contaminated with heavy metals.
Comments Date: 11061998
Comments: The U.S. EPA Final Report for surface cleanup was submitted on
Comments Date: 11061998
Comments: November 6, 1998.
Comments Date: 11091994
Comments: The scope of this second Interim Remedial Measure was the re-
Comments Date: 11091994
Comments: placement of the site fence and a cap over exposed contaminated
Comments Date: 11091994
Comments: soil areas. Both actions were implemented to minimize public
Comments Date: 11091994
Comments: exposure by controlling site access and placing physical bar-
Comments Date: 11091994
Comments: riers between receptors and contaminants. The exposed soil area
Comments Date: 11091994
Comments: of 2500 square feet was graded and a chip seal cap was installed
Comments Date: 11091994
Comments: to prevent direct contact or surface runoff of contaminated
Comments Date: 11091994
Comments: soils. Field work was completed April 21, 1994. The fence and

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC (Continued)

1000326430

Comments Date: 11091994
Comments: post was completed May 26, 1994.
Comments Date: 11091999
Comments: DTSC develops a PRP list and identifies approximately 70 poten-
Comments Date: 11091999
Comments: tially responsible parties to form a steering committee
Comments Date: 11091999
Comments: for investigation and cleanup of subsurface.
Comments Date: 11211997
Comments: Fifty-two (52) radioactive mixed waste drums were removed and
Comments Date: 11211997
Comments: sent to Envirocare of Utah for treatment and burial. The Report
Comments Date: 11211997
Comments: of Completion was submitted to DTSC and approved on 11-21-97.
Comments Date: 12021999
Comments: Federal inactment of HR3194(PL106-113) creates a liability ex-
Comments Date: 12021999
Comments: emption for recyclers. DTSC delays the PRP meeting.
Comments Date: 12061982
Comments: QUESTIONNAIRE SENT.
Comments Date: 12142004
Comments: Cost Recovery consent decrees for CV 01-9294 SJO(FMOx) regarding
Comments Date: 12142004
Comments: Alco Pacific Inc. settled with: 1- Morris Kirk 2- Lead
Comments Date: 12142004
Comments: Products 3- JL Shepard and Associates
ID Name: EPA IDENTIFICATION NUMBER
ID Value: CAD008387250
ID Name: CALSTARS CODE
ID Value: 300353
Alternate Name: ALCO PACIFIC
Alternate Name: ALCO PACIFIC INC.
Alternate Name: ALCO MINING
Alternate Name: PROGRESSIVE METALS (PM) (FORMER)
Alternate Name: Not reported
Special Programs Code: Not reported
Special Programs Name: Not reported

HIST UST:

File Number: 0002626C
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002626C.pdf>
Region: STATE
Facility ID: 00000041603
Facility Type: Other
Other Type: MFG.
Contact Name: Not reported
Telephone: 2133210437
Owner Name: ALCO PACIFIC INC.
Owner Address: 16914 S BROADWAY
Owner City,St,Zip: GARDENA, CA 90248
Total Tanks: 0001

Tank Num: 001
Container Num: #1
Year Installed: Not reported
Tank Capacity: 00001500
Tank Used for: PRODUCT

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Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC (Continued)

1000326430

Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

[Click here for Geo Tracker PDF:](#)

CORTESE:

Region: CORTESE
Envirostor Id: 19340753
Site/Facility Type: STATE RESPONSE
Cleanup Status: CERTIFIED / OPERATION & MAINTENANCE
Status Date: 07/02/2013
Site Code: 300353, 300464
Latitude: 33.878151
Longitude: -118.27767
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: envirostor
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Haz Waste & Substances Sites

LOS ANGELES CO. HMS:

Region: LA
Permit Category: I
Facility Id: 004607-I04785
Facility Type: 02
Facility Status: Closed
Area: 22
Permit Number: 000003800
Permit Status: Closed

Region: LA
Permit Category: I
Facility Id: 004607-I04785
Facility Type: 02
Facility Status: Closed
Area: 22
Permit Number: 000012585
Permit Status: Closed

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Database(s)

EDR ID Number
 EPA ID Number

Z109
SSE
1/4-1/2
0.281 mi.
1485 ft.

ALCO PACIFIC, INC.
16914 SOUTH BROADWAY
CARSON, CA 90248

Site 3 of 6 in cluster Z

RESPONSE
ENVIROSTOR
LIENS

S118756523
N/A

Relative:
Lower
Actual:
37 ft.

RESPONSE:
 Facility ID: 19340753
 Site Type: State Response
 Site Type Detail: State Response or NPL
 Acres: 1.6
 National Priorities List: NO
 Cleanup Oversight Agencies: SMBRP
 Lead Agency Description: DTSC - Site Cleanup Program
 Project Manager: Pete Cooke
 Supervisor: Juli Propes
 Division Branch: Cleanup Chatsworth
 Site Code: 300464
 Site Mgmt. Req.: NONE SPECIFIED
 Assembly: 64
 Senate: 35
 Special Program Status: Not reported
 Status: Certified / Operation & Maintenance
 Status Date: 07/02/2013
 Restricted Use: NO
 Funding: Orphan Funds
 Latitude: 33.87815
 Longitude: -118.2776
 APN: NONE SPECIFIED
 Past Use: BATTERY RECLAMATION, BATTERY RECLAMATION, RECYCLING - OTHER
 Potential COC : * ACID SOLUTION 2>PH WITH METALS * UNSPECIFIED ACID SOLUTION *
 UNSPECIFIED AQUEOUS SOLUTION Lead Cadmium and compounds
 Confirmed COC: Lead
 Potential Description: OTH, SOIL
 Alias Name: ALCO MINING
 Alias Type: Alternate Name
 Alias Name: ALCO PACIFIC INC.
 Alias Type: Alternate Name
 Alias Name: PROGRESSIVE METALS (PM) (FORMER)
 Alias Type: Alternate Name
 Alias Name: CAD008387250
 Alias Type: EPA Identification Number
 Alias Name: 110000913370
 Alias Type: EPA (FRS #)
 Alias Name: 110032746072
 Alias Type: EPA (FRS #)
 Alias Name: 300353
 Alias Type: Project Code (Site Code)
 Alias Name: 300464
 Alias Type: Project Code (Site Code)
 Alias Name: 19340753
 Alias Type: Envirostor ID Number
 Completed Info:
 Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Removal Action Completion Report
 Completed Date: 01/13/2006
 Comments: The Removal Action Completion Report was approved for soils.
 Groundwater monitoring is being conducted.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC, INC. (Continued)

S118756523

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 03/30/2004
Comments: RAW - DTSC approved the Removal Action proposal to remove approximately 3600 cubic yards of lead contaminated soil by excavation at the former lead acid battery breaker. CEQA - Document NOE. Fieldwork completed Sept. 1, 2004.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 10/30/1998
Comments: Surface cleanup conducted at this abandoned lead battery crushing/secondary lead smelter facility included the removal of tanks, drums, liquids, and dusts contaminated with heavy metals.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 06/11/1996
Comments: The Removal Action workplan and the CEQA documents have been finalized on 6/11/96. The removal action will be conducted when Envirocare of Utah completes the treatability test for low level radioactive and hazardous mixed wastes. It is anticipated that the removal action will be completed in August 1997.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 07/25/1998
Comments: The Removal Action concluded on July 25, 1998.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 11/21/1997
Comments: Fifty-two (52) radioactive mixed waste drums were removed and sent to Envirocare of Utah for treatment and burial. The Report of Completion was submitted to DTSC and approved on 11-21-97.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 11/09/1994
Comments: The scope of this second Interim Remedial Measure was the replacement of the site fence and a cap over exposed contaminated soil areas. Both actions were implemented to minimize public exposure by controlling site access and placing physical barriers between receptors and contaminants. The exposed soil area of 2500 square feet was graded and a chip seal cap was installed to prevent direct contact or surface runoff of contaminated soils. Field work was completed April 21, 1994. The fence and post was completed May 26, 1994.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC, INC. (Continued)

S118756523

Completed Document Type: Removal Action Completion Report
Completed Date: 06/30/1994
Comments: Waste piles consisting of 1,260 cubic yards of rubber separator wastes and 126 cubic yards of foundry sand were disposed. Additionally, a total of 43 drums containing various waste materials were disposed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 02/10/1988
Comments: SITE SCREENING DONE PEA RECOMMENDED BASED ON LACK OF INFO.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/28/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/09/2006
Comments: Site soil remediation met approved clean up objectives.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan Amendment
Completed Date: 04/29/2009
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/01/2007
Comments: approved - ongoing monitoring needed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 03/17/2009
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/04/2009
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 11/02/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC, INC. (Continued)

S118756523

Completed Document Type: Information Request Letter

Completed Date: 11/01/2016

Comments: Not reported

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Site Characterization Report

Completed Date: 07/19/2018

Comments: Not reported

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Fieldwork

Completed Date: 04/30/2018

Comments: Fieldwork and access agreement effort delayed until funding issues resolve.

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Lien

Completed Date: 04/15/2005

Comments: Not reported

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Lien

Completed Date: 11/30/2006

Comments: Not reported

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: CEQA - Notice of Exemption

Completed Date: 03/30/2004

Comments: Not reported

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)

Completed Date: 06/11/1996

Comments: Not reported

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Consent Order

Completed Date: 08/25/1995

Comments: DTSC issued an Imminent and Substantial Endangerment Determination and Remedial Action Order to J.L. Shepherd and Associates, a California Corporation, based on their disposal of, or arrangement for the disposal or treatment of, hazardous substances (lead and cesium 137) at the Alco site. A threatened release of these hazardous substances is present at the site. The Order requires the implementation of appropriate removal actions by the Respondent to mitigate the release of hazardous substances at or emanating from the site.

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC, INC. (Continued)

S118756523

Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 09/09/1993
Comments: The CEQA (Negative Declaration) documents for the Alco Pacific facility were signed. No significant comments were received during the public comment period.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Imminent and/or Substantial Endangerment Order
Completed Date: 05/12/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 04/03/1983
Comments: Facility identified L.A. Co Engineering Index 4785

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Decree
Completed Date: 12/14/2004
Comments: Cost Recovery consent decrees for CV 01-9294 SJO(FMOx) regarding Alco Pacific Inc. settled with: 1- Morris Kirk 2- Lead Products 3- JL Shepard and Associates

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Decree
Completed Date: 12/14/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Decree
Completed Date: 12/14/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Decree
Completed Date: 11/24/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 12/30/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 03/01/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC, INC. (Continued)

S118756523

Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 03/20/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 01/20/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 03/11/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 01/06/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Field Order
Completed Date: 03/10/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 05/01/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 06/30/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 04/04/2003
Comments: A Remedial Investigation was conducted at this former lead acid battery recycler. Soil, soil gas and groundwater samples were obtained sitewide. Elevated heavy metals were formed in soil and groundwater. VOCs were detected in soil gas and groundwater.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/27/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC, INC. (Continued)

S118756523

Completed Sub Area Name: Not reported
Completed Document Type: Lien
Completed Date: 02/10/2015
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Notice
Completed Date: 01/21/2015
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 12/10/2014
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/30/2010
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/27/2010
Comments: Decrease in groundwater contamination supports successful remediation in effect.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/04/2009
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 11/21/2011
Comments: approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/11/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 09/26/2012
Comments: completed field work to be conducted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC, INC. (Continued)

S118756523

Completed Date: 01/14/2013
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 01/21/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 04/30/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/04/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/30/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/31/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/17/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 03/13/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/22/2017
Comments: One day to mark and clear boring locations, five days of push rig soil and ground water sample collection.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien
Completed Date: 02/10/2015
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC, INC. (Continued)

S118756523

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien Satisfaction
Completed Date: 11/17/2014
Comments: accepted - 2006 lien resolved and new one to be placed revised dollar amount

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien Satisfaction
Completed Date: 04/01/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 06/30/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien Satisfaction
Completed Date: 02/17/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Triage Meeting
Completed Date: 09/06/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 04/24/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Access Agreement
Completed Date: 01/26/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 06/15/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 07/14/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC, INC. (Continued)

S118756523

Completed Document Type: State/Federal Funded Site Contract
Completed Date: 03/01/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 03/21/2018
Comments: added one page

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien Satisfaction
Completed Date: 11/22/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 01/22/2018
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Feasibility Study Report
Future Due Date: 2020
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Removal Action Workplan
Future Due Date: 2022
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Removal Action Completion Report
Future Due Date: 2022
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Site Characterization Report
Future Due Date: 2021
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:

Facility ID: 19340753
Status: Certified / Operation & Maintenance
Status Date: 07/02/2013
Site Code: 300464
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 1.6
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Pete Cooke
Supervisor: Juli Propes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC, INC. (Continued)

S118756523

Division Branch: Cleanup Chatsworth
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Orphan Funds
Latitude: 33.87815
Longitude: -118.2776
APN: NONE SPECIFIED
Past Use: BATTERY RECLAMATION, BATTERY RECLAMATION, RECYCLING - OTHER
Potential COC: * ACID SOLUTION 2>PH WITH METALS * UNSPECIFIED ACID SOLUTION *
UNSPECIFIED AQUEOUS SOLUTION Lead Cadmium and compounds Lead

Confirmed COC: Lead
Potential Description: OTH, SOIL
Alias Name: ALCO MINING
Alias Type: Alternate Name
Alias Name: ALCO PACIFIC INC.
Alias Type: Alternate Name
Alias Name: PROGRESSIVE METALS (PM) (FORMER)
Alias Type: Alternate Name
Alias Name: CAD008387250
Alias Type: EPA Identification Number
Alias Name: 110000913370
Alias Type: EPA (FRS #)
Alias Name: 110032746072
Alias Type: EPA (FRS #)
Alias Name: 300353
Alias Type: Project Code (Site Code)
Alias Name: 300464
Alias Type: Project Code (Site Code)
Alias Name: 19340753
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 01/13/2006
Comments: The Removal Action Completion Report was approved for soils.
Groundwater monitoring is being conducted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 03/30/2004
Comments: RAW - DTSC approved the Removal Action proposal to remove
approximately 3600 cubic yards of lead contaminated soil by
excavation at the former lead acid battery breaker. CEQA - Document
NOE. Fieldwork completed Sept. 1, 2004.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 10/30/1998
Comments: Surface cleanup conducted at this abandoned lead battery
crushing/secondary lead smelter facility included the removal of
tanks, drums, liquids, and dusts contaminated with heavy metals.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC, INC. (Continued)

S118756523

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 06/11/1996
Comments: The Removal Action workplan and the CEQA documents have been finalized on 6/11/96. The removal action will be conducted when Envirocare of Utah completes the treatability test for low level radioactive and hazardous mixed wastes. It is anticipated that the removal action will be completed in August 1997.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 07/25/1998
Comments: The Removal Action concluded on July 25, 1998.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 11/21/1997
Comments: Fifty-two (52) radioactive mixed waste drums were removed and sent to Envirocare of Utah for treatment and burial. The Report of Completion was submitted to DTSC and approved on 11-21-97.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 11/09/1994
Comments: The scope of this second Interim Remedial Measure was the replacement of the site fence and a cap over exposed contaminated soil areas. Both actions were implemented to minimize public exposure by controlling site access and placing physical barriers between receptors and contaminants. The exposed soil area of 2500 square feet was graded and a chip seal cap was installed to prevent direct contact or surface runoff of contaminated soils. Field work was completed April 21, 1994. The fence and post was completed May 26, 1994.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/30/1994
Comments: Waste piles consisting of 1,260 cubic yards of rubber separator wastes and 126 cubic yards of foundry sand were disposed. Additionally, a total of 43 drums containing various waste materials were disposed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 02/10/1988
Comments: SITE SCREENING DONE PEA RECOMMENDED BASED ON LACK OF INFO.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/28/2006

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC, INC. (Continued)

S118756523

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/09/2006
Comments: Site soil remediation met approved clean up objectives.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan Amendment
Completed Date: 04/29/2009
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/01/2007
Comments: approved - ongoing monitoring needed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 03/17/2009
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/04/2009
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 11/02/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Information Request Letter
Completed Date: 11/01/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 07/19/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 04/30/2018
Comments: Fieldwork and access agreement effort delayed until funding issues resolve.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC, INC. (Continued)

S118756523

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien
Completed Date: 04/15/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien
Completed Date: 11/30/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 03/30/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 06/11/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 08/25/1995
Comments: DTSC issued an Imminent and Substantial Endangerment Determination and Remedial Action Order to J.L. Shepherd and Associates, a California Corporation, based on their disposal of, or arrangement for the disposal or treatment of, hazardous substances (lead and cesium 137) at the Alco site. A threatened release of these hazardous substances is present at the site. The Order requires the implementation of appropriate removal actions by the Respondent to mitigate the release of hazardous substances at or emanating from the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 09/09/1993
Comments: The CEQA (Negative Declaration) documents for the Alco Pacific facility were signed. No significant comments were received during the public comment period.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Imminent and/or Substantial Endangerment Order
Completed Date: 05/12/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 04/03/1983
Comments: Facility identified L.A. Co Engineering Index 4785

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC, INC. (Continued)

S118756523

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Decree
Completed Date: 12/14/2004
Comments: Cost Recovery consent decrees for CV 01-9294 SJO(FMOx) regarding Alco Pacific Inc. settled with: 1- Morris Kirk 2- Lead Products 3- JL Shepard and Associates

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Decree
Completed Date: 12/14/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Decree
Completed Date: 12/14/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Decree
Completed Date: 11/24/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 12/30/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 03/01/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 03/20/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 01/20/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 03/11/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC, INC. (Continued)

S118756523

Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 01/06/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Field Order
Completed Date: 03/10/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 05/01/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 06/30/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 04/04/2003
Comments: A Remedial Investigation was conducted at this former lead acid battery recycler. Soil, soil gas and groundwater samples were obtained sitewide. Elevated heavy metals were formed in soil and groundwater. VOCs were detected in soil gas and groundwater.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/27/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien
Completed Date: 02/10/2015
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Notice
Completed Date: 01/21/2015
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 12/10/2014
Comments: completed

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC, INC. (Continued)

S118756523

Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/30/2010
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/27/2010
Comments: Decrease in groundwater contamination supports successful remediation in effect.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/04/2009
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 11/21/2011
Comments: approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/11/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 09/26/2012
Comments: completed field work to be conducted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 01/14/2013
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 01/21/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 04/30/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC, INC. (Continued)

S118756523

Completed Date: 12/04/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/30/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/31/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/17/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 03/13/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/22/2017
Comments: One day to mark and clear boring locations, five days of push rig soil and ground water sample collection.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien
Completed Date: 02/10/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien Satisfaction
Completed Date: 11/17/2014
Comments: accepted - 2006 lien resolved and new one to be placed revised dollar amount

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien Satisfaction
Completed Date: 04/01/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 06/30/2016

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC, INC. (Continued)

S118756523

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien Satisfaction
Completed Date: 02/17/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Triage Meeting
Completed Date: 09/06/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 04/24/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Access Agreement
Completed Date: 01/26/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 06/15/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 07/14/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 03/01/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 03/21/2018
Comments: added one page

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien Satisfaction
Completed Date: 11/22/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC, INC. (Continued)

S118756523

Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 01/22/2018
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Feasibility Study Report
Future Due Date: 2020
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Removal Action Workplan
Future Due Date: 2022
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Removal Action Completion Report
Future Due Date: 2022
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Site Characterization Report
Future Due Date: 2021
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LIENS:

Envirostor Id: 19340753
Latitude: 33.878151
Longitude: -118.27767
Project Mgr: PETE COOKE
Project Code: 300353, 300464
If Satisfied: NO
Date Satisfied: Not reported
Site Status: CERTIFIED / OPERATION & MAINTENANCE
Site Type: STATE RESPONSE OR NPL
Completed: 02/10/2015
Lien Amount: \$82,837.94
Amount Remaining: Not reported
APNS: Not reported

Description: Alco Pacific operated as a lead recycling facility since 1954. The primary sources of lead was automobile batteries. The batteries were cracked open, drained of acid and the lead re-covered. The rubber debris from seals and plate separators were the only part of the battery that was not recyclable. This waste was stored in a pile on-site. A second pile was comprised of foundry sands used to make molds. When the facility ceased operations in 1990, 1,248 cubic yards of rubber debris (lead content 43,000 ppm) and 126 cubic yards of sand (lead content 1,300 ppm) were left abandoned on-site. These piles were located on pavement, however, there was not any other contaminant to prevent wind dispersal of wastes or to prevent rain leachate from running off of the property. Ninety-eight (98) drums of assorted wastes were also found on the site. Forty-six of these drums were found scattered throughout the site and were buried in the waste piles contained: resins, catalysts, slag recyclable lead, rainwater/ rinseate, and debris. Fifty-two of the drums contained

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC, INC. (Continued)

S118756523

"mixed waste". Facilities Management Branch, who was handling the issues of illegal operation as a TSD facility, referred the Alco Pacific site to the Site Mitigation Branch after it was apparent that there were no funds available to conduct a RCRA closure. Removal of all known wastes (except the 52 drums of mixed waste) were conducted with State funds to eliminate an immediate risk to the public from lead exposure. The waste piles of rubber and sand were disposed in November 1993 and the drummed wastes in April 1994. The drums came to be at Alco when in August of 1988, a load of slag being disposed by Alco Pacific tripped a radiation alarm at the Casmalia facility. A subsequent inspection by Los Angeles County had determined the source of radiation to have come into Alco Pacific via a shipment of lead gauge holders (radiation shields). Evidently, one gauge (radiation source) was left in the gauge holder. When this shipment went through the furnace, it contaminated the air pollution control system (bag house), slag, and refractory brick (thermal insulation) within the furnace itself. Approximately 50% of the material had low enough levels to material is comprised of 52 drums of bag house dust/bags. The bag house dust is normally considered to be a "toxic" waste because of the levels of lead and cadmium. By adding the additional radioactive constituent of Cesium 137, the waste stream became what is known as a "mixed waste". The disposal options for mixed wastes are additionally restricted since the disposal facility must comply with engineering specifications for not only radioactive wastes, but toxic wastes as well. Alco Pacific received a Radioactive License from the Department of Health Services, Radiological Health Branch, to store this material on a long term basis. After failing four stabilization tests, the Environ Facility in Utah, accepted the mixed waste. The mixed waste was removed, under order to J.C. Shepard in June 1997. The USEPA emergency response removed all residual surface contamination, equipment and buildings in September 1998. The Department wrapped up site characterization activities in 2003 and began excavation of 3,600 cubic yards of impacted soil of elevated levels of heavy metals, VOCs, SVOCs, PAHs and PCBs. The remedial goal of unrestricted land use with respect to soil, had been accomplished with the soil removal action. The Site was certified for Soil on January 13, 2006. The Removal Action was initiated 9/30/2004. Six groundwater monitoring wells were installed and continue to be monitored. Elevated levels of metals and VOCs exceeding MCLs persist. Ground Water Monitoring continued until 2012 where decreased concentration but higher than MCLs require attention. Four cost recovery actions have recovered \$2.17 million by 2012. In 2016, efforts to address impacted ground water were revitalized. Site wells indicate low pH, nitrate and hexavalent chromium issues. In March 2017, grab ground water samples were collected from a dozen locations down-gradient of the former Alco Pacific property. Laboratory analytic results indicated no detections for nitrate and hexavalent chromium, suggesting that the ground water plume of contaminants remains close to the former property. In April 2017, two down-gradient wells were installed. These wells are to provide solid information on the state of the plume down-gradient from the former Alco Pacific property.

Envirostor Id: 19340753
Latitude: 33.878151
Longitude: -118.27767
Project Mgr: PETE COOKE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC, INC. (Continued)

S118756523

Project Code: 300353, 300464
If Satisfied: OVER
Date Satisfied: 2/17/2015, 11/22/2017, 11/17/2014
Site Status: CERTIFIED / OPERATION & MAINTENANCE
Site Type: STATE RESPONSE OR NPL
Completed: 11/30/2006
Lien Amount: \$99,382.50
Amount Remaining: Not reported
APNS: Not reported
Description: Alco Pacific operated as a lead recycling facility since 1954. The primary sources of lead was automobile batteries. The batteries were cracked open, drained of acid and the lead re-covered. The rubber debris from seals and plate separators were the only part of the battery that was not recyclable. This waste was stored in a pile on-site. A second pile was comprised of foundary sands used to make molds. When the facility ceased operations in 1990, 1,248 cubic yards of rubber debris (lead content 43,000 ppm) and 126 cubic yards of sand (lead content 1,300 ppm) were left abandoned on-site. These piles were located on pavement, however, there was not any other contaminant to prevent wind dispersal of wastes or to prevent rain leachate from running off of the property. Ninety-eight (98) drums of assorted wastes were also found on the site. Forty-six of these drums were found scattered throughout the site and were buried in the waste piles contained: resins, catalysts, slag recyclable lead, rainwater/ rinseate, and debris. Fifty-two of the drums contained "mixed waste". Facilities Management Branch, who was handling the issues of illegal operation as a TSD facility, referred the Alco Pacific site to the Site Mitigation Branch after it was apparent that there were no funds available to conduct a RCRA closure. Removal of all known wastes (except the 52 drums of mixed waste) were conducted with State funds to eliminate an immediate risk to the public from lead exposure. The waste piles of rubber and sand were disposed in November 1993 and the drummed wastes in April 1994. The drums came to be at Alco when in August of 1988, a load of slag being disposed by Alco Pacific tripped a radiation alarm at the Casmalia facility. A subsequent inspection by Los Angeles County had determined the source of radiation to have come into Alco Pacific via a shipment of lead gauge holders (radiation shields). Evidently, one gauge (radiation source) was left in the gauge holder. When this shipment went through the furnace, it contaminated the air pollution control system (bag house), slag, and refractory brick (thermal insulation) within the furnace itself. Approximately 50% of the material had low enough levels to material is comprised of 52 drums of bag house dust/bags. The bag house dust is normally considered to be a "toxic" waste because of the levels of lead and cadmium. By adding the additional radioactive constituent of Cesium 137, the waste stream became what is known as a "mixed waste". The disposal options for mixed wastes are additionally restricted since the disposal facility must comply with engineering specifications for not only radioactive wastes, but toxic wastes as well. Alco Pacific received a Radioactive License from the Department of Health Services, Radiological Health Branch, to store this material on a long term basis. After failing four stabilization tests, the Environ Facility in Utah, accepted the mixed waste. The mixed waste was removed, under order to J.C. Shepard in June 1997. The USEPA emergency response removed all residual surface contamination, equipment and buildings in September 1998. The Department wrapped up site characterization activities in 2003 and

Map ID
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Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC, INC. (Continued)

S118756523

begun excavation of 3,600 cubic yards of impacted soil of elevated levels of heavy metals, VOCs, SVOCs, PAHs and PCBs. The remedial goal of unrestricted land use with respect to soil, had been accomplished with the soil removal action. The Site was certified for Soil on January 13, 2006. The Removal Action was initiated 9/30/2004. Six groundwater monitoring wells were installed and continue to be monitored. Elevated levels of metals and VOCs exceeding MCLs persist. Ground Water Monitoring continued until 2012 where decreased concentration but higher than MCLs require attention. Four cost recovery actions have recovered \$2.17 million by 2012. In 2016, efforts to address impacted ground water were revitalized. Site wells indicate low pH, nitrate and hexavalent chromium issues. In March 2017, grab ground water samples were collected from a dozen locations down-gradient of the former Alco Pacific property. Laboratory analytic results indicated no detections for nitrate and hexavalent chromium, suggesting that the ground water plume of contaminants remains close to the former property. In April 2017, two down-gradient wells were installed. These wells are to provide solid information on the state of the plume down-gradient from the former Alco Pacific property.

Envirostor Id: 19340753
Latitude: 33.878151
Longitude: -118.27767
Project Mgr: PETE COOKE
Project Code: 300353, 300464
If Satisfied: NO
Date Satisfied: Not reported
Site Status: CERTIFIED / OPERATION & MAINTENANCE
Site Type: STATE RESPONSE OR NPL
Completed: 02/10/2015
Lien Amount: \$222,818.08
Amount Remaining: Not reported
APNS: Not reported
Description: Alco Pacific operated as a lead recycling facility since 1954. The primary sources of lead was automobile batteries. The batteries were cracked open, drained of acid and the lead re-covered. The rubber debris from seals and plate separators were the only part of the battery that was not recyclable. This waste was stored in a pile on-site. A second pile was comprised of foundary sands used to make molds. When the facility ceased operations in 1990, 1,248 cubic yards of rubber debris (lead content 43,000 ppm) and 126 cubic yards of sand (lead content 1,300 ppm) were left abandoned on-site. These piles were located on pavement, however, there was not any other contaminant to prevent wind dispersal of wastes or to prevent rain leachate from running off of the property. Ninety-eight (98) drums of assorted wastes were also found on the site. Forty-six of these drums were found scattered throughout the site and were buried in the waste piles contained: resins, catalysts, slag recyclable lead, rainwater/ rinseate, and debris. Fifty-two of the drums contained "mixed waste". Facilities Management Branch, who was handling the issues of illegal operation as a TSD facility, referred the Alco Pacific site to the Site Mitigation Branch after it was apparent that there were no funds available to conduct a RCRA closure. Removal of all known wastes (except the 52 drums of mixed waste) were conducted with State funds to eliminate an immediate risk to the public from lead exposure. The waste piles of rubber and sand were disposed in

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC, INC. (Continued)

S118756523

November 1993 and the drummed wastes in April 1994. The drums came to be at Alco when in August of 1988, a load of slag being disposed by Alco Pacific tripped a radiation alarm at the Casmalia facility. A subsequent inspection by Los Angeles County had determined the source of radiation to have come into Alco Pacific via a shipment of lead gauge holders (radiation shields). Evidently, one gauge (radiation source) was left in the gauge holder. When this shipment went through the furnace, it contaminated the air pollution control system (bag house), slag, and refractory brick (thermal insulation) within the furnace itself. Approximately 50% of the material had low enough levels to material is comprised of 52 drums of bag house dust/bags. The bag house dust is normally considered to be a "toxic" waste because of the levels of lead and cadmium. By adding the additional radioactive constituent of Cesium 137, the waste stream became what is known as a "mixed waste". The disposal options for mixed wastes are additionally restricted since the disposal facility must comply with engineering specifications for not only radioactive wastes, but toxic wastes as well. Alco Pacific received a Radioactive License from the Department of Health Services, Radiological Health Branch, to store this material on a long term basis. After failing four stabilization tests, the Environ Facility in Utah, accepted the mixed waste. The mixed waste was removed, under order to J.C. Shepard in June 1997. The USEPA emergency response removed all residual surface contamination, equipment and buildings in September 1998. The Department wrapped up site characterization activities in 2003 and begun excavation of 3,600 cubic yards of impacted soil of elevated levels of heavy metals, VOCs, SVOCs, PAHs and PCBs. The remedial goal of unrestricted land use with respect to soil, had been accomplished with the soil removal action. The Site was certified for Soil on January 13, 2006. The Removal Action was initiated 9/30/2004. Six groundwater monitoring wells were installed and continue to be monitored. Elevated levels of metals and VOCs exceeding MCLs persist. Ground Water Monitoring continued until 2012 where decreased concentration but higher than MCLs require attention. Four cost recovery actions have recovered \$2.17 million by 2012. In 2016, efforts to address impacted ground water were revitalized. Site wells indicate low pH, nitrate and hexavalent chromium issues. In March 2017, grab ground water samples were collected from a dozen locations down-gradient of the former Alco Pacific property. Laboratory analytic results indicated no detections for nitrate and hexavalent chromium, suggesting that the ground water plume of contaminants remains close to the former property. In April 2017, two down-gradient wells were installed. These wells are to provide solid information on the state of the plume down-gradient from the former Alco Pacific property.

Envirostor Id: 19340753
Latitude: 33.878151
Longitude: -118.27767
Project Mgr: PETE COOKE
Project Code: 300353, 300464
If Satisfied: YES
Date Satisfied: 4/1/2016
Site Status: CERTIFIED / OPERATION & MAINTENANCE
Site Type: STATE RESPONSE OR NPL
Completed: 04/15/2005
Lien Amount: \$1,865,198.95

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC, INC. (Continued)

S118756523

Amount Remaining: Not reported
APNS: Not reported
Description: Alco Pacific operated as a lead recycling facility since 1954. The primary sources of lead was automobile batteries. The batteries were cracked open, drained of acid and the lead re-covered. The rubber debris from seals and plate separators were the only part of the battery that was not recyclable. This waste was stored in a pile on-site. A second pile was comprised of foundry sands used to make molds. When the facility ceased operations in 1990, 1,248 cubic yards of rubber debris (lead content 43,000 ppm) and 126 cubic yards of sand (lead content 1,300 ppm) were left abandoned on-site. These piles were located on pavement, however, there was not any other contaminant to prevent wind dispersal of wastes or to prevent rain leachate from running off of the property. Ninety-eight (98) drums of assorted wastes were also found on the site. Forty-six of these drums were found scattered throughout the site and were buried in the waste piles contained: resins, catalysts, slag recyclable lead, rainwater/ rinseate, and debris. Fifty-two of the drums contained "mixed waste". Facilities Management Branch, who was handling the issues of illegal operation as a TSD facility, referred the Alco Pacific site to the Site Mitigation Branch after it was apparent that there were no funds available to conduct a RCRA closure. Removal of all known wastes (except the 52 drums of mixed waste) were conducted with State funds to eliminate an immediate risk to the public from lead exposure. The waste piles of rubber and sand were disposed in November 1993 and the drummed wastes in April 1994. The drums came to be at Alco when in August of 1988, a load of slag being disposed by Alco Pacific tripped a radiation alarm at the Casmalia facility. A subsequent inspection by Los Angeles County had determined the source of radiation to have come into Alco Pacific via a shipment of lead gauge holders (radiation shields). Evidently, one gauge (radiation source) was left in the gauge holder. When this shipment went through the furnace, it contaminated the air pollution control system (bag house), slag, and refractory brick (thermal insulation) within the furnace itself. Approximately 50% of the material had low enough levels to material is comprised of 52 drums of bag house dust/bags. The bag house dust is normally considered to be a "toxic" waste because of the levels of lead and cadmium. By adding the additional radioactive constituent of Cesium 137, the waste stream became what is known as a "mixed waste". The disposal options for mixed wastes are additionally restricted since the disposal facility must comply with engineering specifications for not only radioactive wastes, but toxic wastes as well. Alco Pacific received a Radioactive License from the Department of Health Services, Radiological Health Branch, to store this material on a long term basis. After failing four stabilization tests, the Environ Facility in Utah, accepted the mixed waste. The mixed waste was removed, under order to J.C. Shepard in June 1997. The USEPA emergency response removed all residual surface contamination, equipment and buildings in September 1998. The Department wrapped up site characterization activities in 2003 and begun excavation of 3,600 cubic yards of impacted soil of elevated levels of heavy metals, VOCs, SVOCs, PAHs and PCBs. The remedial goal of unrestricted land use with respect to soil, had been accomplished with the soil removal action. The Site was certified for Soil on January 13, 2006. The Removal Action was initiated 9/30/2004. Six groundwater monitoring wells were installed and continue to be monitored. Elevated levels of metals and VOCs exceeding MCLs persist.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ALCO PACIFIC, INC. (Continued)

S118756523

Ground Water Monitoring continued until 2012 where decreased concentration but higher than MCLs require attention. Four cost recovery actions have recovered \$2.17 million by 2012. In 2016, efforts to address impacted ground water were revitalized. Site wells indicate low pH, nitrate and hexavalent chromium issues. In March 2017, grab ground water samples were collected from a dozen locations down-gradient of the former Alco Pacific property. Laboratory analytic results indicated no detections for nitrate and hexavalent chromium, suggesting that the ground water plume of contaminants remains close to the former property. In April 2017, two down-gradient wells were installed. These wells are to provide solid information on the state of the plume down-gradient from the former Alco Pacific property.

Z110
SSE
 1/4-1/2
 0.281 mi.
 1485 ft.

ALCO PACIFIC
16914 BROADWAY
GARDENA, CA 90248
 Site 4 of 6 in cluster Z

HIST CORTESE **S105023874**
N/A

Relative:
Lower
Actual:
 37 ft.

HIST CORTESE:
 Region: CORTESE
 Facility County Code: 19
 Reg By: CALSI
 Reg Id: 19340753

Z111
SSE
 1/4-1/2
 0.281 mi.
 1485 ft.

ALCO PACIFIC SITE
16914 S BROADWAY
CARSON, CA 90749
 Site 5 of 6 in cluster Z

SEMS-ARCHIVE **1015732657**
CORRACTS **CAD008387250**
RCRA NonGen / NLR
2020 COR ACTION
PRP

Relative:
Lower
Actual:
 37 ft.

SEMS Archive:
 Site ID: 0904453
 EPA ID: CAD008387250
 Cong District: 31
 FIPS Code: 06037
 FF: N
 NPL: Not on the NPL
 Non NPL Status: Deferred to RCRA (Subtitle C)
 Latitude: 33.880278
 Longitude: -118.276111

SEMS Archive Detail:

Region: 09
 Site ID: 0904453
 EPA ID: CAD008387250
 Site Name: ALCO PACIFIC INC.
 NPL: N
 FF: N
 OU: 00
 Action Code: VS
 Action Name: ARCH SITE
 SEQ: 1
 Start Date: Not reported
 Finish Date: 1996-01-23 05:00:00
 Qual: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC SITE (Continued)

1015732657

Current Action Lead:	EPA Perf In-Hse
Region:	09
Site ID:	0904453
EPA ID:	CAD008387250
Site Name:	ALCO PACIFIC INC.
NPL:	N
FF:	N
OU:	00
Action Code:	RV
Action Name:	RMVL
SEQ:	1
Start Date:	1998-05-11 04:00:00
Finish Date:	1998-06-23 04:00:00
Qual:	S
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0904453
EPA ID:	CAD008387250
Site Name:	ALCO PACIFIC INC.
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1991-09-15 04:00:00
Finish Date:	1991-09-15 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0904453
EPA ID:	CAD008387250
Site Name:	ALCO PACIFIC INC.
NPL:	N
FF:	N
OU:	00
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	1
Start Date:	1998-09-01 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0904453
EPA ID:	CAD008387250
Site Name:	ALCO PACIFIC INC.
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC SITE (Continued)

1015732657

Start Date: Not reported
Finish Date: 1992-10-30 05:00:00
Qual: D
Current Action Lead: EPA Perf

Region: 09
Site ID: 0904453
EPA ID: CAD008387250
Site Name: ALCO PACIFIC INC.
NPL: N
FF: N
OU: 00
Action Code: CQ
Action Name: CLSOUT R
SEQ: 1
Start Date: Not reported
Finish Date: 2001-07-27 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0904453
EPA ID: CAD008387250
Site Name: ALCO PACIFIC INC.
NPL: N
FF: N
OU: 00
Action Code: BB
Action Name: PRP RV
SEQ: 1
Start Date: 1998-06-23 04:00:00
Finish Date: 1998-07-30 04:00:00
Qual: C
Current Action Lead: EPA Ovrsght

CORRACTS:

EPA ID: CAD008387250
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20080416
Action: CA550RC
NAICS Code(s): Not reported
Original schedule date: 20080516
Schedule end date: Not reported

EPA ID: CAD008387250
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20060830
Action: CA400 - Date For Remedy Selection (CM Imposed)
NAICS Code(s): Not reported
Original schedule date: 20060830
Schedule end date: Not reported

EPA ID: CAD008387250
EPA Region: 9

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC SITE (Continued)

1015732657

Area Name: ENTIRE FACILITY
Actual Date: 20060802
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): Not reported
Original schedule date: 20060802
Schedule end date: Not reported

EPA ID: CAD008387250
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20060802
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): Not reported
Original schedule date: 20060802
Schedule end date: Not reported

EPA ID: CAD008387250
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19980518
Action: CA750NO - Migration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected
NAICS Code(s): Not reported
Original schedule date: 19980518
Schedule end date: Not reported

EPA ID: CAD008387250
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19980518
Action: CA725NO - Current Human Exposures Under Control, Current human exposures are NOT under control
NAICS Code(s): Not reported
Original schedule date: 19980518
Schedule end date: Not reported

EPA ID: CAD008387250
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19940615
Action: CA225YE - Stabilization Measures Evaluation, This facility ,is amenable to stabilization activity based on the, status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations
NAICS Code(s): Not reported
Original schedule date: 19940615
Schedule end date: Not reported

EPA ID: CAD008387250
EPA Region: 9
Area Name: ONSITE SOIL
Actual Date: 19940501
Action: CA650 - Stabilization Construction Completed
NAICS Code(s): Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC SITE (Continued)

1015732657

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008387250
EPA Region: 9
Area Name: ONSITE SOIL
Actual Date: 19930831
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment

NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008387250
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19921207
Action: CA225YE - Stabilization Measures Evaluation, This facility is amenable to stabilization activity based on the status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations

NAICS Code(s): Not reported
Original schedule date: 19921207
Schedule end date: Not reported

EPA ID: CAD008387250
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19921014
Action: CA050 - RFA Completed
NAICS Code(s): Not reported
Original schedule date: 19921014
Schedule end date: Not reported

RCRA NonGen / NLR:

Date form received by agency: 08/13/1998
Facility name: ALCO PACIFIC SITE
Facility address: 16914 S BROADWAY
CARSON, CA 90749
EPA ID: CAD008387250
Contact: TROY BUTT
Contact address: ENTACT 1616 CORPORATE CT STE 150
IRVING, TX 75038
Contact country: US
Contact telephone: 972-580-1323
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC SITE (Continued)

1015732657

Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: ALCO PACIFIC SITE GROUP
Owner/operator address: 124 DEBORAH DR
READING, PA 19610

Owner/operator country: Not reported
Owner/operator telephone: 610-670-7310
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D008
. Waste name: LEAD

. Waste code: K069
. Waste name: EMISSION CONTROL DUST/SLUDGE FROM SECONDARY LEAD SMELTING. (NOTE: THIS LISTING IS STAYED ADMINISTRATIVELY FOR SLUDGE GENERATED FROM SECONDARY ACID SCRUBBER SYSTEMS. THE STAY WILL REMAIN IN EFFECT UNTIL FURTHER ADMINISTRATIVE ACTION IS TAKEN. IF EPA TAKES FURTHER ACTION EFFECTING THIS STAY, EPA WILL PUBLISH A NOTICE OF THE ACTION IN THE FEDERAL REGISTER.

Historical Generators:

Date form received by agency: 09/01/1996
Site name: ALCO PACIFIC SITE
Classification: Large Quantity Generator

Date form received by agency: 04/03/1991
Site name: ALCO PACIFIC INC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC SITE (Continued)

1015732657

Classification: Large Quantity Generator

Corrective Action Summary:

Event date: 10/14/1992
Event: LEAD AGENCY DETERMINATION

Event date: 10/14/1992
Event: RFA COMPLETED

Event date: 10/14/1992
Event: RFA COMPLETED-ASSESSMENT WAS A PA-PLUS

Event date: 10/14/1992
Event: CA PRIORITIZATION-MEDIUM CA PRIORITY

Event date: 12/07/1992
Event: STABILIZATION MEASURES EVALUATION-FACILITY IS AMENABLE TO STABILIZATION

Event date: 12/07/1992
Event: STABILIZATION MEASURES EVALUATION-FACILITY IS AMENABLE TO STABILIZATION

Event date: 12/07/1992
Event: CA PRIORITIZATION-MEDIUM CA PRIORITY

Event date: 08/31/1993
Event: STABILIZATION/INTERIM MEASURES DECISION-PRIMARY MEAS IS SOURCE REMOVL &/OR TRT

Event date: 05/01/1994
Event: STABILIZATION CONSTRUCTION COMPLETED

Event date: 06/13/1994
Event: CA PRIORITIZATION-HIGH CA PRIORITY

Event date: 06/15/1994
Event: STABILIZATION MEASURES EVALUATION-FACILITY IS AMENABLE TO STABILIZATION

Event date: 06/15/1994
Event: STABILIZATION MEASURES EVALUATION-FACILITY IS AMENABLE TO STABILIZATION

Event date: 05/18/1998
Event: REFERRED TO A NON-RCRA AUTHORITY

Event date: 05/18/1998
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION

Event date: 05/18/1998
Event: RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION

Event date: 05/18/1998
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-FACILITY DOES NOT MEET

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ALCO PACIFIC SITE (Continued)

1015732657

DEFINITION

Event date: 05/18/1998
 Event: RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION

Event date: 08/02/2006
 Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 08/02/2006
 Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 08/02/2006
 Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 08/30/2006
 Event: REMEDY DECISION

Event date: 08/30/2006
 Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 08/30/2006
 Event: REMEDY DECISION

Event date: 04/16/2008
 Event: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Violation Status: No violations found

2020 COR ACTION:
 EPA ID: CAD008387250
 Region: 9
 Action: Remedy Construction

Z112
 SSE
 1/4-1/2
 0.281 mi.
 1485 ft.

ALCO PACIFIC INC
16914 S BROADWAY
GARDENA, CA 90248
Site 6 of 6 in cluster Z

ENVIROSTOR 1006933256
HWP N/A

Relative:
Lower
Actual:
37 ft.

ENVIROSTOR:
 Facility ID: 80001579
 Status: Refer: SMBRP
 Status Date: 05/18/1998
 Site Code: Not reported
 Site Type: Corrective Action
 Site Type Detailed: Corrective Action
 Acres: 0
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: MBR
 Program Manager: Not reported
 Supervisor: * Unknown
 Division Branch: Cleanup Chatsworth
 Assembly: 64

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC INC (Continued)

1006933256

Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.88561
Longitude: -118.2783
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD008387250
Alias Type: EPA Identification Number
Alias Name: 110000913370
Alias Type: EPA (FRS #)
Alias Name: 80001579
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ONSITE SOIL
Completed Document Type: Interim Measures Implementation Report
Completed Date: 05/01/1994
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ONSITE SOIL
Completed Document Type: Interim Measures Workplan
Completed Date: 08/31/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 12/07/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 06/15/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 05/12/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 10/14/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC INC (Continued)

1006933256

Completed Document Type: Groundwater Migration Controlled
Completed Date: 05/18/1998
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 08/02/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Constructed
Completed Date: 04/16/2008
Comments: Remedy Construction Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 05/18/1998
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 08/02/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Remedy Selected
Completed Date: 08/30/2006
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HWP:

EPA Id: CAD008387250
Cleanup Status: UNDERGOING CLOSURE
Latitude: 33.88561
Longitude: -118.2783
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: Not reported
Assembly District: 64
Senate District: 35
Public Information Officer: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALCO PACIFIC INC (Continued)

1006933256

Public Information Officer: Not reported

Closure:
EPA Id: CAD008387250
Facility Type: Historical - Non-Operating
Unit Names: BIF1
Event Description: Referred for closure to other agency - REFERRED FOR CLOSURE TO OTHER AGENCY
Actual Date: 05/18/1998

Alias:
EPA Id: CAD008387250
Facility Type: Historical - Non-Operating
Alias Type: FRS
Alias: 110000913370

113
East
1/4-1/2
0.292 mi.
1544 ft.

AIRCRAFT HYDRO-FORMING
155 E GARDENA BLVD
CARSON, CA 90248

LUST S102055756
LOS ANGELES CO. HMS N/A

Relative:
Higher
Actual:
45 ft.

LUST:
Lead Agency: LOS ANGELES COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000000998
Global Id: T10000000998
Latitude: 33.8825999
Longitude: -118.273808
Status: Completed - Case Closed
Status Date: 07/08/1986
Case Worker: Not reported
RB Case Number: Not reported
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: 006100-010354
Potential Media Affect: Not reported
Potential Contaminants of Concern: Not reported
Site History: Site is adjacent to 131 E Gardena Blvd, which was the mailing address for operation. 155 E Gardena Blvd is actual parcel.

LUST:
Global Id: T10000000998
Contact Type: Local Agency Caseworker
Contact Name: DAVID ESFANDI
Organization Name: LOS ANGELES COUNTY
Address: Not reported
City: ALHAMBRA
Email: Not reported
Phone Number: 6264583510

Global Id: T10000000998
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIRCRAFT HYDRO-FORMING (Continued)

S102055756

Phone Number: Not reported

LUST:

Global Id: T10000000998
Action Type: Other
Date: 11/22/1985
Action: Leak Stopped

Global Id: T10000000998
Action Type: ENFORCEMENT
Date: 07/08/1986
Action: Closure/No Further Action Letter

Global Id: T10000000998
Action Type: Other
Date: 11/22/1985
Action: Leak Reported

Global Id: T10000000998
Action Type: Other
Date: 11/22/1985
Action: Leak Discovery

LUST:

Global Id: T10000000998
Status: Completed - Case Closed
Status Date: 07/08/1986

Global Id: T10000000998
Status: Open - Case Begin Date
Status Date: 11/22/1985

LOS ANGELES CO. HMS:

Region: LA
Permit Category: I
Facility Id: 006100-I06315
Facility Type: 01
Facility Status: Closed
Area: 22
Permit Number: 000004313
Permit Status: Closed

Region: LA
Permit Category: Not reported
Facility Id: 006100-006315
Facility Type: Not reported
Facility Status: OPEN
Area: 22
Permit Number: Not reported
Permit Status: Not reported

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

X114 **AB PLASTICS**
NNW **15730 FIGUEROA**
1/4-1/2 **GARDENA, CA 90248**
0.301 mi.
1589 ft. **Site 2 of 3 in cluster X**

HIST CORTESE **S105023877**
N/A

Relative: HIST CORTESE:
Higher Region: CORTESE
Actual: Facility County Code: 19
49 ft. Reg By: LTNKA
 Reg Id: I-10698

X115 **AB PLASTICS**
NNW **15730 FIGUEROA ST S**
1/4-1/2 **GARDENA, CA 90248**
0.301 mi.
1589 ft. **Site 3 of 3 in cluster X**

LUST **U002283860**
N/A

Relative: LUST:
Higher Lead Agency: LOS ANGELES RWQCB (REGION 4)
Actual: Case Type: LUST Cleanup Site
49 ft. Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603703649
 Global Id: T0603703649
 Latitude: 33.8887678
 Longitude: -118.2827752
 Status: Completed - Case Closed
 Status Date: 07/18/1996
 Case Worker: YR
 RB Case Number: I-10698
 Local Agency: LOS ANGELES COUNTY
 File Location: Not reported
 Local Case Number: Not reported
 Potential Media Affect: Soil
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

LUST:
Global Id: T0603703649
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603703649
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603703649
Action Type: Other
Date: 09/07/1993
Action: Leak Reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AB PLASTICS (Continued)

U002283860

Global Id: T0603703649
Action Type: Other
Date: 05/30/1993
Action: Leak Discovery

LUST:

Global Id: T0603703649
Status: Completed - Case Closed
Status Date: 07/18/1996

Global Id: T0603703649
Status: Open - Case Begin Date
Status Date: 05/30/1993

Global Id: T0603703649
Status: Open - Site Assessment
Status Date: 09/07/1993

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-10698
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603703649
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: 5/30/1993
Date Leak First Reported: 9/7/1993
Date Leak Record Entered: 5/22/1995
Date Confirmation Began: 9/7/1993
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 5/22/1995
Date the Case was Closed: 7/18/1996
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 4097.3212435918514918617457822
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

AB PLASTICS (Continued)

U002283860

Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	AB PLASTICS
RP Address:	15730 S FIGUEROA ST GARDENA CA 90248
Program:	LUST
Lat/Long:	33.8887678 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	Not reported

AA116
NNE
1/4-1/2
0.308 mi.
1625 ft.

RELiance UPHOLSTERY SUPPL
15902 MAIN
GARDENA, CA 90248
Site 1 of 2 in cluster AA

HIST CORTESE **S105023881**
N/A

Relative:
Higher
Actual:
48 ft.

HIST CORTESE:	
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-00082

AA117
NNE
1/4-1/2
0.312 mi.
1649 ft.

RELiance UPHOLSTERY SUPPLY CO.
15902 MAIN ST S
ROSEWOOD, CA 90248
Site 2 of 2 in cluster AA

LUST **S101296205**
N/A

Relative:
Higher
Actual:
48 ft.

LUST:	
Lead Agency:	LOS ANGELES COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603702664
Global Id:	T0603702664
Latitude:	33.887496
Longitude:	-118.275867
Status:	Completed - Case Closed
Status Date:	11/28/1995
Case Worker:	JOA
RB Case Number:	I-00082
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RELiance UPHOLSTERY SUPPLY CO. (Continued)

S101296205

Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0603702664
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603702664
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0603702664
Action Type: Other
Date: 08/30/1990
Action: Leak Reported

Global Id: T0603702664
Action Type: Other
Date: 07/30/1990
Action: Leak Discovery

Global Id: T0603702664
Action Type: Other
Date: 07/30/1990
Action: Leak Stopped

LUST:

Global Id: T0603702664
Status: Completed - Case Closed
Status Date: 11/28/1995

Global Id: T0603702664
Status: Open - Case Begin Date
Status Date: 07/30/1990

Global Id: T0603702664
Status: Open - Remediation
Status Date: 11/01/1995

Global Id: T0603702664
Status: Open - Site Assessment
Status Date: 09/12/1995

Global Id: T0603702664
Status: Open - Site Assessment

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RELIANCE UPHOLSTERY SUPPLY CO. (Continued)

S101296205

Status Date: 10/15/1995

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-00082
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Excavate and Treat
Global ID: T0603702664
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: ALONDRA BLVD.
Enforcement Type: Not reported
Date Leak Discovered: 7/30/1990
Date Leak First Reported: 8/30/1990
Date Leak Record Entered: 12/2/1990
Date Confirmation Began: Not reported
Date Leak Stopped: 7/30/1990
Date Case Last Changed on Database: 11/14/1995
Date the Case was Closed: 11/28/1995
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: RICHARD R CELEKETIC, V.P.
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 5086.4675866036498866108888491
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: 9/12/1995
Preliminary Site Assessment Began: 10/15/1995
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: 11/1/1995
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: RELIANCE UPHOLSTERY SUPPLY CO.
RP Address: 137 ALONDRA BLVD., E., GARDENA, 90248
Program: LUST
Lat/Long: 33.887496 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RELIANCE UPHOLSTERY SUPPLY CO. (Continued)

S101296205

Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: REFER TO LA CO COMPLETE RECORD FOR STATUS 9

118
East
1/4-1/2
0.322 mi.
1700 ft.

SOS METALS-INC
201 E GARDENA BLVD.
GARDENA, CA 90248

ENVIROSTOR **U001567056**
HIST UST **N/A**

Relative:
Higher
Actual:
47 ft.

ENVIROSTOR:
Facility ID: 60000314
Status: Inactive - Action Required
Status Date: 06/01/2005
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 1
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Juli Propes
Division Branch: Cleanup Chatsworth
Assembly: 64
Senate: 35
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.88306
Longitude: -118.2733
APN: 6125016017
Past Use: RECYCLING - SCRAP METAL
Potential COC: Lead Polynuclear aromatic hydrocarbons (PAHs)
Confirmed COC: 30019-NO 30013-NO
Potential Description: SOIL
Alias Name: 6125016017
Alias Type: APN
Alias Name: 60000314
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/19/2006
Comments: EPA APPROVAL BY MATT MITGUARD (PROJECT OFFICER)

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOS METALS-INC (Continued)

U001567056

Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HIST UST:

File Number: 00026CA6
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026CA6.pdf>
Region: STATE
Facility ID: 00000063292
Facility Type: Other
Other Type: CONSTRUCTION
Contact Name: ART O'BRIEN
Telephone: 2133278190
Owner Name: GUST K. NEWBERG CONSTRUCTION C
Owner Address: 2120 WEST 8TH STREET, SUITE 30
Owner City,St,Zip: LOS ANGELES, CA 90057
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: 1974
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

[Click here for Geo Tracker PDF:](#)

AB119
North
1/4-1/2
0.329 mi.
1739 ft.

ELIXIR INDUSTRIES
15722 BROADWAY
GARDENA, CA 90248
Site 1 of 2 in cluster AB

HIST CORTESE **S105023873**
N/A

Relative:
Lower

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-00709

Actual:
42 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AC120
NE
1/4-1/2
0.359 mi.
1894 ft.

RAM CHEMICAL CORPORATION
210 EAST ALONDRA BOULEVARD
GARDENA, CA 90248

ENVIROSTOR S108746921
N/A

Site 1 of 2 in cluster AC

Relative:
Higher
Actual:
49 ft.

ENVIROSTOR:
Facility ID: 19280307
Status: Refer: Other Agency
Status Date: 04/14/1995
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.88527
Longitude: -118.2733
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * ORGANIC LIQUIDS WITH METALS * ORGANIC SOLIDS WITH HALOGENS * OTHER
ORGANIC SOLIDS * ACID SOLUTION 2>PH WITH METALS * Sludge - Paint *
UNSPECIFIED AQUEOUS SOLUTION * UNSPECIFIED SOLVENT MIXTURES *
POLYMERIC RESIN WASTE Polychlorinated biphenyls (PCBs)
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: GARAN CHEMICAL (1950-?)
Alias Type: Alternate Name
Alias Name: WHITTAKER CORP, L.A. COATINGS & CHEM DIV
Alias Type: Alternate Name
Alias Name: CAD071911051
Alias Type: EPA Identification Number
Alias Name: 110000474576
Alias Type: EPA (FRS #)
Alias Name: CAD071911051
Alias Type: HWTS Identification Code
Alias Name: 19280307
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 02/26/1982
Comments: FACILITY IDENTIFIED L.A. CHAM. COMM. BUS. DIR. 1969

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 04/14/1995

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

RAM CHEMICAL CORPORATION (Continued)

S108746921

Comments: NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 09/28/1988
 Comments: SITE SCREENING DONE E&E REVIEW OF PA COMPLETED BY DHS IN MARCH 1985 RECOMMENDS MEDIUM PRIORITY SSI UNDER CERCLA DHS AGREES WITH THIS RECOMMENDATION

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Preliminary Assessment Report
 Completed Date: 06/30/1985
 Comments: SOURCE ACT: ASP SURVEY 5/25/82 - MFG OF COATINGS FOR THE REINFORCED FIBER GLASS INDUSTRY, OF POLYESTER GEL COATS, PIGMENT 20-84. DISPERSIONS & RELEASE AGENTS (GARAN) ROBERT STEINMAN, SAME PROCESS AS RAM CHEM SUBMIT TO EPA PRELIM ASSESS DONE CERCLA 104

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

**AC121
 NE
 1/4-1/2
 0.359 mi.
 1894 ft.**

**EPS DBA VALSPAR
 210 E ALONDRA BLVD
 GARDENA, CA 90248
 Site 2 of 2 in cluster AC**

**SEMS-ARCHIVE 1000106836
 HIST UST CAD071911051
 RCRA NonGen / NLR
 US AIRS**

**Relative:
 Higher
 Actual:
 49 ft.**

SEMS Archive:
 Site ID: 0901558
 EPA ID: CAD071911051
 Cong District: 31
 FIPS Code: 06037
 FF: N
 NPL: Not on the NPL
 Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information
 Latitude: 33.885694
 Longitude: -118.272917

SEMS Archive Detail:
 Region: 09
 Site ID: 0901558
 EPA ID: CAD071911051
 Site Name: RAM CHEM
 NPL: N
 FF: N
 OU: 00
 Action Code: VS
 Action Name: ARCH SITE
 SEQ: 1
 Start Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EPS DBA VALSPAR (Continued)

1000106836

Finish Date: 1994-06-20 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0901558
EPA ID: CAD071911051
Site Name: RAM CHEM
NPL: N
FF: N
OU: 00
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: Not reported
Finish Date: 1989-09-18 04:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901558
EPA ID: CAD071911051
Site Name: RAM CHEM
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1988-11-10 05:00:00
Qual: L
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901558
EPA ID: CAD071911051
Site Name: RAM CHEM
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1985-09-01 05:00:00
Finish Date: 1985-09-01 05:00:00
Qual: Not reported
Current Action Lead: St Perf

Region: 09
Site ID: 0901558
EPA ID: CAD071911051
Site Name: RAM CHEM
NPL: N
FF: N
OU: 00
Action Code: PA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EPS DBA VALSPAR (Continued)

1000106836

Action Name: PA
SEQ: 2
Start Date: 1985-07-01 05:00:00
Finish Date: 1986-01-01 05:00:00
Qual: L
Current Action Lead: St Perf

HIST UST:

File Number: 00028815
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028815.pdf>
Region: STATE
Facility ID: 00000008087
Facility Type: Other
Other Type: MFG. OF CHEMICALS
Contact Name: R. E. DESORDA
Telephone: 2133210710
Owner Name: WHITTAKER CORPORATION
Owner Address: 10880 WILSHIRE BLVD.
Owner City,St,Zip: LOS ANGELES, CA 90024
Total Tanks: 0005

Tank Num: 001
Container Num: #1
Year Installed: 1964
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: #5
Year Installed: 1964
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: #4
Year Installed: 1964
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: #3
Year Installed: 1964
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EPS DBA VALSPAR (Continued)

1000106836

Tank Num: 005
Container Num: #2
Year Installed: 1964
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

[Click here for Geo Tracker PDF:](#)

RCRA NonGen / NLR:

Date form received by agency: 03/02/2010
Facility name: EPS DBA VALSPAR
Facility address: 210 E ALONDRA BLVD
GARDENA, CA 90248
EPA ID: CAD071911051
Mailing address: 5523 E SLAUSON AVE
LOS ANGELES, CA 90040
Contact: ARCHIE JACKSON
Contact address: 5523 E SLAUSON AVE
LOS ANGELES, CA 90040
Contact country: US
Contact telephone: 323-889-2515
Contact email: Not reported
EPA Region: 09
Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: VALSPAR COATING
Owner/operator address: 1101 S. THIRD STREET
MINNEAPOLIS, MN 55415
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 02/01/1994
Owner/Op end date: Not reported

Owner/operator name: VALSPAR CORP
Owner/operator address: 1101 SOUTH 3RD STREET
MINNEAPOLIS, MN 55415
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/24/2001
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EPS DBA VALSPAR (Continued)

1000106836

Owner/operator name: VALSPAR CORP
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/24/2001
Owner/Op end date: Not reported

Owner/operator name: VALSPAR COATING
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/24/2001
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/28/2008
Site name: EPS D.B.A. VALSPAR COATING
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EPS DBA VALSPAR (Continued)

1000106836

- . Waste code: D002
- . Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

- . Waste code: D007
- . Waste name: CHROMIUM

- . Waste code: D008
- . Waste name: LEAD

- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE

- . Waste code: F001
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: U171
- . Waste name: 2-NITROPROPANE (I,T)

- . Waste code: U197
- . Waste name: P-BENZOQUINONE

Date form received by agency: 03/20/2006

Site name: EPS D.B.A. VALSPAR COATING

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EPS DBA VALSPAR (Continued)

1000106836

Classification: Small Quantity Generator

Date form received by agency: 03/20/2006

Site name: EPS D.B.A. VALSPAR COATING

Classification: Large Quantity Generator

. Waste code: 342
. Waste name: Organic liquids with metals (see 121)

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/25/2002

Site name: EPS D/B/A VALSPAR

Classification: Large Quantity Generator

Date form received by agency: 12/13/2001

Site name: E P S DBA VALSPAR COATINGS

Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EPS DBA VALSPAR (Continued)

1000106836

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 10/12/2000
Site name: LILLY INDUSTRIES, INC.
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Site name: LILLY INDUSTRIES, INC.
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: E P S DBA VALSPAR COATINGS
Classification: Small Quantity Generator

Date form received by agency: 02/21/1996
Site name: LILLY INDUSTRIES, INC.
Classification: Large Quantity Generator

Date form received by agency: 03/20/1994
Site name: LILLY INDUSTRIES, INC.
Classification: Large Quantity Generator

Date form received by agency: 03/19/1992
Site name: LILLY INDUSTRIES INC
Classification: Large Quantity Generator

Date form received by agency: 04/04/1990
Site name: LILLY-RAM/WHITTAKER CORP L.A. COATINGS &
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 05/06/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EPS DBA VALSPAR (Continued)

1000106836

Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 02/02/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

US AIRS MINOR:

Envid: 1000106836
Region Code: 09
Programmatic ID: AIR CASCA00006037MAC01
Facility Registry ID: 110000474576
D and B Number: Not reported
Primary SIC Code: 9999
NAICS Code: 325510
Default Air Classification Code: MIN
Facility Type of Ownership Code: POF
Air CMS Category Code: Not reported
HPV Status: Not reported

US AIRS MINOR:

Envid: 1000106836
Region Code: 09
Programmatic ID: AIR CASCA00006037MAC01
Facility Registry ID: 110000474576
D and B Number: Not reported
Primary SIC Code: 9999
NAICS Code: 325510
Default Air Classification Code: MIN
Facility Type of Ownership Code: POF
Air CMS Category Code: Not reported
HPV Status: Not reported

122
NNE
1/4-1/2
0.360 mi.
1899 ft.

TRICO - INDUSTRIES
15707 MAIN ST S
GARDENA, CA 90248

LUST S103437927
CPS-SLIC N/A
HIST CORTESE

Relative:
Higher
Actual:
47 ft.

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-20820
Status: Case Closed
Substance: Solvents
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603705315
W Global ID: Not reported
Staff: SLC
Local Agency: 19000
Cross Street: ALONDRA BLVD
Enforcement Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRICO - INDUSTRIES (Continued)

S103437927

Date Leak Discovered: 8/14/1990
Date Leak First Reported: 12/18/1990
Date Leak Record Entered: 1/11/1991
Date Confirmation Began: Not reported
Date Leak Stopped: 8/14/1990
Date Case Last Changed on Database: 7/30/1998
Date the Case was Closed: 7/30/1997
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: WHALEN, RAY
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 4486.6100875363924740194360111
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: 12/18/1990
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 9/29/1992
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: TRICO INDUSTRIES, INC.
RP Address: 3040 E SLAUSON AVE, HUNTINGTON PARK, CA 90255
Program: SLIC
Lat/Long: 33.8892009 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: LOP/LOW - MINOR OR NO POTENTIAL WATER RESOURCE IMPACT
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: SUBSTANCES ARE VARIOUS SOLVENTS AND PETROLEUM HYDROCARBONS. SITE IS LOCATED @ 15805 S MAIN BUT REPORTS HAVE 15707 S MAIN WHICH IS THE OFFICE ADDRESS. SO RPTS CAN BE LOGGED IN, THE 15707 ADDRESS IS USED. REFER TO SLIC #391

CPS-SLIC:

Region: STATE
Facility Status: Completed - Case Closed
Status Date: 06/30/2002
Global Id: SLT43242240
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.88863
Longitude: -118.27666
Case Type: Cleanup Program Site
Case Worker: SR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRICO - INDUSTRIES (Continued)

S103437927

Local Agency: Not reported
RB Case Number: 0391
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-20820

**AB123
North
1/4-1/2
0.363 mi.
1919 ft.**

**ELIXIR INDUSTRIES
15722 BROADWAY S
ROSEWOOD, CA 90248
Site 2 of 2 in cluster AB**

**LUST U002277872
N/A**

**Relative:
Higher
Actual:
43 ft.**

LUST:

Lead Agency: LOS ANGELES COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704537
Global Id: T0603704537
Latitude: 33.8889769
Longitude: -118.2783461
Status: Completed - Case Closed
Status Date: 04/22/1988
Case Worker: JOA
RB Case Number: R-00709
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Aviation
Site History: Not reported

LUST:

Global Id: T0603704537
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603704537
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELIXIR INDUSTRIES (Continued)

U002277872

LUST:

Global Id: T0603704537
Action Type: Other
Date: 12/17/1984
Action: Leak Reported

LUST:

Global Id: T0603704537
Status: Completed - Case Closed
Status Date: 04/22/1988

Global Id: T0603704537
Status: Open - Case Begin Date
Status Date: 12/17/1984

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-00709
Status: Case Closed
Substance: 1
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704537
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: 157TH
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 12/17/1984
Date Leak Record Entered: 12/31/1986
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 4/22/1988
Date the Case was Closed: 4/22/1988
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 4291.6068367756267680854068211
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ELIXIR INDUSTRIES (Continued)

U002277872

Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	BLANK RP
RP Address:	Not reported
Program:	LUST
Lat/Long:	33.8889769 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	NO CONTAMINATION WAS FOUND. CASE WAS NEVER REFERRED TO RB. LA CO DPW IS THE LEAD AGENCY.

AD124
South
1/4-1/2
0.380 mi.
2004 ft.

TRIMEN SALES INC
17021 S BROADWAY
GARDENA, CA 90248
Site 1 of 2 in cluster AD

CPS-SLIC **U001563202**
HIST UST **N/A**
LOS ANGELES CO. HMS

Relative:
Lower
Actual:
35 ft.

CPS-SLIC:	
Region:	STATE
Facility Status:	Completed - Case Closed
Status Date:	06/07/1995
Global Id:	SL374432456
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.87655
Longitude:	-118.27854
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0413
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HIST UST:	
File Number:	00028DDA
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028DDA.pdf
Region:	STATE
Facility ID:	00000034017
Facility Type:	Other
Other Type:	OIL DISTRIBUTOR
Contact Name:	RAY BARTON
Telephone:	2133235410
Owner Name:	TRIMEN SALES INC

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

TRIMEN SALES INC (Continued)

U001563202

Owner Address: 17021 S BROADWAY
 Owner City,St,Zip: GARDENA, CA 90248
 Total Tanks: 0001

Tank Num: 001
 Container Num: 01
 Year Installed: Not reported
 Tank Capacity: 00000000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Container Construction Thickness: Not reported
 Leak Detection: Stock Inventor

Click here for Geo Tracker PDF:

LOS ANGELES CO. HMS:

Region: LA
 Permit Category: Not reported
 Facility Id: 002502-011377
 Facility Type: Not reported
 Facility Status: Removed
 Area: 22
 Permit Number: Not reported
 Permit Status: Not reported

AD125
 South
 1/4-1/2
 0.380 mi.
 2004 ft.

TRIMEN OIL
17021 BROADWAY
GARDENA, CA 90248
 Site 2 of 2 in cluster AD

CPS-SLIC S103878674
N/A

Relative:
Lower
Actual:
35 ft.

SLIC REG 4:
 Region: 4
 Facility Status: No further action required
 SLIC: 0413
 Substance: TPH
 Staff: Manjulika Chakarbarti

126
 SSW
 1/4-1/2
 0.383 mi.
 2023 ft.

AMERICAN RACING EQUIP, INC.
17006 S. FIGUEROA STREET
CARSON, CA 90248

ENVIROSTOR S111842244
N/A

Relative:
Lower
Actual:
33 ft.

ENVIROSTOR:
 Facility ID: 71002599
 Status: No Further Action
 Status Date: 09/15/2010
 Site Code: 550054
 Site Type: Tiered Permit
 Site Type Detailed: Tiered Permit
 Acres: 2
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: NONE SPECIFIED
 Program Manager: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN RACING EQUIP, INC. (Continued)

S111842244

Supervisor: Robert Senga
Division Branch: Cleanup Chatsworth
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.87674
Longitude: -118.2823
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD081094526
Alias Type: EPA Identification Number
Alias Name: 110000474610
Alias Type: EPA (FRS #)
Alias Name: 550054
Alias Type: Project Code (Site Code)
Alias Name: 71002599
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Workplan
Completed Date: 01/23/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Implementation Report
Completed Date: 12/30/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 02/09/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Workplan
Completed Date: 09/30/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 10/10/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN RACING EQUIP, INC. (Continued)

S111842244

Completed Date: 04/11/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 01/23/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Compliance Verification
Completed Date: 01/25/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 04/11/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * IM Public Participation
Completed Date: 01/23/2007
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

127
NE
1/4-1/2
0.394 mi.
2079 ft.

SPARKLETTS DRINKING WATER CO
221 ALONDRA BLVD
GARDENA, CA 90248

SEMS-ARCHIVE 1015732728
RCRA-SQG CAD044408888

Relative:
Higher
Actual:
50 ft.

SEMS Archive:
Site ID: 0903626
EPA ID: CAD044408888
Cong District: 31
FIPS Code: 06037
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information
Latitude: 33.873333
Longitude: -118.276667

SEMS Archive Detail:
Region: 09
Site ID: 0903626
EPA ID: CAD044408888

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPARKLETTS DRINKING WATER CO (Continued)

1015732728

Site Name: SPARKLETTS DRINKING WATER CO
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1990-03-01 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0903626
EPA ID: CAD044408888
Site Name: SPARKLETTS DRINKING WATER CO
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1990-03-01 05:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 09
Site ID: 0903626
EPA ID: CAD044408888
Site Name: SPARKLETTS DRINKING WATER CO
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1989-06-16 04:00:00
Finish Date: 1989-06-16 04:00:00
Qual: Not reported
Current Action Lead: St Perf

RCRA-SQG:

Date form received by agency: 09/01/1996
Facility name: SPARKLETTS DRINKING WATER CORP
Facility address: 221 EAST ALONDRA BLVD
GARDENA, CA 90248
EPA ID: CAD044408888
Mailing address: 4500 YORK BLVD
LOS ANGELES, CA 90041
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPARKLETTS DRINKING WATER CO (Continued)

1015732728

EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: FOREMOST-MCKESSON INCORPORATED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 02/28/1992
Site name: SPARKLETTS DRINKING WATER CORP
Classification: Large Quantity Generator

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SPARKLETTS DRINKING WATER CO (Continued)

1015732728

Date form received by agency: 08/15/1980
 Site name: SPARKLETTS DRINKING WATER CORP
 Classification: Large Quantity Generator

 Violation Status: No violations found

AE128
SSE
1/4-1/2
0.394 mi.
2082 ft.

STEPSTONE INC
17025 S MAIN ST
CARSON, CA 90248

Site 1 of 2 in cluster AE

LUST
HAZNET
LOS ANGELES CO. HMS
NPDES
WDS

S104159697
N/A

Relative:
Lower

Actual:
37 ft.

LUST REG 4:
 Region: 4
 Regional Board: 04
 County: Los Angeles
 Facility Id: R-26354
 Status: Leak being confirmed
 Substance: Hydrocarbons
 Substance Quantity: Not reported
 Local Case No: Not reported
 Case Type: Soil
 Abatement Method Used at the Site: Excavate and Dispose
 Global ID: T0603793020
 W Global ID: Not reported
 Staff: UNK
 Local Agency: 19000
 Cross Street: GARDENA BLVD
 Enforcement Type: Not reported
 Date Leak Discovered: 9/17/1998
 Date Leak First Reported: 11/9/1999
 Date Leak Record Entered: Not reported
 Date Confirmation Began: 9/17/1998
 Date Leak Stopped: Not reported
 Date Case Last Changed on Database: 11/9/1999
 Date the Case was Closed: Not reported
 How Leak Discovered: Repair Tank
 How Leak Stopped: Not reported
 Cause of Leak: Not reported
 Leak Source: Tank
 Operator: GORDON MCWILLIAMS
 Water System: Not reported
 Well Name: Not reported
 Approx. Dist To Production Well (ft): 8565.010103840625390345366047
 Source of Cleanup Funding: Tank
 Preliminary Site Assessment Workplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Remediation Plan Submitted: Not reported
 Remedial Action Underway: Not reported
 Post Remedial Action Monitoring Began: Not reported
 Enforcement Action Date: Not reported
 Historical Max MTBE Date: Not reported
 Hist Max MTBE Conc in Groundwater: Not reported
 Hist Max MTBE Conc in Soil: Not reported
 Significant Interim Remedial Action Taken: Not reported
 GW Qualifier: Not reported
 Soil Qualifier: Not reported
 Organization: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEPSTONE INC (Continued)

S104159697

Owner Contact: Not reported
Responsible Party: GORDON MCWILLIAMS
RP Address: 17025 S. MAIN ST., CARSON CA 90248
Program: LUST
Lat/Long: 33.876953 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

HAZNET:

envid: S104159697
Year: 2016
GEPaid: CAC002877489
Contact: JOVANNY HERNANDEZ
Telephone: 3107223865
Mailing Name: Not reported
Mailing Address: 17025 SO MAIN ST
Mailing City,St,Zip: GARDENA, CA 90248
Gen County: Los Angeles
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Unspecified organic liquid mixture
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Tons: 0.3095
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S104159697
Year: 2016
GEPaid: CAC002877489
Contact: JOVANNY HERNANDEZ
Telephone: 3107223865
Mailing Name: Not reported
Mailing Address: 17025 SO MAIN ST
Mailing City,St,Zip: GARDENA, CA 90248
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Tons: 0.2502
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S104159697
Year: 2016
GEPaid: CAC002877489
Contact: JOVANNY HERNANDEZ
Telephone: 3107223865

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEPSTONE INC (Continued)

S104159697

Mailing Name: Not reported
Mailing Address: 17025 SO MAIN ST
Mailing City,St,Zip: GARDENA, CA 90248
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Waste oil and mixed oil
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Tons: 0.75
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

LOS ANGELES CO. HMS:

Region: LA
Permit Category: T
Facility Id: 018595-026354
Facility Type: 0
Facility Status: Removed
Area: 22
Permit Number: 000227017
Permit Status: Removed

Region: LA
Permit Category: S
Facility Id: 024093-033441
Facility Type: S6
Facility Status: Closed
Area: 22
Permit Number: CGI012543
Permit Status: Closed

Region: LA
Permit Category: Not reported
Facility Id: 024093-054232
Facility Type: Not reported
Facility Status: OPEN
Area: 22
Permit Number: Not reported
Permit Status: Not reported

NPDES:

Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 4 19I012543
Regulatory Measure Type: Industrial
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEPSTONE INC (Continued)

S104159697

Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Active
Status Date: 09/06/1996
Operator Name: Stepstone Inc
Operator Address: 17025 S Main St
Operator City: Gardena
Operator State: California
Operator Zip: 90248

NPDES as of 03/2018:

NPDES Number: Not reported
Status: Not reported
Agency Number: Not reported
Region: 4
Regulatory Measure ID: 190356
Order Number: Not reported
Regulatory Measure Type: Industrial
Place ID: Not reported
WDID: 4 19I012543
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Received Date: 05/09/2008
Processed Date: 09/06/1996
Status: Active
Status Date: 09/06/1996
Place Size: 76000
Place Size Unit: SqFt
Contact: Kelsy Carrington
Contact Title: President
Contact Phone: 3103277474
Contact Phone Ext: Not reported
Contact Email: kelsy@stepstoneinc.com
Operator Name: Stepstone Inc
Operator Address: 17025 S Main St
Operator City: Gardena
Operator State: California
Operator Zip: 90248
Operator Contact: Kelsy Carrington
Operator Contact Title: President
Operator Contact Phone: 310-327-7474
Operator Contact Phone Ext: Not reported
Operator Contact Email: kelsy@stepstoneinc.com
Operator Type: Private Business
Developer: Not reported
Developer Address: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEPSTONE INC (Continued)

S104159697

Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-327-7474
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	La River
Certifier:	Kelsy Carrington
Certifier Title:	General Manager
Certification Date:	24-MAR-15
Primary Sic:	3271-Concrete Block and Brick
Secondary Sic:	3272-Concrete Products, Except Block and Brick
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	190356
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I012543
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/06/1996
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Stepstone Inc
Discharge Address:	17025 S Main St
Discharge City:	Gardena
Discharge State:	California
Discharge Zip:	90248
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEPSTONE INC (Continued)

S104159697

Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEPSTONE INC (Continued)

S104159697

Regulatory Measure ID: 190356
Place ID: Not reported
Order Number: 97-03-DWQ
WDID: 4 19I012543
Regulatory Measure Type: Enrollee
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 09/06/1996
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: 17025 S Main St
Discharge Name: Stepstone Inc
Discharge City: Gardena
Discharge State: California
Discharge Zip: 90248
Status: Not reported
Status Date: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

NPDES as of 03/2018:

NPDES Number: Not reported
Status: Not reported
Agency Number: Not reported
Region: 4
Regulatory Measure ID: 190356
Order Number: Not reported
Regulatory Measure Type: Industrial
Place ID: Not reported
WDID: 4 19I012543
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Received Date: 05/09/2008
Processed Date: 09/06/1996
Status: Active
Status Date: 09/06/1996
Place Size: 76000
Place Size Unit: SqFt
Contact: Kelsy Carrington
Contact Title: President
Contact Phone: 3103277474
Contact Phone Ext: Not reported
Contact Email: kelsy@stepstoneinc.com
Operator Name: Stepstone Inc
Operator Address: 17025 S Main St
Operator City: Gardena
Operator State: California

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEPSTONE INC (Continued)

S104159697

Operator Zip: 90248
Operator Contact: Kelsy Carrington
Operator Contact Title: President
Operator Contact Phone: 310-327-7474
Operator Contact Phone Ext: Not reported
Operator Contact Email: kelsy@stepstoneinc.com
Operator Type: Private Business
Developer: Not reported
Developer Address: Not reported
Developer City: Not reported
Developer State: California
Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: 310-327-7474
Emergency Phone Ext: Not reported
Constype Above Ground Ind: Not reported
Constype Below Ground Ind: Not reported
Constype Cable Line Ind: Not reported
Constype Comm Line Ind: Not reported
Constype Commercial Ind: Not reported
Constype Electrical Line Ind: Not reported
Constype Gas Line Ind: Not reported
Constype Industrial Ind: Not reported
Constype Other Description: Not reported
Constype Other Ind: Not reported
Constype Recons Ind: Not reported
Constype Residential Ind: Not reported
Constype Transport Ind: Not reported
Constype Utility Description: Not reported
Constype Utility Ind: Not reported
Constype Water Sewer Ind: Not reported
Dir Discharge Uswater Ind: N
Receiving Water Name: La River
Certifier: Kelsy Carrington
Certifier Title: General Manager
Certification Date: 24-MAR-15
Primary Sic: 3271-Concrete Block and Brick
Secondary Sic: 3272-Concrete Products, Except Block and Brick
Tertiary Sic: Not reported

NPDES Number: CAS000001
Status: Active
Agency Number: 0
Region: 4
Regulatory Measure ID: 190356
Order Number: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place ID: Not reported
WDID: 4 19I012543
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 09/06/1996
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Stepstone Inc

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEPSTONE INC (Continued)

S104159697

Discharge Address:	17025 S Main St
Discharge City:	Gardena
Discharge State:	California
Discharge Zip:	90248
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEPSTONE INC (Continued)

S104159697

Primary Sic: Not reported
Secondary Sic: Not reported
Tertiary Sic: Not reported

WDS:

Facility ID: 4 19I012543
Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: 3103277474
Facility Contact: Gordon McWilliams
Agency Name: STEPSTONE INC.
Agency Address: 17025 S. Main St.
Agency City,St,Zip: Gardena 90248
Agency Contact: Gordon McWilliams
Agency Telephone: 3103277474
Agency Type: Private
SIC Code: 3271
SIC Code 2: 3272
Primary Waste Type: Inert/Influent or Solid Wastes that do not contain soluble pollutants or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils, rubble and concrete are examples of this category.
Primary Waste: STORMS
Waste Type2: Not reported
Waste2: Stormwater Runoff
Primary Waste Type: Inert/Influent or Solid Wastes that do not contain soluble pollutants or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils, rubble and concrete are examples of this category.
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: No reclamation requirements associated with this facility.
POTW: The facility is not a POTW.
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AE129
SSE
1/4-1/2
0.396 mi.
2092 ft.

STEPSTONE, INC.
17025 MAIN ST S
CARSON, CA 90248
Site 2 of 2 in cluster AE

LUST S111711318
N/A

Relative:
Lower

LUST:

Actual:
37 ft.

Lead Agency: LOS ANGELES COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603793020
Global Id: T0603793020
Latitude: 33.8769591
Longitude: -118.2756564
Status: Completed - Case Closed
Status Date: 01/30/2002
Case Worker: JOA
RB Case Number: R-26354
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
Site History: Not reported

LUST:

Global Id: T0603793020
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603793020
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0603793020
Action Type: ENFORCEMENT
Date: 01/30/2002
Action: Closure/No Further Action Letter

Global Id: T0603793020
Action Type: Other
Date: 11/09/1999
Action: Leak Reported

Global Id: T0603793020
Action Type: Other
Date: 09/17/1998
Action: Leak Discovery

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEPSTONE, INC. (Continued)

S111711318

LUST:

Global Id: T0603793020
Status: Completed - Case Closed
Status Date: 01/30/2002

Global Id: T0603793020
Status: Open - Case Begin Date
Status Date: 09/17/1998

Global Id: T0603793020
Status: Open - Site Assessment
Status Date: 09/17/1998

**AF130
SSE
1/4-1/2
0.423 mi.
2231 ft.**

**IPS CORPORATION
17109 SOUTH MAIN STREET
GARDENA, CA 90248
Site 1 of 6 in cluster AF**

**Relative:
Lower**

**Actual:
35 ft.**

**RCRA-LQG 1000109291
LUST CAD008391815
UST
SWEEPS UST
ICIS
US AIRS
FINDS
HIST CORTESE**

RCRA-LQG:

Date form received by agency: 01/20/2016
Facility name: IPS CORPORATION
Facility address: 17109 SOUTH MAIN STREET
GARDENA, CA 90248
EPA ID: CAD008391815
Mailing address: SOUTH MAIN STREET
GARDENA, CA 90248
Contact: LEON CHING
Contact address: SOUTH MAIN STREET
GARDENA, CA 90248
Contact country: US
Contact telephone: 310-898-3353
Contact email: LEON.CHING@IPSCORP.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: IPS CORPORATION
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IPS CORPORATION (Continued)

1000109291

Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/06/1984
Owner/Op end date: Not reported

Owner/operator name: IPS CORPORATION
Owner/operator address: WEST VICTORIA STREET
COMPTON, CA 90220

Owner/operator country: US
Owner/operator telephone: 310-898-3300
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 07/06/1984
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 352
. Waste name: Other organic solids

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IPS CORPORATION (Continued)

1000109291

- . Waste code: D022
- . Waste name: CHLOROFORM

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Historical Generators:

Date form received by agency: 03/27/2012

Site name: IPS CORPORATION

Classification: Large Quantity Generator

- . Waste code: 181
- . Waste name: Other inorganic solid waste

- . Waste code: 212
- . Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

- . Waste code: 223
- . Waste name: Unspecified oil-containing waste

- . Waste code: 331
- . Waste name: Off-specification, aged, or surplus organics

- . Waste code: 343
- . Waste name: Unspecified organic liquid mixture

- . Waste code: 352
- . Waste name: Other organic solids

- . Waste code: 541
- . Waste name: Photochemicals / photo processing waste

- . Waste code: D001
- . Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IPS CORPORATION (Continued)

1000109291

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

- . Waste code: D011
 - . Waste name: SILVER

 - . Waste code: D022
 - . Waste name: CHLOROFORM

 - . Waste code: F003
 - . Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

 - . Waste code: F005
 - . Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- Date form received by agency: 06/10/2010
Site name: IPS CORPORATION
Classification: Large Quantity Generator
- . Waste code: 181
 - . Waste name: Other inorganic solid waste

 - . Waste code: 212
 - . Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

 - . Waste code: 221
 - . Waste name: Waste oil and mixed oil

 - . Waste code: 223
 - . Waste name: Unspecified oil-containing waste

 - . Waste code: 331
 - . Waste name: Off-specification, aged, or surplus organics

 - . Waste code: 343
 - . Waste name: Unspecified organic liquid mixture

 - . Waste code: 352
 - . Waste name: Other organic solids

 - . Waste code: 791
 - . Waste name: Liquids with pH < 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IPS CORPORATION (Continued)

1000109291

- . Waste code: D001
- . Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

- . Waste code: D002
- . Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

- . Waste code: D022
- . Waste name: CHLOROFORM

- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F006
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Date form received by agency: 02/15/2008
Site name: IPS CORPORATION
Classification: Large Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IPS CORPORATION (Continued)

1000109291

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/20/2006
Site name: IPS CORPORATION
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D022
. Waste name: CHLOROFORM

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IPS CORPORATION (Continued)

1000109291

Date form received by agency: 02/20/2004

Site name: IPS CORPORATION

Classification: Large Quantity Generator

. Waste code: D001

. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D035

. Waste name: METHYL ETHYL KETONE

. Waste code: F001

. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003

. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005

. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/25/2002

Site name: IPS CORPORATION

Classification: Large Quantity Generator

. Waste code: D001

. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IPS CORPORATION (Continued)

1000109291

MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Date form received by agency: 10/12/2000
Site name: IPS CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Site name: IPS CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: INDUSTRIAL POLYCHEMICAL SV#
Classification: Small Quantity Generator

Date form received by agency: 02/28/1996
Site name: IPS CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 02/28/1992
Site name: IPS CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 08/15/1980
Site name: INDUSTRIAL POLYCHEMICAL SV#
Classification: Large Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 39160

Waste code: D022
Waste name: CHLOROFORM
Amount (Lbs): 67

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 12260

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IPS CORPORATION (Continued)

1000109291

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 38760

Violation Status: No violations found

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-04776
Status: Pollution Characterization
Substance: Solvents
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603704654
W Global ID: Not reported
Staff: SLC
Local Agency: 19000
Cross Street: WALNUT ST
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 5/8/1992
Date Leak Record Entered: 12/4/1990
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 4/6/1999
Date the Case was Closed: Not reported
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: GUTIERREZ, EDWIN OLD#120590-09
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 8481.508642881893991135608582
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 5/2/1992
Pollution Characterization Began: 10/7/1998
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IPS CORPORATION (Continued)

1000109291

Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: INDUSTRIAL POLYCHEMICAL SERV.
RP Address: 17109 S. MAIN ST., GARDENA CA 90247
Program: SLIC
Lat/Long: 33.8763632 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: LOP/MODERATE - POTENTIAL HEALTH/SAFETY/ENVIRONMENTAL IMPACT
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: SOLVENT CASE, REFER TO SLIC #729 ;10/23/98 - SITE ASSESSMENT REPORT WP FOR SOIL VE PILOT TEST; 4/6/99 1ST QTR GW MON RPT 1999

UST:

Facility ID: 4776
Permitting Agency: LOS ANGELES, CITY OF
Latitude: 33.8787733
Longitude: -118.2746274

Facility ID: LACoFA0017152
Permitting Agency: Los Angeles County Fire Department
Latitude: 33.87624
Longitude: -118.2765

SWEEPS UST:

Status: Active
Comp Number: 4776
Number: 1
Board Of Equalization: 44-007848
Referral Date: 07-01-92
Action Date: 07-01-92
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-004776-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 7

Status: Active
Comp Number: 4776
Number: 1
Board Of Equalization: 44-007848
Referral Date: 07-01-92
Action Date: 07-01-92
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-004776-000002
Tank Status: A
Capacity: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IPS CORPORATION (Continued)

1000109291

Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 4776
Number: 1
Board Of Equalization: 44-007848
Referral Date: 07-01-92
Action Date: 07-01-92
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-004776-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 4776
Number: 1
Board Of Equalization: 44-007848
Referral Date: 07-01-92
Action Date: 07-01-92
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-004776-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 4776
Number: 1
Board Of Equalization: 44-007848
Referral Date: 07-01-92
Action Date: 07-01-92
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-004776-000005
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IPS CORPORATION (Continued)

1000109291

Status: Active
Comp Number: 4776
Number: 1
Board Of Equalization: 44-007848
Referral Date: 07-01-92
Action Date: 07-01-92
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-004776-000006
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 4776
Number: 1
Board Of Equalization: 44-007848
Referral Date: 07-01-92
Action Date: 07-01-92
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-004776-000007
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

ICIS:

Enforcement Action ID: CASCAA000006037CJ39400074
FRS ID: 110009528751
Action Name: IPS CORP 06037CJ39400074
Facility Name: IPS CORP
Facility Address: 17109 S MAIN ST
GARDENA, CA 90248
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAO
Facility SIC Code: 2891
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.876278
Longitude in Decimal Degrees: -118.275556
Permit Type Desc: Not reported
Program System Acronym: CASCAA000006037CJ394
Facility NAICS Code: 325520
Tribal Land Code: Not reported
Enforcement Action ID: CASCAA000006037CJ39400073
FRS ID: 110009528751

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IPS CORPORATION (Continued)

1000109291

Action Name: IPS CORP 06037CJ39400073
Facility Name: IPS CORP
Facility Address: 17109 S MAIN ST
GARDENA, CA 90248
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2891
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.876278
Longitude in Decimal Degrees: -118.275556
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ394
Facility NAICS Code: 325520
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ39400065
FRS ID: 110009528751
Action Name: IPS CORP 06037CJ39400065
Facility Name: IPS CORP
Facility Address: 17109 S MAIN ST
GARDENA, CA 90248

Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAO
Facility SIC Code: 2891
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.876278
Longitude in Decimal Degrees: -118.275556
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ394
Facility NAICS Code: 325520
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ39400064
FRS ID: 110009528751
Action Name: IPS CORP 06037CJ39400064
Facility Name: IPS CORP
Facility Address: 17109 S MAIN ST
GARDENA, CA 90248

Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2891
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.876278
Longitude in Decimal Degrees: -118.275556
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ394
Facility NAICS Code: 325520
Tribal Land Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IPS CORPORATION (Continued)

1000109291

Enforcement Action ID: CASCAA000006037CJ39400056
FRS ID: 110009528751
Action Name: IPS CORP 06037CJ39400056
Facility Name: IPS CORP
Facility Address: 17109 S MAIN ST
GARDENA, CA 90248
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAO
Facility SIC Code: 2891
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.876278
Longitude in Decimal Degrees: -118.275556
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ394
Facility NAICS Code: 325520
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ39400055
FRS ID: 110009528751
Action Name: IPS CORP 06037CJ39400055
Facility Name: IPS CORP
Facility Address: 17109 S MAIN ST
GARDENA, CA 90248
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2891
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.876278
Longitude in Decimal Degrees: -118.275556
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ394
Facility NAICS Code: 325520
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ39400012
FRS ID: 110009528751
Action Name: IPS CORP 06037CJ39400012
Facility Name: IPS CORP
Facility Address: 17109 S MAIN ST
GARDENA, CA 90248
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAO
Facility SIC Code: 2891
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.876278
Longitude in Decimal Degrees: -118.275556
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ394

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IPS CORPORATION (Continued)

1000109291

Facility NAICS Code: 325520
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ39400011
FRS ID: 110009528751
Action Name: IPS CORP 06037CJ39400011
Facility Name: IPS CORP
Facility Address: 17109 S MAIN ST
GARDENA, CA 90248

Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2891
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.876278
Longitude in Decimal Degrees: -118.275556
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ394
Facility NAICS Code: 325520
Tribal Land Code: Not reported

US AIRS (AFS):
Envid: 1000109291
Region Code: 09
County Code: CA037
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
D and B Number: Not reported
Facility Site Name: IPS CORP
Primary SIC Code: 2891
NAICS Code: 325520
Default Air Classification Code: MAJ
Facility Type of Ownership Code: POF
Air CMS Category Code: TVM
HPV Status: Not reported

US AIRS (AFS):
Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2006-03-24 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IPS CORPORATION (Continued)

1000109291

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2011-08-02 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2012-10-26 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2014-02-25 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-08-20 00:00:00
Activity Status Date: 2015-10-16 14:01:30
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-08-20 00:00:00
Activity Status Date: 2015-10-16 14:03:34
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IPS CORPORATION (Continued)

1000109291

Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2016-09-06 00:00:00
Activity Status Date: 2016-09-16 13:35:08
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR_CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-09-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR_CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-09-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR_CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-09-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR_CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-08-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

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MAP FINDINGS

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EDR ID Number
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IPS CORPORATION (Continued)

1000109291

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-02-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-08-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-09-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

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Database(s)

EDR ID Number
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IPS CORPORATION (Continued)

1000109291

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037CJ394
Facility Registry ID:	110009528751
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2008-02-28 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037CJ394
Facility Registry ID:	110009528751
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2008-08-19 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037CJ394
Facility Registry ID:	110009528751
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2008-11-10 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037CJ394
Facility Registry ID:	110009528751
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2009-02-27 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037CJ394
Facility Registry ID:	110009528751
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

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EDR ID Number
EPA ID Number

IPS CORPORATION (Continued)

1000109291

Activity Date: 2009-07-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-07-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-02-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-05-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-08-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751

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Database(s)

EDR ID Number
EPA ID Number

IPS CORPORATION (Continued)

1000109291

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-09-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-08-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-08-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

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Database(s)

EDR ID Number
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IPS CORPORATION (Continued)

1000109291

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-08-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-08-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-07-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-08-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-08-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

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Database(s)

EDR ID Number
EPA ID Number

IPS CORPORATION (Continued)

1000109291

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-02-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-08-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-08-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-11-09 00:00:00
Activity Status Date: 2005-11-09 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

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IPS CORPORATION (Continued)

1000109291

Activity Date: 2011-06-14 00:00:00
Activity Status Date: 2011-06-14 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-07-06 00:00:00
Activity Status Date: 2011-07-06 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-01-23 00:00:00
Activity Status Date: 2014-01-23 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-08-12 00:00:00
Activity Status Date: 2005-08-12 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-08-13 00:00:00
Activity Status Date: 2010-08-13 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751

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IPS CORPORATION (Continued)

1000109291

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-02-16 00:00:00
Activity Status Date: 2012-02-16 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-08-29 00:00:00
Activity Status Date: 2013-08-29 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2006-03-24 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2011-08-02 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2012-10-26 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

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IPS CORPORATION (Continued)

1000109291

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2014-02-25 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-01-28 00:00:00
Activity Status Date: 2015-10-16 14:02:29
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-08-20 00:00:00
Activity Status Date: 2015-10-16 14:01:30
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-08-20 00:00:00
Activity Status Date: 2015-10-16 14:03:34
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-09-06 00:00:00
Activity Status Date: 2016-09-16 13:35:08
Activity Group: Compliance Monitoring

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Database(s)

EDR ID Number
EPA ID Number

IPS CORPORATION (Continued)

1000109291

Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1996-12-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-12-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-12-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-03-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

Map ID
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EDR ID Number
EPA ID Number

IPS CORPORATION (Continued)

1000109291

Activity Date: 2004-03-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-09-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-09-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-09-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-03-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751

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Database(s)

EDR ID Number
EPA ID Number

IPS CORPORATION (Continued)

1000109291

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-08-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-02-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-08-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

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EDR ID Number
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IPS CORPORATION (Continued)

1000109291

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-03-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-09-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-08-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-11-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IPS CORPORATION (Continued)

1000109291

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-07-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-07-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-02-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IPS CORPORATION (Continued)

1000109291

Activity Date: 2010-05-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-08-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-09-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-08-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IPS CORPORATION (Continued)

1000109291

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-08-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-08-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-08-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-07-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IPS CORPORATION (Continued)

1000109291

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-08-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-08-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-02-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-08-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-08-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IPS CORPORATION (Continued)

1000109291

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-01-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-11-09 00:00:00
Activity Status Date: 2005-11-09 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-06-14 00:00:00
Activity Status Date: 2011-06-14 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-07-06 00:00:00
Activity Status Date: 2011-07-06 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IPS CORPORATION (Continued)

1000109291

Activity Date: 2014-01-23 00:00:00
Activity Status Date: 2014-01-23 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-08-12 00:00:00
Activity Status Date: 2005-08-12 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-08-13 00:00:00
Activity Status Date: 2010-08-13 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-02-16 00:00:00
Activity Status Date: 2012-02-16 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ394
Facility Registry ID: 110009528751
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-08-29 00:00:00
Activity Status Date: 2013-08-29 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

FINDS:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IPS CORPORATION (Continued)

1000109291

Registry ID: 110009528751

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

AIR EMISSIONS CLASSIFICATION UNKNOWN

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

HAZARDOUS AIR POLLUTANT MAJOR

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

HAZARDOUS WASTE BIENNIAL REPORTER

AIR MAJOR

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

IPS CORPORATION (Continued)

1000109291

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

HIST CORTESE:

Region: CORTESE
 Facility County Code: 19
 Reg By: LTNKA
 Reg Id: R-04776

**AF131
 SSE
 1/4-1/2
 0.423 mi.
 2231 ft.**

**INDUSTRIAL POLYCHEMICAL SERVICE CORP
 17109 SOUTH MAIN STREET
 GARDENA, CA 90248
 Site 2 of 6 in cluster AF**

**RESPONSE S115779959
 ENVIROSTOR N/A**

**Relative:
 Lower
 Actual:
 35 ft.**

RESPONSE:
 Facility ID: 60001937
 Site Type: State Response
 Site Type Detail: State Response or NPL
 Acres: 3.67
 National Priorities List: NO
 Cleanup Oversight Agencies: SMBRP
 Lead Agency Description: DTSC - Site Cleanup Program
 Project Manager: Angela Turner
 Supervisor: Emad Yemut
 Division Branch: Southern California Schools & Brownfields Outreach
 Site Code: 301601
 Site Mgmt. Req.: NONE SPECIFIED
 Assembly: 64
 Senate: 35
 Special Program Status: Not reported
 Status: Active
 Status Date: 09/30/2013
 Restricted Use: NO
 Funding: Responsible Party
 Latitude: 33.87624
 Longitude: -118.2765
 APN: NONE SPECIFIED
 Past Use: MANUFACTURING - OTHER
 Potential COC : 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane
 Confirmed COC: 1,1,2-Trichloroethane 1,1,2,2-Tetrachloroethane

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INDUSTRIAL POLYCHEMICAL SERVICE CORP (Continued)

S115779959

Potential Description: OTH
Alias Name: IPS
Alias Type: Alternate Name
Alias Name: SL2042H1537
Alias Type: GeoTracker Global ID
Alias Name: 301601
Alias Type: Project Code (Site Code)
Alias Name: 60001937
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/24/2018
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/26/2018
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/02/2018
Comments: Uploaded for completeness of file in 2018, not reviewed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/08/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/01/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/29/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 02/17/2015
Comments: It was conditionally approved. All comments in WP will be addressed in the SSI Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/10/2014

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INDUSTRIAL POLYCHEMICAL SERVICE CORP (Continued)

S115779959

Comments: See DTSC's comments on the 4/16/2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/13/2014
Comments: This is a final approval for this report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/07/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/15/2014
Comments: Niklor Chemical Co. response to DTSC's information request

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 07/14/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 09/30/2013
Comments: Remedial Action Agreement was fully executed with Respondent IPS Corporation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 10/09/2013
Comments: It was a kickoff meeting at the IPS site. However, I'm waiting for DTSC geologist for his site visit which he attended the same day during groundwater monitoring.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: No Further Action Letter
Completed Date: 02/17/2016
Comments: No further Action letter for vadose zone soils and soil vapor

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/14/2016
Comments: FY 1617 Annual Oversight Cost Estimate completed and mailed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/16/2015

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INDUSTRIAL POLYCHEMICAL SERVICE CORP (Continued)

S115779959

Comments: FY 1516 Annual Cost Estimate completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/06/2018
Comments: DTSC, Tribal unit didn't respond. The request was submitted more than 3 months ago with many emails to the unit.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/28/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: OPEA Consultation
Completed Date: 10/09/2017
Comments: .

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/22/2018
Comments: FY 1819 Cost Estimate: \$60,775

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 04/06/2018
Comments: NOE was signed and sent to CEQA program in HQ to be filled by Office of Planning and Research.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/08/2016
Comments: .

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/16/2014
Comments: Routine GW Monitoring document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/05/2015
Comments: Routine GW Monitoring.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/11/2016
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INDUSTRIAL POLYCHEMICAL SERVICE CORP (Continued)

S115779959

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/11/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 11/28/2016
Comments: Routine information.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 04/23/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 02/07/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 02/20/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 02/20/2018
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2019
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2022
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Removal Action Completion Report
Future Due Date: 2019
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Report
Future Due Date: 2019
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INDUSTRIAL POLYCHEMICAL SERVICE CORP (Continued)

S115779959

ENVIROSTOR:

Facility ID: 60001937
Status: Active
Status Date: 09/30/2013
Site Code: 301601
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 3.67
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Angela Turner
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.87624
Longitude: -118.2765
APN: NONE SPECIFIED
Past Use: MANUFACTURING - OTHER
Potential COC: 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane
Confirmed COC: 1,1,2-Trichloroethane 1,1,2,2-Tetrachloroethane
Potential Description: OTH
Alias Name: IPS
Alias Type: Alternate Name
Alias Name: SL2042H1537
Alias Type: GeoTracker Global ID
Alias Name: 301601
Alias Type: Project Code (Site Code)
Alias Name: 60001937
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/24/2018
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/26/2018
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/02/2018
Comments: Uploaded for completeness of file in 2018, not reviewed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INDUSTRIAL POLYCHEMICAL SERVICE CORP (Continued)

S115779959

Completed Document Type: Other Report
Completed Date: 10/08/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/01/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/29/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 02/17/2015
Comments: It was conditionally approved. All comments in WP will be addressed in the SSI Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/10/2014
Comments: See DTSC's comments on the 4/16/2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/13/2014
Comments: This is a final approval for this report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/07/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/15/2014
Comments: Niklor Chemical Co. response to DTSC's information request

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 07/14/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 09/30/2013

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INDUSTRIAL POLYCHEMICAL SERVICE CORP (Continued)

S115779959

Comments: Remedial Action Agreement was fully executed with Respondent IPS Corporation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 10/09/2013
Comments: It was a kickoff meeting at the IPS site. However, I'm waiting for DTSC geologist for his site visit which he attended the same day during groundwater monitoring.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: No Further Action Letter
Completed Date: 02/17/2016
Comments: No further Action letter for vadose zone soils and soil vapor

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/14/2016
Comments: FY 1617 Annual Oversight Cost Estimate completed and mailed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/16/2015
Comments: FY 1516 Annual Cost Estimate completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/06/2018
Comments: DTSC, Tribal unit didn't respond. The request was submitted more than 3 months ago with many emails to the unit.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/28/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: OPEA Consultation
Completed Date: 10/09/2017
Comments: .

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/22/2018
Comments: FY 1819 Cost Estimate: \$60,775

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INDUSTRIAL POLYCHEMICAL SERVICE CORP (Continued)

S115779959

Completed Date: 04/06/2018
Comments: NOE was signed and sent to CEQA program in HQ to be filled by Office of Planning and Research.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/08/2016
Comments: .

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/16/2014
Comments: Routine GW Monitoring document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/05/2015
Comments: Routine GW Monitoring.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/11/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/11/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 11/28/2016
Comments: Routine information.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 04/23/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 02/07/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 02/20/2018
Comments: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

INDUSTRIAL POLYCHEMICAL SERVICE CORP (Continued)

S115779959

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Public Notice
 Completed Date: 02/20/2018
 Comments: Not reported

Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Certification
 Future Due Date: 2019

Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: 5 Year Review Reports
 Future Due Date: 2022

Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Removal Action Completion Report
 Future Due Date: 2019

Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Operations and Maintenance Report
 Future Due Date: 2019

Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

AF132
SSE
1/4-1/2
0.423 mi.
2231 ft.

INDUSTRIAL POLYCHEMICAL SERVICE CORP
17109 SOUTH MAIN STREET
GARDENA, CA 90248
Site 3 of 6 in cluster AF

Cortese S117312123
N/A

Relative:
Lower
Actual:
35 ft.

CORTESE:
 Region: CORTESE
 Envirostor Id: 60001937
 Site/Facility Type: STATE RESPONSE
 Cleanup Status: ACTIVE
 Status Date: 09/30/2013
 Site Code: 301601
 Latitude: 33.876241
 Longitude: -118.27650
 Owner: Not reported
 Enf Type: Not reported
 Swat R: Not reported
 Flag: envirostor
 Order No: Not reported
 Waste Discharge System No: Not reported
 Effective Date: Not reported
 Region 2: Not reported
 WID Id: Not reported
 Solid Waste Id No: Not reported
 Waste Management Uit Name: Not reported
 File Name: Haz Waste & Substances Sites

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

AF133 **INDUSTRIAL POLYCHEMICAL SERVICE**
SSE **17109 SOUTH MAIN ST**
1/4-1/2 **GARDENA, CA 90248**
0.423 mi.
2231 ft. **Site 4 of 6 in cluster AF**

CPS-SLIC **S113804547**
N/A

Relative: CPS-SLIC:
Lower Region: STATE
Actual: **Facility Status:** **Open - Inactive**
35 ft. Status Date: 01/27/2015
 Global Id: SL2042H1537
 Lead Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
 Lead Agency Case Number: 60001937
 Latitude: 33.876241
 Longitude: -118.275893138553
 Case Type: Cleanup Program Site
 Case Worker: Not reported
 Local Agency: Not reported
 RB Case Number: 0729
 File Location: Not reported
 Potential Media Affected: Not reported
 Potential Contaminants of Concern: Not reported
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

AF134 **INDUSTRIAL POLYCHEMICAL SERV.**
SSE **17109 MAIN ST S**
1/4-1/2 **GARDENA, CA 90248**
0.423 mi.
2231 ft. **Site 5 of 6 in cluster AF**

CPS-SLIC **S111760538**
N/A

Relative: CPS-SLIC:
Lower Region: STATE
Actual: **Facility Status:** **Open - Site Assessment**
35 ft. Status Date: 10/07/1998
 Global Id: T0603704654
 Lead Agency: LOS ANGELES COUNTY
 Lead Agency Case Number: Not reported
 Latitude: 33.8763632
 Longitude: -118.2756599
 Case Type: Cleanup Program Site
 Case Worker: JOA
 Local Agency: LOS ANGELES COUNTY
 RB Case Number: Not reported
 File Location: DTSC
 Potential Media Affected: Aquifer used for drinking water supply
 Potential Contaminants of Concern: * Solvents
 Site History: Case transferred to DTSC on 12/15/06.

[Click here to access the California GeoTracker records for this facility:](#)

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

AF135 **INDUSTRIAL POLYCHEMICAL**
SSE **17109 MAIN**
1/4-1/2 **GARDENA, CA 90061**
0.423 mi.
2231 ft. **Site 6 of 6 in cluster AF**

CPS-SLIC **S104404870**
 N/A

Relative: SLIC REG 4:
Lower Region: 4
Actual: Facility Status: Remediation
35 ft. SLIC: 0729
 Substance: VOC
 Staff: RE

136 **SAFETY KLEEN CORP 7 088 04**
NNE **139 E 175TH ST**
1/4-1/2 **GARDENA, CA 90248**
0.457 mi.
2415 ft.

SEMS-ARCHIVE **1000224420**
CORRACTS **CAT000613919**
RCRA-TSDF
ENVIROSTOR
LUST
HIST UST
RCRA NonGen / NLR
US FIN ASSUR
FINDS
ECHO
Financial Assurance
HIST CORTESE
HWP

Relative:
Higher
Actual:
51 ft.

SEMS Archive:
Site ID: 0903375
EPA ID: CAT000613919
Cong District: 31
FIPS Code: 06037
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information
Latitude: 33.873333
Longitude: -118.276667

SEMS Archive Detail:
Region: 09
Site ID: 0903375
EPA ID: CAT000613919
Site Name: SAFETY- KLEEN CORP 7-088-04
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1996-01-23 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0903375
EPA ID: CAT000613919
Site Name: SAFETY- KLEEN CORP 7-088-04
NPL: N
FF: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORP 7 088 04 (Continued)

1000224420

OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1991-01-01 05:00:00
Finish Date: 1991-01-01 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0903375
EPA ID: CAT000613919
Site Name: SAFETY- KLEEN CORP 7-088-04
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1991-08-29 04:00:00
Qual: D
Current Action Lead: EPA Perf

CORRACTS:

EPA ID: CAT000613919
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20010920
Action: CA110 - RFI Workplan Received
NAICS Code(s): 44131 42183 42272
Automotive Parts and Accessories Stores
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000613919
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20010213
Action: CA140 - RFI Workplan Notice Of Deficiency Issued
NAICS Code(s): 44131 42183 42272
Automotive Parts and Accessories Stores
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000613919
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20000623
Action: CA110 - RFI Workplan Received
NAICS Code(s): 44131 42183 42272
Automotive Parts and Accessories Stores
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000613919

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORP 7 088 04 (Continued)

1000224420

EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19920220
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 44131 42183 42272
Automotive Parts and Accessories Stores
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000613919
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19910823
Action: CA050PA - RFA Completed, Assessment was a PA-Plus
NAICS Code(s): 44131 42183 42272
Automotive Parts and Accessories Stores
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000613919
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19910823
Action: CA050 - RFA Completed
NAICS Code(s): 44131 42183 42272
Automotive Parts and Accessories Stores
Original schedule date: 19910823
Schedule end date: Not reported

EPA ID: CAT000613919
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19910823
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 44131 42183 42272
Automotive Parts and Accessories Stores
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-TSDF:

Date form received by agency: 06/01/1993
Facility name: SAFETY KLEEN CORP 7 088 04
Facility address: 139 E 175TH ST
GARDENA, CA 90248
EPA ID: CAT000613919
Mailing address: 777 BIG TIMBER RD
ELGIN, IL 60120
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORP 7 088 04 (Continued)

1000224420

Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: M LARNER BRUCE
Owner/operator address: 1924 SHERBOURNE DR
LOS ANGELES, CA 90034

Owner/operator country: Not reported
Owner/operator telephone: 213-838-9769
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: SAFETY-KLEEN CORP ELGIN IL
Owner/operator address: 777 BIG TIMBER RD
ELGIN, IL 60120

Owner/operator country: Not reported
Owner/operator telephone: 312-697-8460
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 03/23/1992
Site name: SAFETY-KLEEN CORP.
Classification: Large Quantity Generator

Date form received by agency: 04/12/1990

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORP 7 088 04 (Continued)

1000224420

Site name: SAFETY-KLEEN CORP (7 088 04)
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: SAFETY KLEEN CORP 7 088 04
Classification: Not a generator, verified

Corrective Action Summary:

Event date: 08/23/1991
Event: LEAD AGENCY DETERMINATION

Event date: 08/23/1991
Event: PA OR CERCLA INSPECTION

Event date: 08/23/1991
Event: RFA COMPLETED

Event date: 08/23/1991
Event: RFA COMPLETED-ASSESSMENT WAS A PA-PLUS

Event date: 08/23/1991
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 02/20/1992
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 02/20/1992
Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

Event date: 06/23/2000
Event: INVESTIGATION WORKPLAN RECEIVED

Event date: 02/13/2001
Event: INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED

Event date: 09/20/2001
Event: INVESTIGATION WORKPLAN RECEIVED

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 03/10/1997
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/17/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

ENVIROSTOR:

Facility ID: 80001783
Status: Active

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORP 7 088 04 (Continued)

1000224420

Status Date: 01/01/2008
Site Code: 530004
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0.25
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: WM
Program Manager: Angela Turner
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.88959
Longitude: -118.2749
APN: NONE SPECIFIED
Past Use: DISTRIBUTOR - CHEMICAL
Potential COC: TPH-Stoddard Solvent
Confirmed COC: TPH-Stoddard Solvent
Potential Description: SOIL
Alias Name: CAT000613919
Alias Type: EPA Identification Number
Alias Name: 530004
Alias Type: Project Code (Site Code)
Alias Name: 80001783
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/23/2016
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/14/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/06/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/18/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORP 7 088 04 (Continued)

1000224420

Completed Document Type: Monitoring Report
Completed Date: 05/03/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 02/20/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 08/23/1991
Comments: Preliminary Assessment

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 01/01/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 01/21/2014
Comments: Signed and executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/13/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 08/23/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 02/08/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/05/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/23/2012
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORP 7 088 04 (Continued)

1000224420

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 01/07/2013
Comments: Conditional Approval

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/28/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/22/2014
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/21/2014
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/27/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/29/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/11/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/22/2016
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 12/24/2014
Comments: Received.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORP 7 088 04 (Continued)

1000224420

Completed Date: 09/11/2015
Comments: FY1516 Annual Oversight Cost Estimate.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/08/2016
Comments: Annual Cost Estimate finalized and mailed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/29/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/07/2017
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/22/2018
Comments: DTSC and RP agreed to implement WP as written without offsite boring on property to the west

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/22/2018
Comments: FY 1819 Cost Estimate: \$33,388

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 12/11/2017
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: RFI Report
Future Due Date: 2019
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Corrective Measure Implementation Workplan
Future Due Date: 2020
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Corrective Action Completion Determination
Future Due Date: 2020
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedy Selection and Statement of Basis
Future Due Date: 2019
Schedule Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORP 7 088 04 (Continued)

1000224420

Schedule Sub Area Name: Not reported
Schedule Document Type: Operations and Maintenance Plan
Schedule Due Date: 04/18/2018
Schedule Revised Date: 11/14/2022
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Public Participation Plan / Community Relations Plan
Schedule Due Date: 10/16/2018
Schedule Revised Date: 10/15/2020
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Public Notice
Schedule Due Date: 10/13/2018
Schedule Revised Date: 10/12/2020
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Fact Sheets
Schedule Due Date: 10/16/2018
Schedule Revised Date: 10/15/2020
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: CEQA - Initial Study/ Neg. Declaration
Schedule Due Date: 03/22/2019
Schedule Revised Date: 03/21/2020

LUST:

Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701279
Global Id: T0603701279
Latitude: 33.889591
Longitude: -118.274931
Status: Completed - Case Closed
Status Date: 07/19/1996
Case Worker: YR
RB Case Number: 902480043
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Stoddard solvent / Mineral Spruits / Distillates
Site History: Not reported

LUST:

Global Id: T0603701279
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603701279
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORP 7 088 04 (Continued)

1000224420

Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0603701279
Action Type: Other
Date: 04/30/1985
Action: Leak Reported

LUST:

Global Id: T0603701279
Status: Completed - Case Closed
Status Date: 07/19/1996

Global Id: T0603701279
Status: Open - Case Begin Date
Status Date: 04/30/1985

Global Id: T0603701279
Status: Open - Site Assessment
Status Date: 09/14/1993

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 902480043
Status: Case Closed
Substance: Mineral Spirits
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603701279
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 4/30/1985
Date Leak Record Entered: 12/31/1986
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 6/16/1998
Date the Case was Closed: 7/19/1996
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORP 7 088 04 (Continued)

1000224420

Approx. Dist To Production Well (ft): 4621.0017630449604867811179985
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 9/14/1993
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: FORMER SAFETY-KLEEN SERV CTR
RP Address: 139 E 157TH ST, GARDENA CA 90248
Program: LUST
Lat/Long: 33.889422 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: *PROBABLY SOLVENTS. CLOSURE PLAN SUBMITTED TO CDHS/TSCD. 02/13/97 -
4TH QTR RPT 08/18/97 - QTRLY
ACTIVITIES RPT 1997 11/25/97 - QTRLY ACTIVITIES
RPT

HIST UST:

File Number: 00028128
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028128.pdf>
Region: STATE
Facility ID: 00000004795
Facility Type: Other
Other Type: PARTS WASHER SER. CT
Contact Name: STEVE VAGUE
Telephone: 3126978460
Owner Name: SAFETY-KLEEN CORP.
Owner Address: 655 BIG TIMBER ROAD
Owner City,St,Zip: ELGIN, IL 60120
Total Tanks: 0003

Tank Num: 001
Container Num: 01
Year Installed: 1976
Tank Capacity: 00012000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: .25
Leak Detection: Visual, Stock Inventor

Tank Num: 002
Container Num: 02

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORP 7 088 04 (Continued)

1000224420

Year Installed: 1976
Tank Capacity: 00001000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: .1875
Leak Detection: Visual, Stock Inventor

Tank Num: 003
Container Num: 03
Year Installed: 1976
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: .25
Leak Detection: Visual, Stock Inventor

[Click here for Geo Tracker PDF:](#)

RCRA NonGen / NLR:

Date form received by agency: 06/01/1993
Facility name: SAFETY KLEEN CORP 7 088 04
Facility address: 139 E 175TH ST
GARDENA, CA 90248
EPA ID: CAT000613919
Mailing address: 777 BIG TIMBER RD
ELGIN, IL 60120
Contact: Not reported
Contact address: Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: M LARNER BRUCE
Owner/operator address: 1924 SHERBOURNE DR
LOS ANGELES, CA 90034
Owner/operator country: Not reported
Owner/operator telephone: 213-838-9769
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported
Owner/operator name: SAFETY-KLEEN CORP ELGIN IL
Owner/operator address: 777 BIG TIMBER RD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORP 7 088 04 (Continued)

1000224420

ELGIN, IL 60120
Owner/operator country: Not reported
Owner/operator telephone: 312-697-8460
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 03/23/1992
Site name: SAFETY-KLEEN CORP.
Classification: Large Quantity Generator

Date form received by agency: 04/12/1990
Site name: SAFETY-KLEEN CORP (7 088 04)
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: SAFETY KLEEN CORP 7 088 04
Classification: Not a generator, verified

Corrective Action Summary:

Event date: 08/23/1991
Event: LEAD AGENCY DETERMINATION

Event date: 08/23/1991
Event: PA OR CERCLA INSPECTION

Event date: 08/23/1991
Event: RFA COMPLETED

Event date: 08/23/1991
Event: RFA COMPLETED-ASSESSMENT WAS A PA-PLUS

Event date: 08/23/1991
Event: CA PRIORITIZATION-LOW CA PRIORITY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORP 7 088 04 (Continued)

1000224420

Event date: 02/20/1992
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 02/20/1992
Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

Event date: 06/23/2000
Event: INVESTIGATION WORKPLAN RECEIVED

Event date: 02/13/2001
Event: INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED

Event date: 09/20/2001
Event: INVESTIGATION WORKPLAN RECEIVED

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 03/10/1997
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/17/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

US FIN ASSUR:

EPA ID: CAT000613919
County: Not reported
Mechanism type: I
Mechanism Type Description: INSURANCE
Cost estimate: 316473
Face value: 316473
Effective date: 2010-11-17 00:00:00
Provider: INDIAN HARBOR INS. CO.
EPA region: 9

EPA ID: CAT000613919
County: Not reported
Mechanism type: I
Mechanism Type Description: INSURANCE
Cost estimate: 2000000
Face value: 2000000
Effective date: 2011-09-01 00:00:00
Provider: GREENWICH INS. CO.
EPA region: 9

FINDS:

Registry ID: 110002943101

Environmental Interest/Information System

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORP 7 088 04 (Continued)

1000224420

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000224420
Registry ID: 110002943101
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002943101>

CA Financial Assurance 1:

EPA ID Number: CAT000613919 80001783
Sudden Amount1: \$2,000,000.00
Non Sudden Amount1: Not reported
Closure Mechanism: Ins
Closure Amount: \$349,838.00
Post Closure Mechanism: Not reported
Post Closure Amount: Not reported
Corrective Action Mechanism: Not reported
Corrective Action Amount: Not reported
Sudden Mechanism Type: Ins
Sudden Mechanism Amount: \$1,000,000.00
Non Sudden Mechanism Type: Not reported
Non Sudden Mechanism Amount: Not reported
O and M Mechanism Type: Not reported
O and M Amount: Not reported
Closure Mechanism Date of Mechanism: 2017-11-17 00:00:00
Closure Mechanism Renewal Date: Not reported
Closure Mechanism Provider: Indian Harbor Ins. Co.
Postclosure Mechanism Date of Mechanism: Not reported
Postclosure Mechanism Renewal Date: Not reported
Postclosure Mechanism Provider: Not reported
O and M Mechanism Date of Mechanism: Not reported
O and M Mechanism Renewal Date: Not reported
O and M Mechanism Provider: Not reported
Corrective Action Mechanism Date of Mechanism: Not reported
Corrective Action Mechanism Renewal Date: Not reported
Corrective Action Mechanism Provider: Not reported
Sudden Mechanism Date of Mechanism: 2017-11-01 00:00:00
Sudden Mechanism Renewal Date: Not reported
Sudden Mechanism Provider: Indian Harbor Ins. Co.
Non-Sudden Mechanism Date of Mechanism: Not reported
Non-Sudden Mechanism Renewal Date: Not reported
Non-Sudden Mechanism Provider: Not reported
Date Entered into EnviroStor: 2016-11-21 00:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN CORP 7 088 04 (Continued)

1000224420

Authorization Type: Cleanup
Comments: Policy #PEC000707312, \$4,117,873, covers multiple facilities

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 902480043

HWP:

EPA Id: CAT000613919
Cleanup Status: CLOSED
Latitude: 33.88959
Longitude: -118.2749
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: 530004
Assembly District: 64
Senate District: 35
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:

EPA Id: CAT000613919
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 01/26/1984

EPA Id: CAT000613919
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 03/09/1983

EPA Id: CAT000613919
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 07/17/1985

EPA Id: CAT000613919
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/18/1980

EPA Id: CAT000613919
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date: 02/08/1983

Closure:

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SAFETY KLEEN CORP 7 088 04 (Continued)

1000224420

EPA Id: CAT000613919
 Facility Type: Historical - Non-Operating
 Unit Names: CONTAIN1
 Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
 Actual Date: 06/16/1998

EPA Id: CAT000613919
 Facility Type: Historical - Non-Operating
 Unit Names: CONTAIN1
 Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
 Actual Date: 09/03/1997

Alias:
 EPA Id: CAT000613919
 Facility Type: Historical - Non-Operating
 Alias Type: Project Code (Site Code)
 Alias: 530004

AG137
ENE
1/4-1/2
0.466 mi.
2463 ft.

ADVANCED PACKAGING & PRODUCTS
16131 SOUTH MAPLE AVENUE
CARSON, CA 90248

SEMS 1009396128
PRP CAN000908363

Site 1 of 3 in cluster AG

Relative:
Higher
Actual:
50 ft.

SEMS:
 Site ID: 0908363
 EPA ID: CAN000908363
 Cong District: Not reported
 FIPS Code: 06037
 Latitude: +35.8853
 Longitude: -118.2708
 FF: N
 NPL: Not on the NPL
 Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

SEMS Detail:

Region: 09
 Site ID: 0908363
 EPA ID: CAN000908363
 Site Name: ADVANCED PACKAGING & PRODUCTS
 NPL: N
 FF: N
 OU: 00
 Action Code: RV
 Action Name: RMVL
 SEQ: 1
 Start Date: 2006-05-01 04:00:00
 Finish Date: 5/9/2006 4:00:00 AM
 Qual: S
 Current Action Lead: EPA Perf

Region: 09
 Site ID: 0908363
 EPA ID: CAN000908363
 Site Name: ADVANCED PACKAGING & PRODUCTS
 NPL: N
 FF: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ADVANCED PACKAGING & PRODUCTS (Continued)

1009396128

OU: 00
Action Code: BB
Action Name: PRP RV
SEQ: 1
Start Date: 2006-07-20 04:00:00
Finish Date: 11/8/2006 5:00:00 AM
Qual: C
Current Action Lead: EPA Ovrsght

PRP:

PRP Name: ADVANCED PACKAGING PRODUCTS
GINGER ROOT LLC
PJH BRANDS INC
STEVEN RENSHAW

**AG138
ENE
1/4-1/2
0.479 mi.
2527 ft.**

**PJH GROUP, INC.
16131 MAPLE AVE S
CARSON, CA 90248**

**LUST S103587507
N/A**

Site 2 of 3 in cluster AG

**Relative:
Higher
Actual:
50 ft.**

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-12116
Status: Pollution Characterization
Substance: Solvents
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603705100
W Global ID: Not reported
Staff: SLC
Local Agency: 19000
Cross Street: ALONDRA
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 8/6/1991
Date Leak Record Entered: 6/8/1992
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 12/1/1998
Date the Case was Closed: Not reported
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 6479.1518083312104383815142012
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 1/15/1992

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PJH GROUP, INC. (Continued)

S103587507

Pollution Characterization Began:	4/30/1998	
Remediation Plan Submitted:	Not reported	
Remedial Action Underway:	Not reported	
Post Remedial Action Monitoring Began:	Not reported	
Enforcement Action Date:	Not reported	
Historical Max MTBE Date:	Not reported	
Hist Max MTBE Conc in Groundwater:	Not reported	
Hist Max MTBE Conc in Soil:	Not reported	
Significant Interim Remedial Action Taken:	Not reported	
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	PJH GROUP, INC.	
RP Address:	16131 S MAPLE AVE., CARSON, CA 90248	
Program:	SLIC	
Lat/Long:	33.8855421 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	LOP/HIGH - KNOWN HEALTH/SAFETY/ENVIRONMENTAL IMPACT	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Q.G.W. MONITORING REQ'D. BY LA COUNTY DPW 7/92 METHYLENE CHLORIDE & OTHER VOC'S QTRLY 1998	REFERRED CONTAMINATION FROM 11/30/98 - 3RD GW MON RPT

AG139
ENE
1/4-1/2
0.479 mi.
2527 ft.

ADVANCED PACKAGING & PRODUCTS CO. - PJH GROUP (FOR
16131 SOUTH MAPLE AVENUE
GARDENA, CA 90248
Site 3 of 3 in cluster AG

ENVIROSTOR **S104404877**
CPS-SLIC **N/A**
HIST CORTESE

Relative:
Higher
Actual:
50 ft.

ENVIROSTOR:
 Facility ID: 60001290
 Status: Refer: EPA
 Status Date: 06/27/2013
 Site Code: 301442-27
 Site Type: Evaluation
 Site Type Detailed: Evaluation
 Acres: 0.2
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Manjul Bose
 Supervisor: Javier Hinojosa
 Division Branch: Cleanup Chatsworth
 Assembly: 55
 Senate: 35
 Special Program: EPA - PASI
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: EPA Grant
 Latitude: 33.88476
 Longitude: -118.2712
 APN: NONE SPECIFIED
 Past Use: NONE SPECIFIED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ADVANCED PACKAGING & PRODUCTS CO. - PJH GROUP (FORMER) (Continued)

S104404877

Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 301442-27
Alias Type: Project Code (Site Code)
Alias Name: 60001290
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:

Region: STATE
Facility Status: **Open - Inactive**
Status Date: 01/28/2016
Global Id: SLT4L7741869
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.884882
Longitude: -118.271264
Case Type: Cleanup Program Site
Case Worker: COR
Local Agency: Not reported
RB Case Number: 0774
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply, Soil
Potential Contaminants of Concern: 1,1,1-Trichloroethane (TCA), Acetone, Benzene, Other Chlorinated Hydrocarbons, Other Solvent or Non-Petroleum Hydrocarbon, Tetrachloroethylene (PCE), Toluene, Trichloroethylene (TCE), Vinyl chloride, Xylene, Gasoline

Site History: The facility was a specialty (aerosol) paint manufacturing and packaging facility until a fire incident on January 2006. Two 2,100-gallon USTs contained toluene and naphtha and were removed in September 1999. Petroleum hydrocarbon-impacted soil was encountered during the UST excavation. Two ASTs contained methylene chloride. A 5,000-gallon AST used to store acetone. Dissolved-phase concentrations of chemicals consisted of chlorinated solvents (primarily methylene chloride) and petroleum hydrocarbons (primarily toluene). Depth to groundwater is approximately 47 feet bgs.

[Click here to access the California GeoTracker records for this facility:](#)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ADVANCED PACKAGING & PRODUCTS CO. - PJH GROUP (FORMER) (Continued)

S104404877

SLIC REG 4:

Region: 4
Facility Status: Site Assessment
SLIC: 0774
Substance: VOCs
Staff: CO

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-12116

140
SSW
1/4-1/2
0.492 mi.
2599 ft.

CUNNINGHAM RODS
535/ 550 WEST 172ND STREET
GARDENA, CA 90248

LUST S109348483
N/A

Relative:
Lower
Actual:
33 ft.

LUST:

Lead Agency: LOS ANGELES, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000000595
Global Id: T10000000595
Latitude: 33.8751653
Longitude: -118.2832078
Status: Completed - Case Closed
Status Date: 12/01/2008
Case Worker: PK
RB Case Number: Not reported
Local Agency: LOS ANGELES, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

LUST:

Global Id: T10000000595
Contact Type: Local Agency Caseworker
Contact Name: PATRICK KILLIAN
Organization Name: LOS ANGELES, CITY OF
Address: 221 N FIGUEROA ST STE 1500
City: LOS ANGELES
Email: Not reported
Phone Number: 2134826527

LUST:

Global Id: T10000000595
Action Type: Other
Date: 02/15/1990
Action: Leak Stopped

Global Id: T10000000595
Action Type: Other
Date: 12/01/2008
Action: Leak Reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CUNNINGHAM RODS (Continued)

S109348483

Global Id: T10000000595
Action Type: Other
Date: 02/15/1990
Action: Leak Discovery

LUST:

Global Id: T10000000595
Status: Completed - Case Closed
Status Date: 12/01/2008

Global Id: T10000000595
Status: Open - Case Begin Date
Status Date: 02/15/1990

AH141
North
1/2-1
0.524 mi.
2767 ft.

J. L. MANTA
133 WEST 155TH STREET
GARDENA, CA 90248

Site 1 of 3 in cluster AH

RESPONSE **S102008366**
ENVIROSTOR **N/A**
HIST Cal-Sites

Relative:
Higher
Actual:
52 ft.

RESPONSE:
Facility ID: 19990016
Site Type: State Response
Site Type Detail: State Response or NPL
Acres: 0
National Priorities List: NO
Cleanup Oversight Agencies: NONE SPECIFIED
Lead Agency Description: Not reported
Project Manager: Not reported
Supervisor: Sayareh Amirebrahimi
Division Branch: Cleanup Chatsworth
Site Code: Not reported
Site Mgmt. Req.: NONE SPECIFIED
Assembly: 64
Senate: 35
Special Program Status: Not reported
Status: Certified
Status Date: 01/01/1981
Restricted Use: NO
Funding: Responsible Party
Latitude: 33.89132
Longitude: -118.2773
APN: 6129-007-045, 6129007045
Past Use: HAZARDOUS WASTE HAULER, ILLEGAL DUMPING
Potential COC : Hydrochloric Acid (Hydrogen Chloride Nitric Acid
Confirmed COC: Nitric Acid Hydrochloric Acid (Hydrogen Chloride
Potential Description: SOIL
Alias Name: 6129-007-045
Alias Type: APN
Alias Name: 6129007045
Alias Type: APN
Alias Name: 110033612838
Alias Type: EPA (FRS #)
Alias Name: 19990016
Alias Type: Envirostor ID Number

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J. L. MANTA (Continued)

S102008366

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 01/01/1981
Comments: Our records do not indicate the actual date this site was certified.
Our records show 1981 as the certification year. We have used 01/01/1981 because this gives us the earliest statute of limitations.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:

Facility ID: 19990016
Status: Certified
Status Date: 01/01/1981
Site Code: Not reported
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 0
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Sayareh Amirebrahimi
Division Branch: Cleanup Chatsworth
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.89132
Longitude: -118.2773
APN: 6129-007-045, 6129007045
Past Use: HAZARDOUS WASTE HAULER, ILLEGAL DUMPING
Potential COC: Hydrochloric Acid (Hydrogen Chloride Nitric Acid
Confirmed COC: Nitric Acid Hydrochloric Acid (Hydrogen Chloride
Potential Description: SOIL
Alias Name: 6129-007-045
Alias Type: APN
Alias Name: 6129007045
Alias Type: APN
Alias Name: 110033612838
Alias Type: EPA (FRS #)
Alias Name: 19990016
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J. L. MANTA (Continued)

S102008366

Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 01/01/1981
Comments: Our records do not indicate the actual date this site was certified.
Our records show 1981 as the certification year. We have used
01/01/1981 because this gives us the earliest statute of limitations.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Calsite:

Region: GLENDALE
Facility ID: 19990016
Facility Type: RP
Type: RESPONSIBLE PARTY
Branch: SA
Branch Name: SO CAL - GLENDALE
File Name: Not reported
State Senate District: 01011981
Status: CERTIFIED AS HAVING BEEN REMEDIED SATISFACTORILY UNDER DTSC OVERSIGHT
Status Name: CERTIFIED
Lead Agency: N/A
NPL: Not reported
SIC Code: 99
SIC Name: NONCLASSIFIABLE ESTABLISHMENTS
Access: Not reported
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Not reported
Staff Member Responsible for Site: Not reported
Supervisor Responsible for Site: Not reported
Region Water Control Board: Not reported
Region Water Control Board Name: Not reported
Lat/Long Direction: Not reported
Lat/Long (dms): 0 0 0 / 0 0 0
Lat/long Method: Not reported
Lat/Long Description: Not reported
State Assembly District Code: 51
State Senate District Code: 25
Facility ID: 19990016
Activity: CERT
Activity Name: CERTIFICATION
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 01011981
Est Person-Yrs to complete: 0
Estimated Size: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J. L. MANTA (Continued)

S102008366

Request to Delete Activity: Not reported
Activity Status: CERT
Definition of Status: CERTIFIED
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Alternate Address: 133 WEST 155TH STREET
Alternate City,St,Zip: GARDENA, CA 90248
Background Info: Not reported
Comments Date: 01011981
Comments: 860 cubic yards of contaminated soil were removed.
Comments Date: 01011981
Comments: This certification was confirmed by a report prepared by the
Comments Date: 01011981
Comments: Auditor General. The Auditor General conducted an audit of
Comments Date: 01011981
Comments: the Department's records to confirm a list of sites where
Comments Date: 01011981
Comments: the Department was involved in the cleanup and the cleanup
Comments Date: 01011981
Comments: had been completed. This Auditor General list became the
Comments Date: 01011981
Comments: basis for our historical certification information. Many of
Comments Date: 01011981
Comments: the sites on this list were handled by our Surveillance and
Comments Date: 01011981
Comments: Enforcement Staff. Much of this work was in response to
Comments Date: 01011981
Comments: complaints from the public or reports from industry and the
Comments Date: 01011981
Comments: response action may have only addressed the immediate
Comments Date: 01011981
Comments: problem and not the entire facility.
Comments Date: 01251996
Comments: Our records do not indicate the actual date this site was
Comments Date: 01251996
Comments: certified. Our records show 1981 as the certification year.
Comments Date: 01251996
Comments: We have used 01/01/1981 because this gives us the earliest
Comments Date: 01251996
Comments: statute of limitations.
ID Name: Not reported
ID Value: Not reported
Alternate Name: J. L. MANTA
Alternate Name: Not reported
Special Programs Code: Not reported
Special Programs Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AI142
North
1/2-1
0.548 mi.
2894 ft.

MODERN HEAT TREATING COMPANY INC
15402 SOUTH BROADWAY
GARDENA, CA 90248

ENVIROSTOR S101480756
N/A

Site 1 of 3 in cluster AI

Relative:
Higher
Actual:
52 ft.

ENVIROSTOR:

Facility ID: 19330222
Status: Refer: Other Agency
Status Date: 07/25/1994
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 64
Senate: 35
Special Program: * Site Char & Assess Grant (CERCLA 104)
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.89171
Longitude: -118.2783
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * UNSPECIFIED ACID SOLUTION * UNSPECIFIED AQUEOUS SOLUTION
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD008270407
Alias Type: EPA Identification Number
Alias Name: 19330222
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 04/01/1985
Comments: T/C W/ B.BORLAND,MODERN HEAT,213-321- 3693,12/28/84 - 1)SOURCE ACT: HEAT TREAT PROCESS ON METAL PARTS. 2)YR OF OPER: 1955 - PRESENT 4)WASTE TYPE: WASTEWATER W/CHLORIDE SALT SODIUM POTASSIUM CHLORIDE. PERMIT: LACE IWD #1501 50S TO 70S TREATED IN MOLTEN SALT BATHS. IN PAST FEW YRS OPER HAS BEEN CHANGED. INCIDENT: APPROX.1980 FIRE,OIL OVERHEATD OUTSIDE A FURNANCE. ENF HISTORY: 4/8/83 LACE NOTICE OF NON-COMPLI. EXCESS OIL IN PRETREATMENT FAC. 11/1/79&8/8/75 LACE NOTICE OF NON-COMPLI EXCESS OIL IN INTERCEPTOR FAC. 8/18/60 LA CO SANIT EXCESS OIL INTERCEPTOR FAC. SUBMIT TO EPA PRELIM ASSESS DONE CERCLA 104

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 10/08/1982
Comments: FACILITY IDENTIFIED L.A. CHAM OF COMM BUS DIR 1966

Future Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MODERN HEAT TREATING COMPANY INC (Continued)

S101480756

Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

AH143
North
1/2-1
0.561 mi.
2961 ft.

COAST PLATING INC
128 W 154TH ST
GARDENA, CA 90248
Site 2 of 3 in cluster AH

ENVIROSTOR
LOS ANGELES CO. HMS
WDS

S101480809
N/A

Relative:
Higher
Actual:
55 ft.

ENVIROSTOR:
Facility ID: 19340663
Status: Refer: Other Agency
Status Date: 08/31/1995
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Chatsworth
Assembly: 64
Senate: 35
Special Program: * Site Char & Assess Grant (CERCLA 104)
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.89172
Longitude: -118.2773
APN: 6129007035
Past Use: NONE SPECIFIED
Potential COC: * HALOGENATED ORGANIC COMPOUNDS * Metals - Sludge * OXYGENATED SOLVENTS * AQUEOUS SOLUTION WITH METALS * ACID SOLUTION 2->PH WITH METALS * Sludge - Paint * TANK BOTTOM WASTES * UNSPECIFIED ACID SOLUTION Lead Cadmium and compounds
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: COAST ENGINEERING CO (1959-64)
Alias Type: Alternate Name
Alias Name: 6129007035
Alias Type: APN
Alias Name: CAD009588278
Alias Type: EPA Identification Number
Alias Name: 19340663
Alias Type: Envirostor ID Number
Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Site Inspection (SI) Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COAST PLATING INC (Continued)

S101480809

Completed Date: 04/06/1993
Comments: EPA Site Assessment decision was NFA do to: 1) facility operations are indoors above a concrete floor 2) empty lot where the illegal dumping occurred is now occupied by a building 3) industrial area, no schools, etc 4) drinking water 250 ft with clay layer of 50 ft above and 1.5 miles to nearest drinking water well NFA recommended per DTSC.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 11/23/1987
Comments: SITE SCREENING DONE ZIP CODE IS WRONG ON PROP 65 LIST SHOULD BE 90247, NOT 90248 MEDIUM INSPECTION REQUIRED BY LOSANGELES COUNTY HEALTH DEPT.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 02/11/1983
Comments: FACILITY IDENTIFIED L. A. CHAM OF COMM BUS DIR 1969

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LOS ANGELES CO. HMS:

Region: LA
Permit Category: I
Facility Id: 004619-I04797
Facility Type: 01
Facility Status: Closed
Area: 29
Permit Number: 000004054
Permit Status: Closed

Region: LA
Permit Category: I
Facility Id: 004619-I04797
Facility Type: 01
Facility Status: Closed
Area: 29
Permit Number: 000004057
Permit Status: Closed

Region: LA
Permit Category: S
Facility Id: 004619-045120
Facility Type: S6
Facility Status: Closed
Area: 29

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COAST PLATING INC (Continued)

S101480809

Permit Number: CGI004271
Permit Status: Closed

Region: LA
Permit Category: S
Facility Id: 004619-062044
Facility Type: S6
Facility Status: Permit
Area: 29
Permit Number: CGI026584
Permit Status: Permit

WDS:

Facility ID: 4 19I004271
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: 3237700240
Facility Contact: BEAUVAIS MICHAEL
Agency Name: COAST PLATING CO
Agency Address: 128 W 154th St
Agency City,St,Zip: Gardena 902482282
Agency Contact: BEAUVAIS MICHAEL
Agency Telephone: 2137700240
Agency Type: Private
SIC Code: 0
SIC Code 2: Not reported
Primary Waste Type: Not reported
Primary Waste: Not reported
Waste Type2: Not reported
Waste2: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

COAST PLATING INC (Continued)

S101480809

dairy waste ponds.

AH144
North
1/2-1
0.561 mi.
2961 ft.

COAST PLATING INC
128-150 W 154TH ST
GARDENA, CA 90248
Site 3 of 3 in cluster AH

ENVIROSTOR **S106828902**
EMI **N/A**

Relative:
Higher
Actual:
55 ft.

ENVIROSTOR:
 Facility ID: 71002304
 Status: No Action Required
 Status Date: 09/09/2010
 Site Code: 301428
 Site Type: Evaluation
 Site Type Detailed: Evaluation
 Acres: 0.5
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: NONE SPECIFIED
 Program Manager: Poonam Acharya
 Supervisor: Rita Kamat
 Division Branch: Cleanup Cypress
 Assembly: 64
 Senate: 35
 Special Program: EPA - PASI
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: Not reported
 Latitude: 33.89172
 Longitude: -118.2773
 APN: 6129-007-035, 6129-007-036, 6129-007-037
 Past Use: METAL PLATING - CHROME, METAL PLATING - OTHER
 Potential COC: Under Investigation Tetrachloroethylene (PCE Trichloroethylene (TCE
 Confirmed COC: 30022-NO 30027-NO Under Investigation
 Potential Description: AQUIC, CSS, SOIL, SV, UE
 Alias Name: 6129-007-035
 Alias Type: APN
 Alias Name: 6129-007-036
 Alias Type: APN
 Alias Name: 6129-007-037
 Alias Type: APN
 Alias Name: CAD009588278
 Alias Type: EPA Identification Number
 Alias Name: 301428
 Alias Type: Project Code (Site Code)
 Alias Name: 71002304
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Phase 1
 Completed Date: 04/06/2004
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: PA/SI Site Screening

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COAST PLATING INC (Continued)

S106828902

Completed Date: 06/30/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase I Verification
Completed Date: 04/06/2004
Comments: Inspection report sent on 4/6/2004

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

EMI:

Year: 1996
County Code: 19
Air Basin: SC
Facility ID: 21593
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 10
Reactive Organic Gases Tons/Yr: 6
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2002
County Code: 19
Air Basin: SC
Facility ID: 21593
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2003
County Code: 19
Air Basin: SC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COAST PLATING INC (Continued)

S106828902

Facility ID: 21593
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2004
County Code: 19
Air Basin: SC
Facility ID: 21593
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.48174
Reactive Organic Gases Tons/Yr: 2.42
Carbon Monoxide Emissions Tons/Yr: 0.0766
NOX - Oxides of Nitrogen Tons/Yr: 0.2847
SOX - Oxides of Sulphur Tons/Yr: 0.001823
Particulate Matter Tons/Yr: 0.017191
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.02

Year: 2005
County Code: 19
Air Basin: SC
Facility ID: 21593
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.34034
Reactive Organic Gases Tons/Yr: 2.309566748
Carbon Monoxide Emissions Tons/Yr: .0217
NOX - Oxides of Nitrogen Tons/Yr: .0806
SOX - Oxides of Sulphur Tons/Yr: .00037
Particulate Matter Tons/Yr: .004655
Part. Matter 10 Micrometers and Smlr Tons/Yr:.00465095

Year: 2006
County Code: 19
Air Basin: SC
Facility ID: 21593
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COAST PLATING INC (Continued)

S106828902

Total Organic Hydrocarbon Gases Tons/Yr: 2.542218685986749474
Reactive Organic Gases Tons/Yr: 2.486
Carbon Monoxide Emissions Tons/Yr: .094
NOX - Oxides of Nitrogen Tons/Yr: .348
SOX - Oxides of Sulphur Tons/Yr: .002
Particulate Matter Tons/Yr: .02
Part. Matter 10 Micrometers and Smlr Tons/Yr:.02

Year: 2007
County Code: 19
Air Basin: SC
Facility ID: 21593
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.542218685986749474
Reactive Organic Gases Tons/Yr: 2.486
Carbon Monoxide Emissions Tons/Yr: .094
NOX - Oxides of Nitrogen Tons/Yr: .348
SOX - Oxides of Sulphur Tons/Yr: .002
Particulate Matter Tons/Yr: .02
Part. Matter 10 Micrometers and Smlr Tons/Yr:.02

Year: 2008
County Code: 19
Air Basin: SC
Facility ID: 21593
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .0671362112542340242
Reactive Organic Gases Tons/Yr: .052925
Carbon Monoxide Emissions Tons/Yr: .07
NOX - Oxides of Nitrogen Tons/Yr: .27
SOX - Oxides of Sulphur Tons/Yr: .00129
Particulate Matter Tons/Yr: .010927
Part. Matter 10 Micrometers and Smlr Tons/Yr:.01017613

Year: 2012
County Code: 19
Air Basin: SC
Facility ID: 21593
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 5.1251007969
Reactive Organic Gases Tons/Yr: 5.06164
Carbon Monoxide Emissions Tons/Yr: 0.00542
NOX - Oxides of Nitrogen Tons/Yr: 0.02015
SOX - Oxides of Sulphur Tons/Yr: 9.3e-005
Particulate Matter Tons/Yr: 0.8217771

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COAST PLATING INC (Continued)

S106828902

Part. Matter 10 Micrometers and Smlr Tons/Yr:0.7069483373

Year: 2013
County Code: 19
Air Basin: SC
Facility ID: 21593
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 4.826133688
Reactive Organic Gases Tons/Yr: 4.76621
Carbon Monoxide Emissions Tons/Yr: 0.00576
NOX - Oxides of Nitrogen Tons/Yr: 0.02145
SOX - Oxides of Sulphur Tons/Yr: 9e-005
Particulate Matter Tons/Yr: 0.82177335
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.706951616

Year: 2016
County Code: 19
Air Basin: SC
Facility ID: 21593
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.2388636364
Reactive Organic Gases Tons/Yr: 1.2339
Carbon Monoxide Emissions Tons/Yr: 0.01008
NOX - Oxides of Nitrogen Tons/Yr: 0.01749
SOX - Oxides of Sulphur Tons/Yr: 0.000405
Particulate Matter Tons/Yr: 0.4614692
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.370509142

AI145
North
1/2-1
0.580 mi.
3064 ft.

LEE JAMES G RECORD PROCESSING#
145 W 154TH ST
GARDENA, CA 90248
Site 2 of 3 in cluster AI

RCRA-SQG **1000120592**
ENVIROSTOR **CAD008268799**
DEED
FINDS
ECHO

Relative:
Higher

RCRA-SQG:

Date form received by agency:09/01/1996
Facility name: LEE JAMES G RECORD PROCESSING#
Facility address: 145 W 154TH ST
GARDENA, CA 90248
EPA ID: CAD008268799
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of

Actual:
55 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LEE JAMES G RECORD PROCESSING# (Continued)

1000120592

hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: JAMES G LEE
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 09/23/1980
Site name: LEE JAMES G RECORD PROCESSING#
Classification: Large Quantity Generator

Violation Status: No violations found

ENVIROSTOR:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LEE JAMES G RECORD PROCESSING# (Continued)

1000120592

Facility ID: 71003728
Status: Certified O&M - Land Use Restrictions Only
Status Date: 09/15/2010
Site Code: 301064
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: 0.5
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Robert Senga
Division Branch: Cleanup Cypress
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: YES
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.89221
Longitude: -118.2778
APN: 6129-007-002, 6129-007-023
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 6129-007-002
Alias Type: APN
Alias Name: 6129-007-023
Alias Type: APN
Alias Name: 301064
Alias Type: Project Code (Site Code)
Alias Name: 71003728
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 09/10/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Workplan
Completed Date: 01/31/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 02/13/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 10/04/2001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LEE JAMES G RECORD PROCESSING# (Continued)

1000120592

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Workplan
Completed Date: 06/12/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Implementation Report
Completed Date: 06/12/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 01/18/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Oversight
Completed Date: 05/14/2003
Comments: Inspection report sent on 5/14/2003

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/27/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other
Completed Date: 10/04/2001
Comments: Inspection report sent on 10/4/2001

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/05/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 02/01/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 01/22/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LEE JAMES G RECORD PROCESSING# (Continued)

1000120592

Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 02/01/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: No Further Action Letter
Completed Date: 04/30/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 11/09/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Acknowledgement of Satisfaction
Completed Date: 04/17/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 03/12/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * IM Public Participation
Completed Date: 01/21/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 02/02/2015
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DEED:

Envirostor ID: 71003728
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: TIERED PERMIT
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LEE JAMES G RECORD PROCESSING# (Continued)

1000120592

Agency: Not reported
 Covenant Uploaded: Not reported
 Deed Date(s): 03/12/2008
 File Name: Envirostor Land Use Restrictions

FINDS:

Registry ID: 110002631377

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000120592
 Registry ID: 110002631377
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002631377>

146
 North
 1/2-1
 0.586 mi.
 3095 ft.

ACCU-CHROME PLATING CO.
119 W. 154TH STREET
GARDENA, CA 90248

ENVIROSTOR S111120535
N/A

Relative:
Higher
Actual:
57 ft.

ENVIROSTOR:
 Facility ID: 60001497
 Status: Inactive - Action Required
 Status Date: 06/27/2013
 Site Code: Not reported
 Site Type: Evaluation
 Site Type Detailed: Evaluation
 Acres: 0.1
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Not reported
 Supervisor: Javier Hinojosa
 Division Branch: Cleanup Chatsworth
 Assembly: 64
 Senate: 35
 Special Program: EPA - PASI
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: EPA Grant
 Latitude: 33.89221
 Longitude: -118.2769
 APN: NONE SPECIFIED
 Past Use: UNKNOWN
 Potential COC: Under Investigation

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ACCU-CHROME PLATING CO. (Continued)

S111120535

Confirmed COC: 31000-NO 31001-NO
 Potential Description: NMA
 Alias Name: 60001497
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
 Completed Sub Area Name: Not reported
 Completed Document Type: Not reported
 Completed Date: Not reported
 Comments: Not reported

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

AI147
North
1/2-1
0.589 mi.
3110 ft.

AUTOMATED ETCHING INC.
15311 SOUTH BROADWAY
GARDENA, CA 90248

ENVIROSTOR S101480917
N/A

Site 3 of 3 in cluster AI

Relative:
Higher
Actual:
54 ft.

ENVIROSTOR:
 Facility ID: 19380054
 Status: Refer: Other Agency
 Status Date: 03/08/1984
 Site Code: Not reported
 Site Type: Historical
 Site Type Detailed: * Historical
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: NONE SPECIFIED
 Program Manager: Not reported
 Supervisor: * Mmonroy
 Division Branch: Cleanup Cypress
 Assembly: 64
 Senate: 35
 Special Program: * RCRA 3012 - Past Haz Waste Disp Inven Site
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: Not reported
 Latitude: 33.89222
 Longitude: -118.2783
 APN: NONE SPECIFIED
 Past Use: NONE SPECIFIED
 Potential COC: Cyanide (free)
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: CAT080013907
 Alias Type: EPA Identification Number
 Alias Name: 110002946402

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

AUTOMATED ETCHING INC. (Continued)

S101480917

Alias Type: EPA (FRS #)
 Alias Name: 19380054
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 10/28/1994
 Comments: DATABASE VERIFICATION PROJECT CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Preliminary Assessment Report
 Completed Date: 03/08/1984
 Comments: FACILITY DRIVE-BY ASAP. VACANT. SOURCE ACT: LETTER FROM R.PRITKIN,AUTO- MATED ETCHING CO 5/28/81 - PHOTO FABRICT PLATED LEAD FRAMES FOR THE SEMI-CONDUCTR INDUSTRY. OUT OF BUSINESS. WASTE IN BBLs HAULED AWAY BY HUNT CHEMIC WASTE: NOTIF OF HZD WASTE ACT,12/29/80 - SPENT CYANIDE BATHS, POTASSIUM SILVER CYANIDE,POTASSIUM CYANIDE,SODIUM CYANIDE SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: * Discovery
 Completed Date: 09/26/1983
 Comments: FACILITY IDENTIFIED ID FROM ERRIS

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

148
 NNW
 1/2-1
 0.666 mi.
 3519 ft.

MAGNOLIA CHARTER SCHOOL #3
555 W. REDONDO BEACH BOULEVARD
GARDENA, CA 90248

ENVIROSTOR S109930565
SCH N/A

Relative:
Higher
Actual:
49 ft.

ENVIROSTOR:
 Facility ID: 60000945
 Status: No Further Action
 Status Date: 08/20/2008
 Site Code: 304608
 Site Type: School Investigation
 Site Type Detailed: School
 Acres: 2.06
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Not reported
 Supervisor: Javier Hinojosa
 Division Branch: Southern California Schools & Brownfields Outreach

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAGNOLIA CHARTER SCHOOL #3 (Continued)

S109930565

Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.89318
Longitude: -118.2844
APN: 6120028006
Past Use: OFFICE BUILDING, SCHOOL - COLLEGE
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: No Contaminants found
Potential Description: NMA
Alias Name: 6120028006
Alias Type: APN
Alias Name: 304608
Alias Type: Project Code (Site Code)
Alias Name: 60000945
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 08/25/2008
Comments: The project is now complete. Based on the findings of the Phase I, there are no RECs and no further action is recommended.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 12/05/2008
Comments: This project is now considered complete.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 60000945
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 2.06
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Javier Hinojosa

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MAGNOLIA CHARTER SCHOOL #3 (Continued)

S109930565

Division Branch: Southern California Schools & Brownfields Outreach
 Site Code: 304608
 Assembly: 64
 Senate: 35
 Special Program Status: Not reported
 Status: No Further Action
 Status Date: 08/20/2008
 Restricted Use: NO
 Funding: School District
 Latitude: 33.89318
 Longitude: -118.2844
 APN: 6120028006
 Past Use: OFFICE BUILDING, SCHOOL - COLLEGE
 Potential COC: NONE SPECIFIED, No Contaminants found
 Confirmed COC: No Contaminants found
 Potential Description: NMA
 Alias Name: 6120028006
 Alias Type: APN
 Alias Name: 304608
 Alias Type: Project Code (Site Code)
 Alias Name: 60000945
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Phase 1
 Completed Date: 08/25/2008
 Comments: The project is now complete. Based on the findings of the Phase I, there are no RECs and no further action is recommended.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Cost Recovery Closeout Memo
 Completed Date: 12/05/2008
 Comments: This project is now considered complete.

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

AJ149 **TP INDUSTRIAL, INC**
ENE **525 E ALONDRA BL**
1/2-1 **GARDENA, CA 90248**
0.732 mi.
3864 ft. **Site 1 of 2 in cluster AJ**

Relative:
Higher
Actual:
57 ft.

ENVIROSTOR:
 Facility ID: 80001731

ENVIROSTOR **U001563139**
CPS-SLIC **N/A**
HIST UST
DEED
EMI
Financial Assurance
WDR
CIWQS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL, INC (Continued)

U001563139

Status: Active
Status Date: 05/15/2009
Site Code: 300242
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 1.5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: WM
Program Manager: Richard Allen
Supervisor: Javier Hinojosa
Division Branch: Cleanup Chatsworth
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.88636
Longitude: -118.2663
APN: 6125012016
Past Use: ABOVE GROUND STORAGE TANKS, RECYCLING - OTHER, UNDERGROUND STORAGE TANKS, RECYCLING - OTHER, UNDERGROUND STORAGE TANKS
Potential COC: Benzene Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Vinyl chloride 1,4-Dioxane 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Acetone 1,1-Dichloroethylene 1,2-Dichloroethylene (cis Toluene Xylenes Benzene Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA 1,4-Dioxane Trichloroethylene (TCE Vinyl chloride 30026-NO 30032-NO 30195-NO 30550-NO 30593-NO 30027-NO 30194-NO
Confirmed COC: Benzene Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA 1,4-Dioxane Trichloroethylene (TCE Vinyl chloride 30026-NO 30032-NO 30195-NO 30550-NO 30593-NO 30027-NO 30194-NO
Potential Description: OTH, SOIL, SV, IA, OTH, SED, SOIL, SV
Alias Name: 6125012016
Alias Type: APN
Alias Name: CAD097465132
Alias Type: EPA Identification Number
Alias Name: SLT4306159
Alias Type: GeoTracker Global ID
Alias Name: 300242
Alias Type: Project Code (Site Code)
Alias Name: 80001731
Alias Type: Envirostor ID Number
Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 06/23/2014
Comments: Not reported
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Workplan
Completed Date: 08/14/2014
Comments: Not reported
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL, INC (Continued)

U001563139

Completed Date: 12/07/2015
Comments: Upon speaking with Geologist, a decision was made to have facility ensure future report incorporate the required revisions

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 12/31/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/30/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 07/07/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/07/2015
Comments: will review future reports for recommended changes based on DTSC's comments, however this report to be accepted as is

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 05/17/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 03/15/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 03/16/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/09/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/17/2016

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL, INC (Continued)

U001563139

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/10/2017
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/12/2017
Comments: DONE

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 04/21/2017
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/25/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 10/12/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/23/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/05/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 06/30/2006
Comments: Installation and monitoring of deep soil probes.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 06/10/2004
Comments: Conditional approval for soil gas investigation and workplan approved.
Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL, INC (Continued)

U001563139

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 12/28/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/02/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/03/2010
Comments: Completed, No DTSC approval required

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/03/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/10/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/07/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 05/30/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/01/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/24/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL, INC (Continued)

U001563139

Completed Date: 11/18/2010
Comments: This is complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 08/04/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 04/21/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 04/01/2012
Comments: field work complete, no documents associated with this task

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Workplan
Completed Date: 05/12/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan Addendum
Completed Date: 09/04/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/20/2012
Comments: Routine report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/22/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/04/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/12/2013
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL, INC (Continued)

U001563139

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/10/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/10/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 06/23/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measures Study Workplan
Completed Date: 06/23/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 06/29/2007
Comments: In Situ Chemical Oxidation Pilot Test Workplan, TP Industrial, Inc.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 12/31/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 03/15/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Historical Post Closure Permit Authority
Completed Date: 06/10/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 01/04/2010
Comments: signed copy returned to facility

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL, INC (Continued)

U001563139

Completed Date: 01/08/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/17/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/01/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/11/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/03/2016
Comments: Done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/31/2017
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/28/2017
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/18/2017
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedy Selection and Statement of Basis
Future Due Date: 2019
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Community Profile
Future Due Date: 2019
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: CEQA - Notice of Exemption
Schedule Due Date: 06/04/2019

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL, INC (Continued)

U001563139

Schedule Revised Date: Not reported

CPS-SLIC:

Region: STATE
Facility Status: **Open - Inactive**
Status Date: 01/30/2015
Global Id: SLT4306159
Lead Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Lead Agency Case Number: 80001731
Latitude: 33.88647
Longitude: -118.26661
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 0103
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HIST UST:

File Number: 000266A7
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000266A7.pdf>
Region: STATE
Facility ID: 00000021058
Facility Type: Other
Other Type: DISTRB. SOLVENTS
Contact Name: JOE NEVES
Telephone: 2135320730
Owner Name: BARON-BLAKESLEE, INC.
Owner Address: 525 E. ALONDRA BLVD.
Owner City,St,Zip: GARDENA, CA 90248
Total Tanks: 0004

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00005000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Groundwater Monitoring Well

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00007500
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Groundwater Monitoring Well

Tank Num: 003
Container Num: 3

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL, INC (Continued)

U001563139

Year Installed: Not reported
Tank Capacity: 00005000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Groundwater Monitoring Well

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00000150
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Groundwater Monitoring Well

[Click here for Geo Tracker PDF:](#)

DEED:

Envirostor ID: CAD097465132
Area: Not reported
Sub Area: Not reported
Site Type: POST CLOSURE PERMIT
Status: POST CLOSURE PERMIT
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 03/25/1987
File Name: Envirostor Land Use Restrictions

EMI:

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 51619
Air District Name: SC
SIC Code: 0
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 51619
Air District Name: SC
SIC Code: 2869
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL, INC (Continued)

U001563139

Total Organic Hydrocarbon Gases Tons/Yr: 3
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1997
County Code: 19
Air Basin: SC
Facility ID: 51619
Air District Name: SC
SIC Code: 2869
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1998
County Code: 19
Air Basin: SC
Facility ID: 51619
Air District Name: SC
SIC Code: 2869
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1999
County Code: 19
Air Basin: SC
Facility ID: 51619
Air District Name: SC
SIC Code: 2869
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL, INC (Continued)

U001563139

Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2000
County Code: 19
Air Basin: SC
Facility ID: 51619
Air District Name: SC
SIC Code: 2869
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2001
County Code: 19
Air Basin: SC
Facility ID: 51619
Air District Name: SC
SIC Code: 2869
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

CA Financial Assurance 1:

EPA ID Number: CAD097465132
Sudden Amount1: \$2,000,000.00
Non Sudden Amount1: \$6,000,000.00
Closure Mechanism: Not reported
Closure Amount: Not reported
Post Closure Mechanism: Ins
Post Closure Amount: \$4,700,000.00
Corrective Action Mechanism: Not reported
Corrective Action Amount: Not reported
Sudden Mechanism Type: Ins
Sudden Mechanism Amount: \$1,000,000.00
Non Sudden Mechanism Type: Ins
Non Sudden Mechanism Amount: \$3,000,000.00
O and M Mechanism Type: Not reported
O and M Amount: Not reported
Closure Mechanism Date of Mechanism: Not reported
Closure Mechanism Renewal Date: Not reported
Closure Mechanism Provider: Not reported
Postclosure Mechanism Date of Mechanism: Not reported
Postclosure Mechanism Renewal Date: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

TP INDUSTRIAL, INC (Continued)

U001563139

Postclosure Mechanism Provider:	Chartis Specialty Insurance Co.
O and M Mechanism Date of Mechanism:	Not reported
O and M Mechanism Renewal Date:	Not reported
O and M Mechanism Provider:	Not reported
Corrective Action Mechanism Date of Mechanism:	Not reported
Corrective Action Mechanism Renewal Date:	Not reported
Corrective Action Mechanism Provider:	Not reported
Sudden Mechanism Date of Mechanism:	Not reported
Sudden Mechanism Renewal Date:	Not reported
Sudden Mechanism Provider:	AISLIC
Non-Sudden Mechanism Date of Mechanism:	Not reported
Non-Sudden Mechanism Renewal Date:	Not reported
Non-Sudden Mechanism Provider:	AISLIC
Date Entered into EnviroStor:	2014-03-10 00:00:00
Authorization Type:	Permit
Comments:	Not reported

WDR:

Global ID:	WDR100039782
Status:	ACTIVE - WDR

CIWQS:

Agency:	TP Industrial, Inc. c/o Law Offices of Jeffrey M. Smith
Agency Address:	16221 Ne 116th Street, Liberty, MO 64068
Place/Project Type:	Service/Commercial Site, NEC
SIC/NAICS:	Not reported
Region:	4
Program:	WDRNONMUNIPRCS
Regulatory Measure Status:	Active
Regulatory Measure Type:	Enrollee - WDR
Order Number:	R4-2014-0187
WDID:	4B198601106
NPDES Number:	Not reported
Adoption Date:	Not reported
Effective Date:	06/15/2018
Termination Date:	Not reported
Expiration/Review Date:	09/11/2024
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	A
TTWQ:	3
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.88649
Longitude:	-118.26666

AJ150
ENE
1/2-1
0.732 mi.
3864 ft.

TP INDUSTRIAL INC
525 E. ALONDRA BLVD
GARDENA, CA 90248
Site 2 of 2 in cluster AJ

CORRACTS 1000256005
RCRA-TSDF CAD097465132
RCRA-LQG
US FIN ASSUR
LOS ANGELES CO. HMS
HWP

Relative:
Higher

CORRACTS:	
EPA ID:	CAD097465132
EPA Region:	9
Area Name:	ENTIRE FACILITY

Actual:
57 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Actual Date: 20171012
Action: CA180 - RFI Supplemental Implementation Begun
NAICS Code(s): 56291
Remediation Services
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD097465132
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20170718
Action: CA200 - RFI Approved
NAICS Code(s): 56291
Remediation Services
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD097465132
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20161201
Action: CA190 - RFI Report Received
NAICS Code(s): 56291
Remediation Services
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD097465132
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20140623
Action: CA200 - RFI Approved
NAICS Code(s): 56291
Remediation Services
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD097465132
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20140623
Action: CA300 - CMS Workplan Approved
NAICS Code(s): 56291
Remediation Services
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD097465132
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20140421
Action: CA260 - CMS Workplan Received
NAICS Code(s): 56291
Remediation Services
Original schedule date: Not reported
Schedule end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

EPA ID: CAD097465132
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20140408
Action: CA190 - RFI Report Received
NAICS Code(s): 56291
Remediation Services
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD097465132
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20130530
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 56291
Remediation Services
Original schedule date: 20130630
Schedule end date: 20130630

EPA ID: CAD097465132
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20120401
Action: CA180 - RFI Supplemental Implementation Begun
NAICS Code(s): 56291
Remediation Services
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD097465132
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20101228
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 56291
Remediation Services
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD097465132
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20101014
Action: CA140 - RFI Workplan Notice Of Deficiency Issued
NAICS Code(s): 56291
Remediation Services
Original schedule date: 20101009
Schedule end date: 20101020

EPA ID: CAD097465132
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20101014
Action: CA120 - RFI Workplan Modification Requested By Agency
NAICS Code(s): 56291
Remediation Services

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Original schedule date: 20101009
Schedule end date: 20101020

EPA ID: CAD097465132
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20100817
Action: CA120 - RFI Workplan Modification Requested By Agency
NAICS Code(s): 56291
Remediation Services

Original schedule date: 20100709
Schedule end date: 20100818

EPA ID: CAD097465132
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20100817
Action: CA140 - RFI Workplan Notice Of Deficiency Issued
NAICS Code(s): 56291
Remediation Services

Original schedule date: 20100709
Schedule end date: 20100818

EPA ID: CAD097465132
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20100810
Action: CA110 - RFI Workplan Received
NAICS Code(s): 56291
Remediation Services

Original schedule date: 20100808
Schedule end date: 20100901

EPA ID: CAD097465132
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20100609
Action: CA110 - RFI Workplan Received
NAICS Code(s): 56291
Remediation Services

Original schedule date: 20100131
Schedule end date: 20100816

EPA ID: CAD097465132
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20090512
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment
NAICS Code(s): 56291
Remediation Services

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD097465132
EPA Region: 9
Area Name: ENTIRE FACILITY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Actual Date: 20070629
Action: CA225 - Stabilization Measures Evaluation
NAICS Code(s): 56291
Remediation Services
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD097465132
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20060630
Action: CA200 - RFI Approved
NAICS Code(s): 56291
Remediation Services
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD097465132
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20040610
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 56291
Remediation Services
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD097465132
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19930315
Action: CA225YE - Stabilization Measures Evaluation, This facility ,is amenable to stabilization activity based on the, status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations
NAICS Code(s): 56291
Remediation Services
Original schedule date: 19930315
Schedule end date: Not reported

EPA ID: CAD097465132
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19930315
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s): 56291
Remediation Services
Original schedule date: 19930315
Schedule end date: Not reported

EPA ID: CAD097465132
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19901231
Action: CA999 - Corrective Action Process Terminated
NAICS Code(s): 56291

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Remediation Services
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD097465132
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19901231
Action: CA050RF - RFA Completed, Assessment was an RFA
NAICS Code(s): 56291
Remediation Services
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-TSDF:

Date form received by agency: 06/14/2010
Facility name: TP INDUSTRIAL INC
Facility address: 525 E. ALONDRA BLVD
GARDENA, CA 90248
EPA ID: CAD097465132
Mailing address: N. 300W
KEHI, UT 84043
Contact: JEFFREY M SMITH
Contact address: N. 300W
KEHI, UT 84043
Contact country: US
Contact telephone: 718-510-6003
Contact email: JEFFREYSMITH@GMAIL.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: GUY GRANT
Owner/operator address: E. ALONDRA BLVD
GARDENA, CA 90248
Owner/operator country: Not reported
Owner/operator telephone: 310-856-0120
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2004
Owner/Op end date: Not reported

Owner/operator name: TP INDUSTRIAL, INC
Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1986
Owner/Op end date: Not reported

Owner/operator name: TP INDUSTRIAL INC
Owner/operator address: Not reported
Not reported

Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/29/2000
Owner/Op end date: Not reported

Owner/operator name: JEFFREY M SMITH
Owner/operator address: 5757 WILSHIRE BLVD STE 600
LOS ANGELES, CA 90036

Owner/operator country: Not reported
Owner/operator telephone: 323-954-1106
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: BARON-BLAKSLEE DIVISION PUREX CORP
Owner/operator address: 2001 N JANICE
CITY NOT REPORTED, IL 99999

Owner/operator country: Not reported
Owner/operator telephone: 312-450-3900
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Owner/operator name: TP INDUSTRIAL
Owner/operator address: 19782 MACARTHUR BLVD STE 260
IRVINE, CA 92612
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 07/29/2000
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING:
TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE,
1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED
FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING
CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF
ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED
IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE
SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Historical Generators:

Date form received by agency: 01/12/2004
Site name: TP INDUSTRIAL INC
Classification: Small Quantity Generator

. Waste code: D029
. Waste name: 1,1-DICHLOROETHYLENE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING:
TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE,
1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED
FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING
CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF
ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED
IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/02/2001

Site name: TP INDUSTRIAL INC
Classification: Small Quantity Generator

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING:
TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE,
1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED
FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING
CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF
ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED
IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE
SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 10/12/1993

Site name: TP INDUSTRIAL INC
Classification: Not a generator, verified

Corrective Action Summary:

Event date: 12/31/1990
Event: RFA COMPLETED-ASSESSMENT WAS A RFA

Event date: 12/31/1990
Event: CA PROCESS IS TERMINATED

Event date: 03/15/1993
Event: CA PRIORITIZATION-MEDIUM CA PRIORITY

Event date: 03/15/1993
Event: STABILIZATION MEASURES EVALUATION-FACILITY IS AMENABLE TO
STABILIZATION

Event date: 06/10/2004
Event: INVESTIGATION WORKPLAN APPROVED

Event date: 06/30/2006
Event: INVESTIGATION COMPLETE

Event date: 06/29/2007
Event: STABILIZATION MEASURES EVALUATION

Event date: 05/12/2009
Event: STABILIZATION/INTERIM MEASURES DECISION-PRIMARY MEAS IS SOURCE REMOVL
&/OR TRT

Event date: 06/09/2010
Event: INVESTIGATION WORKPLAN RECEIVED

Event date: 08/10/2010
Event: INVESTIGATION WORKPLAN RECEIVED

Event date: 08/17/2010
Event: INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED

Event date: 08/17/2010

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Event:	INVESTIGATION WORKPLAN MODIFICATION REQ BY AGENCY
Event date:	10/14/2010
Event:	INVESTIGATION WORKPLAN MODIFICATION REQ BY AGENCY
Event date:	10/14/2010
Event:	INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED
Event date:	12/28/2010
Event:	INVESTIGATION WORKPLAN APPROVED
Event date:	04/01/2012
Event:	INVESTIGATION IMPLEMENTATION BEGUN
Event date:	05/30/2013
Event:	INVESTIGATION WORKPLAN APPROVED
Event date:	04/08/2014
Event:	INVESTIGATION REPORT RECEIVED
Event date:	04/21/2014
Event:	CMS WORKPLAN RECEIVED
Event date:	06/23/2014
Event:	INVESTIGATION COMPLETE
Event date:	06/23/2014
Event:	CMS WORKPLAN APPROVED
Event date:	12/01/2016
Event:	INVESTIGATION REPORT RECEIVED
Event date:	07/18/2017
Event:	INVESTIGATION COMPLETE
Event date:	10/12/2017
Event:	INVESTIGATION IMPLEMENTATION BEGUN
Event date:	Not reported
Event:	INVESTIGATION WORKPLAN APPROVED

Facility Has Received Notices of Violations:

Regulation violated:	Not reported
Area of violation:	TSD - General Facility Standards
Date violation determined:	06/29/2004
Date achieved compliance:	11/17/2005
Violation lead agency:	State
Enforcement action:	SINGLE SITE CA/FO
Enforcement action date:	11/17/2005
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	9120
Paid penalty amount:	Not reported

Regulation violated: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Area of violation: TSD - General Facility Standards
Date violation determined: 06/29/2004
Date achieved compliance: 11/17/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/27/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 06/25/2003
Date achieved compliance: 11/17/2005
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 11/17/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 9120
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 06/25/2003
Date achieved compliance: 11/17/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/24/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 06/25/2003
Date achieved compliance: 11/17/2005
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 11/17/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 9120
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Date violation determined: 06/25/2003
Date achieved compliance: 11/17/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/24/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/25/2003
Date achieved compliance: 10/23/2003
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/24/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/25/2003
Date achieved compliance: 10/23/2003
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 11/17/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 9120
Paid penalty amount: Not reported

Regulation violated: F - 264.90-94.F
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 05/09/1999
Date achieved compliance: 01/01/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/09/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 03/30/1995

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Date achieved compliance: 05/01/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/30/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 06/29/1994
Date achieved compliance: 07/05/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/29/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 04/27/1993
Date achieved compliance: 03/21/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/21/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 10/05/1992
Date achieved compliance: 03/21/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/05/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 04/13/1992
Date achieved compliance: 04/03/1995

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/13/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 04/13/1992
Date achieved compliance: 04/03/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/13/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 04/13/1992
Date achieved compliance: 07/14/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/13/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.20-23.B
Area of violation: Generators - General
Date violation determined: 04/13/1992
Date achieved compliance: 04/03/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/13/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 04/13/1992
Date achieved compliance: 04/03/1995
Violation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/13/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 02/20/1992
Date achieved compliance: 01/01/1993
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/05/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 11/21/1991
Date achieved compliance: 03/21/1994
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/05/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 09/18/1986
Date achieved compliance: 01/01/1987
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 08/23/2017
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Evaluation date: 06/26/2017
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/13/2014
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/18/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/18/2012
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/29/2012
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/21/2008
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/13/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/19/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/14/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/18/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/21/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/17/2005
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/29/2004
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - General Facility Standards
Date achieved compliance: 11/17/2005
Evaluation lead agency: State

Evaluation date: 06/25/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 11/17/2005
Evaluation lead agency: State

Evaluation date: 06/25/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/23/2003
Evaluation lead agency: State

Evaluation date: 06/25/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 11/17/2005
Evaluation lead agency: State

Evaluation date: 06/25/2003
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/13/2002
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/14/2001
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Evaluation date: 12/27/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/26/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/27/1998
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 01/01/2000
Evaluation lead agency: State

Evaluation date: 06/30/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/23/1996
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/30/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 05/01/1995
Evaluation lead agency: State

Evaluation date: 06/24/1994
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 07/05/1994
Evaluation lead agency: State

Evaluation date: 05/11/1993
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 03/21/1994
Evaluation lead agency: State

Evaluation date: 10/05/1992
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 03/21/1994
Evaluation lead agency: State

Evaluation date: 02/20/1992
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Date achieved compliance: 01/01/1993
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 01/30/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 04/03/1995
Evaluation lead agency: State

Evaluation date: 01/30/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/03/1995
Evaluation lead agency: State

Evaluation date: 01/30/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 04/03/1995
Evaluation lead agency: State

Evaluation date: 01/30/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/14/1993
Evaluation lead agency: State

Evaluation date: 11/21/1991
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 03/21/1994
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 09/18/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/01/1987
Evaluation lead agency: State

Evaluation date: 08/07/1985
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/08/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/08/1985
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Evaluation date: 04/08/1985
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/25/1985
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

RCRA-LQG:

Date form received by agency: 06/14/2010
Facility name: TP INDUSTRIAL INC
Facility address: 525 E. ALONDRA BLVD
GARDENA, CA 90248
EPA ID: CAD097465132
Mailing address: N. 300W
KEHI, UT 84043
Contact: JEFFREY M SMITH
Contact address: N. 300W
KEHI, UT 84043
Contact country: US
Contact telephone: 718-510-6003
Contact email: JEFFREYSMITH@GMAIL.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: GUY GRANT
Owner/operator address: E. ALONDRA BLVD
GARDENA, CA 90248
Owner/operator country: Not reported
Owner/operator telephone: 310-856-0120
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2004

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Owner/Op end date: Not reported

Owner/operator name: TP INDUSTRIAL, INC
Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1986
Owner/Op end date: Not reported

Owner/operator name: TP INDUSTRIAL INC
Owner/operator address: Not reported
Not reported

Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/29/2000
Owner/Op end date: Not reported

Owner/operator name: JEFFREY M SMITH
Owner/operator address: 5757 WILSHIRE BLVD STE 600
LOS ANGELES, CA 90036

Owner/operator country: Not reported
Owner/operator telephone: 323-954-1106
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: BARON-BLAKSLEE DIVISION PUREX CORP
Owner/operator address: 2001 N JANICE
CITY NOT REPORTED, IL 99999

Owner/operator country: Not reported
Owner/operator telephone: 312-450-3900
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: TP INDUSTRIAL
Owner/operator address: 19782 MACARTHUR BLVD STE 260
IRVINE, CA 92612

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 07/29/2000
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Historical Generators:

Date form received by agency: 01/12/2004
Site name: TP INDUSTRIAL INC
Classification: Small Quantity Generator

. Waste code: D029
. Waste name: 1,1-DICHLOROETHYLENE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/02/2001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Site name: TP INDUSTRIAL INC
Classification: Small Quantity Generator

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 10/12/1993
Site name: TP INDUSTRIAL INC
Classification: Not a generator, verified

Corrective Action Summary:

Event date: 12/31/1990
Event: RFA COMPLETED-ASSESSMENT WAS A RFA

Event date: 12/31/1990
Event: CA PROCESS IS TERMINATED

Event date: 03/15/1993
Event: CA PRIORITIZATION-MEDIUM CA PRIORITY

Event date: 03/15/1993
Event: STABILIZATION MEASURES EVALUATION-FACILITY IS AMENABLE TO STABILIZATION

Event date: 06/10/2004
Event: INVESTIGATION WORKPLAN APPROVED

Event date: 06/30/2006
Event: INVESTIGATION COMPLETE

Event date: 06/29/2007
Event: STABILIZATION MEASURES EVALUATION

Event date: 05/12/2009
Event: STABILIZATION/INTERIM MEASURES DECISION-PRIMARY MEAS IS SOURCE REMOVL &/OR TRT

Event date: 06/09/2010
Event: INVESTIGATION WORKPLAN RECEIVED

Event date: 08/10/2010
Event: INVESTIGATION WORKPLAN RECEIVED

Event date: 08/17/2010
Event: INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED

Event date: 08/17/2010
Event: INVESTIGATION WORKPLAN MODIFICATION REQ BY AGENCY

Event date: 10/14/2010

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Event:	INVESTIGATION WORKPLAN MODIFICATION REQ BY AGENCY
Event date:	10/14/2010
Event:	INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED
Event date:	12/28/2010
Event:	INVESTIGATION WORKPLAN APPROVED
Event date:	04/01/2012
Event:	INVESTIGATION IMPLEMENTATION BEGUN
Event date:	05/30/2013
Event:	INVESTIGATION WORKPLAN APPROVED
Event date:	04/08/2014
Event:	INVESTIGATION REPORT RECEIVED
Event date:	04/21/2014
Event:	CMS WORKPLAN RECEIVED
Event date:	06/23/2014
Event:	INVESTIGATION COMPLETE
Event date:	06/23/2014
Event:	CMS WORKPLAN APPROVED
Event date:	12/01/2016
Event:	INVESTIGATION REPORT RECEIVED
Event date:	07/18/2017
Event:	INVESTIGATION COMPLETE
Event date:	10/12/2017
Event:	INVESTIGATION IMPLEMENTATION BEGUN
Event date:	Not reported
Event:	INVESTIGATION WORKPLAN APPROVED

Facility Has Received Notices of Violations:

Regulation violated:	Not reported
Area of violation:	TSD - General Facility Standards
Date violation determined:	06/29/2004
Date achieved compliance:	11/17/2005
Violation lead agency:	State
Enforcement action:	SINGLE SITE CA/FO
Enforcement action date:	11/17/2005
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	9120
Paid penalty amount:	Not reported

Regulation violated:	Not reported
Area of violation:	TSD - General Facility Standards
Date violation determined:	06/29/2004
Date achieved compliance:	11/17/2005

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/27/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 06/25/2003
Date achieved compliance: 11/17/2005
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 11/17/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 9120
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 06/25/2003
Date achieved compliance: 11/17/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/24/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 06/25/2003
Date achieved compliance: 11/17/2005
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 11/17/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 9120
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 06/25/2003
Date achieved compliance: 11/17/2005
Violation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/24/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/25/2003
Date achieved compliance: 10/23/2003
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/24/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/25/2003
Date achieved compliance: 10/23/2003
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 11/17/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 9120
Paid penalty amount: Not reported

Regulation violated: F - 264.90-94.F
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 05/09/1999
Date achieved compliance: 01/01/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/09/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 03/30/1995
Date achieved compliance: 05/01/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Enforcement action date: 03/30/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 06/29/1994
Date achieved compliance: 07/05/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/29/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 04/27/1993
Date achieved compliance: 03/21/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/21/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 10/05/1992
Date achieved compliance: 03/21/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/05/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 04/13/1992
Date achieved compliance: 04/03/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/13/1992

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 04/13/1992
Date achieved compliance: 04/03/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/13/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 04/13/1992
Date achieved compliance: 07/14/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/13/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.20-23.B
Area of violation: Generators - General
Date violation determined: 04/13/1992
Date achieved compliance: 04/03/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/13/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 04/13/1992
Date achieved compliance: 04/03/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/13/1992
Enf. disposition status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 02/20/1992
Date achieved compliance: 01/01/1993
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/05/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 11/21/1991
Date achieved compliance: 03/21/1994
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/05/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 09/18/1986
Date achieved compliance: 01/01/1987
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 08/23/2017
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/26/2017
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/13/2014
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/18/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/18/2012
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/29/2012
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/21/2008
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/13/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/19/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/14/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/18/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Evaluation date: 03/21/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/17/2005
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/29/2004
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - General Facility Standards
Date achieved compliance: 11/17/2005
Evaluation lead agency: State

Evaluation date: 06/25/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 11/17/2005
Evaluation lead agency: State

Evaluation date: 06/25/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/23/2003
Evaluation lead agency: State

Evaluation date: 06/25/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 11/17/2005
Evaluation lead agency: State

Evaluation date: 06/25/2003
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/13/2002
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/14/2001
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/27/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/26/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/27/1998
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 01/01/2000
Evaluation lead agency: State

Evaluation date: 06/30/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/23/1996
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/30/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 05/01/1995
Evaluation lead agency: State

Evaluation date: 06/24/1994
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 07/05/1994
Evaluation lead agency: State

Evaluation date: 05/11/1993
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 03/21/1994
Evaluation lead agency: State

Evaluation date: 10/05/1992
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 03/21/1994
Evaluation lead agency: State

Evaluation date: 02/20/1992
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 01/01/1993
Evaluation lead agency: EPA Contractor/Grantee

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Evaluation date: 01/30/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 04/03/1995
Evaluation lead agency: State

Evaluation date: 01/30/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/03/1995
Evaluation lead agency: State

Evaluation date: 01/30/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 04/03/1995
Evaluation lead agency: State

Evaluation date: 01/30/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/14/1993
Evaluation lead agency: State

Evaluation date: 11/21/1991
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 03/21/1994
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 09/18/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/01/1987
Evaluation lead agency: State

Evaluation date: 08/07/1985
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/08/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/08/1985
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/08/1985
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/25/1985
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

US FIN ASSUR:

EPA ID: CAD097465132
County: Not reported
Mechanism type: I
Mechanism Type Description: INSURANCE
Cost estimate: 5000000
Face value: 4700000
Effective date: 1997-01-01 00:00:00
Provider: AISLIC
EPA region: 9

EPA ID: CAD097465132
County: Not reported
Mechanism type: I
Mechanism Type Description: INSURANCE
Cost estimate: 2573944
Face value: 4700000
Effective date: 1997-06-30 00:00:00
Provider: CHARITIS SPECILAITY INS
EPA region: 9

EPA ID: CAD097465132
County: Not reported
Mechanism type: I
Mechanism Type Description: INSURANCE
Cost estimate: 6000000
Face value: 8000000
Effective date: 1997-06-30 00:00:00
Provider: AISLIC
EPA region: 9

EPA ID: CAD097465132
County: Not reported
Mechanism type: I
Mechanism Type Description: INSURANCE
Cost estimate: 6000000
Face value: 6000000
Effective date: 1997-01-01 00:00:00
Provider: AISLIC
EPA region: 9

EPA ID: CAD097465132
County: Not reported
Mechanism type: I
Mechanism Type Description: INSURANCE
Cost estimate: 8000000
Face value: 8000000
Effective date: 1997-01-01 00:00:00
Provider: AISLIC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

EPA region: 9

EPA ID: CAD097465132
County: Not reported
Mechanism type: I
Mechanism Type Description: INSURANCE
Cost estimate: 2000000
Face value: 2000000
Effective date: 1997-01-01 00:00:00
Provider: AISLIC
EPA region: 9

EPA ID: CAD097465132
County: Not reported
Mechanism type: I
Mechanism Type Description: INSURANCE
Cost estimate: 2000000
Face value: 8000000
Effective date: 1997-06-30 00:00:00
Provider: AISLIC
EPA region: 9

LOS ANGELES CO. HMS:

Region: LA
Permit Category: Not reported
Facility Id: 003904-044052
Facility Type: Not reported
Facility Status: OPEN
Area: 29
Permit Number: Not reported
Permit Status: Not reported

Region: LA
Permit Category: S
Facility Id: 003904-045291
Facility Type: S5
Facility Status: Permit
Area: 29
Permit Number: 000529182
Permit Status: Permit

Region: LA
Permit Category: I
Facility Id: 003904-I04043
Facility Type: 01
Facility Status: Permit
Area: 29
Permit Number: 000011127
Permit Status: Permit

Region: LA
Permit Category: I
Facility Id: 003904-I04043
Facility Type: 01
Facility Status: Permit
Area: 29
Permit Number: 000427857

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Permit Status: Closed

HWP:

EPA Id: CAD097465132
Cleanup Status: POST CLOSURE PERMIT
Latitude: 33.88636
Longitude: -118.2663
Facility Type: Post-Closure Permitted
Facility Size: Medium Postclosure
Team: PHILLIP BLUM
Supervisor: RAMESHWOR KAPHLE
Site Code: 300242
Assembly District: 64
Senate District: 35
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Unit Names: HWMU 10, HWMU s1, 2 & 3
Event Description: PC Renewal PC - With Changes - FINAL POST-CLOSURE PERMIT
Actual Date: 10/07/2010

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Unit Names: HWMU 10, HWMU s1, 2 & 3
Event Description: PC Renewal PC - With Changes - CEQA DETERMINATION
Actual Date: 10/07/2010

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Unit Names: HWMU 10, HWMU s1, 2 & 3
Event Description: PC Renewal PC - With Changes - FINAL PART A & PART B RECEIVED
Actual Date: 04/09/2010

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Unit Names: HWMU 10, HWMU s1, 2 & 3
Event Description: PC Renewal PC - With Changes - 3RD NOTICE OF DEFICIENCY ISSUED
Actual Date: 02/03/2009

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Unit Names: HWMU 10, HWMU s1, 2 & 3
Event Description: PC Renewal PC - With Changes - FINAL POST-CLOSURE PERMIT (EXPIRES)
Actual Date: 11/10/2020

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Unit Names: HWMU 10, HWMU s1, 2 & 3
Event Description: PC Renewal PC - With Changes - PUBLIC COMMENT (BEGIN)
Actual Date: 04/16/2010

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Unit Names: HWMU 10, HWMU s1, 2 & 3

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Event Description: PC Renewal PC - With Changes - FINAL POST-CLOSURE PERMIT (EFFECTIVE)
Actual Date: 11/11/2010

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Unit Names: HWMU 10, HWMU s1, 2 & 3
Event Description: PC Renewal PC - With Changes - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date: 08/02/2007

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Unit Names: HWMU 10, HWMU s1, 2 & 3
Event Description: PC Renewal PC - With Changes - PUBLIC COMMENT (END)
Actual Date: 06/02/2010

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Unit Names: HWMU 10, HWMU s1, 2 & 3
Event Description: PC Renewal PC - With Changes - APPLICATION PART B RECEIVED
Actual Date: 02/04/2004

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Unit Names: HWMU 10, HWMU s1, 2 & 3
Event Description: PC Renewal PC - With Changes - TECHNICAL COMPLETE LETTER
Actual Date: 04/09/2010

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Unit Names: HWMU 10, HWMU s1, 2 & 3
Event Description: PC Renewal PC - With Changes - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 07/10/2006

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Unit Names: CONTAIN1, OTHRTRT1, OTHRTRT2, OTHRTRT3, TANKSTR1-Flow Equalization Tank, TANKSTR2-Holding Tank, TANKSTR3-Separation Tank
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 11/06/1991

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Unit Names: HWMU 10, HWMU s1, 2 & 3
Event Description: PC Renewal PC - With Changes - DRAFT POST-CLOSURE PERMIT
Actual Date: 04/16/2010

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Unit Names: CONTAIN1, OTHRTRT1, OTHRTRT2, OTHRTRT3, TANKSTR1-Flow Equalization Tank, TANKSTR2-Holding Tank, TANKSTR3-Separation Tank
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 02/02/1983

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Unit Names: CONTAIN1, OTHRTRT1, OTHRTRT2, OTHRTRT3, TANKSTR1-Flow Equalization Tank, TANKSTR2-Holding Tank, TANKSTR3-Separation Tank

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/19/1980

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Unit Names: CONTAIN1, OTHRTRT1, OTHRTRT2, OTHRTRT3, TANKSTR1-Flow Equalization Tank, TANKSTR2-Holding Tank, TANKSTR3-Separation Tank

Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 04/01/1983

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Unit Names: HWMU 10, HWMU s1, 2 & 3
Event Description: PC Renewal PC - With Changes - DISCLOSURE (CLEARED)
Actual Date: 10/03/2008

Closure:

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Unit Names: HWMU 11, HWMU 4, HWMU 5, HWMUs 6, 7, 8 & 9
Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: 11/07/2008

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Unit Names: CONTAIN1, HWMU 10, HWMU 11, HWMU 4, HWMU 5, HWMU s1, 2 & 3, HWMUs 6, 7, 8 & 9, OTHRTRT1, OTHRTRT2, OTHRTRT3, TANKSTR1-Flow Equalization Tank, TANKSTR2-Holding Tank, TANKSTR3-Separation Tank
Event Description: New Post-Closure Permit - FINAL POST-CLOSURE PERMIT
Actual Date: 06/30/1994

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Unit Names: CONTAIN1, HWMU 10, HWMU 11, HWMU 4, HWMU 5, HWMU s1, 2 & 3, HWMUs 6, 7, 8 & 9, OTHRTRT1, OTHRTRT2, OTHRTRT3, TANKSTR1-Flow Equalization Tank, TANKSTR2-Holding Tank, TANKSTR3-Separation Tank
Event Description: New Post-Closure Permit - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 06/11/1992

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Unit Names: CONTAIN1, HWMU 10, HWMU 11, HWMU 4, HWMU 5, HWMU s1, 2 & 3, HWMUs 6, 7, 8 & 9, OTHRTRT1, OTHRTRT2, OTHRTRT3, TANKSTR1-Flow Equalization Tank, TANKSTR2-Holding Tank, TANKSTR3-Separation Tank
Event Description: New Post-Closure Permit - FINAL PART A & PART B RECEIVED
Actual Date: 03/01/1994

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Unit Names: CONTAIN1, HWMU 10, HWMU 11, HWMU 4, HWMU 5, HWMU s1, 2 & 3, HWMUs 6, 7, 8 & 9, OTHRTRT1, OTHRTRT2, OTHRTRT3, TANKSTR1-Flow Equalization Tank, TANKSTR2-Holding Tank, TANKSTR3-Separation Tank
Event Description: New Post-Closure Permit - PUBLIC COMMENT (END)
Actual Date: 06/10/1994

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Unit Names: CONTAIN1, HWMU 10, HWMU 11, HWMU 4, HWMU 5, HWMU s1, 2 & 3, HWMUs 6, 7, 8 & 9, OTHRTRT1, OTHRTRT2, OTHRTRT3, TANKSTR1-Flow Equalization Tank, TANKSTR2-Holding Tank, TANKSTR3-Separation Tank

Event Description: New Post-Closure Permit - DRAFT POST-CLOSURE PERMIT
Actual Date: 04/26/1994

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Unit Names: CONTAIN1, HWMU 10, HWMU 11, HWMU 4, HWMU 5, HWMU s1, 2 & 3, HWMUs 6, 7, 8 & 9, OTHRTRT1, OTHRTRT2, OTHRTRT3, TANKSTR1-Flow Equalization Tank, TANKSTR2-Holding Tank, TANKSTR3-Separation Tank

Event Description: New Post-Closure Permit - FINAL POST-CLOSURE PERMIT (EXPIRES)
Actual Date: 07/31/2004

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Unit Names: CONTAIN1, HWMU 10, HWMU 11, HWMU 4, HWMU 5, HWMU s1, 2 & 3, HWMUs 6, 7, 8 & 9, OTHRTRT1, OTHRTRT2, OTHRTRT3, TANKSTR1-Flow Equalization Tank, TANKSTR2-Holding Tank, TANKSTR3-Separation Tank

Event Description: New Post-Closure Permit - APPLICATION PART B RECEIVED
Actual Date: 12/01/1991

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Unit Names: CONTAIN1, HWMU 10, HWMU 11, HWMU 4, HWMU 5, HWMU s1, 2 & 3, HWMUs 6, 7, 8 & 9, OTHRTRT1, OTHRTRT2, OTHRTRT3, TANKSTR1-Flow Equalization Tank, TANKSTR2-Holding Tank, TANKSTR3-Separation Tank

Event Description: New Post-Closure Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 04/26/1994

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Unit Names: CONTAIN1, OTHRTRT1, OTHRTRT2, OTHRTRT3, TANKSTR1-Flow Equalization Tank, TANKSTR2-Holding Tank, TANKSTR3-Separation Tank

Event Description: Closure Administrative - ISSUE CLOSURE VERIFICATION
Actual Date: 01/06/2014

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Unit Names: CONTAIN1, OTHRTRT1, OTHRTRT2, OTHRTRT3, TANKSTR1-Flow Equalization Tank, TANKSTR2-Holding Tank, TANKSTR3-Separation Tank

Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: 02/16/1993

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Unit Names: CONTAIN1, HWMU 10, HWMU 11, HWMU 4, HWMU 5, HWMU s1, 2 & 3, HWMUs 6, 7, 8 & 9, OTHRTRT1, OTHRTRT2, OTHRTRT3, TANKSTR1-Flow Equalization Tank, TANKSTR2-Holding Tank, TANKSTR3-Separation Tank

Event Description: New Post-Closure Permit - FINAL POST-CLOSURE PERMIT (EFFECTIVE)
Actual Date: 08/03/1994

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Unit Names: CONTAIN1, OTHRTRT1, OTHRTRT2, OTHRTRT3, TANKSTR1-Flow Equalization Tank, TANKSTR2-Holding Tank, TANKSTR3-Separation Tank

Event Description: Closure - CLOSURE NOTICE RECEIVED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TP INDUSTRIAL INC (Continued)

1000256005

Actual Date: 11/06/1991

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Unit Names: CONTAIN1, HWMU 10, HWMU 11, HWMU 4, HWMU 5, HWMU s1, 2 & 3, HWMUs 6, 7, 8 & 9, OTHRTRT1, OTHRTRT2, OTHRTRT3, TANKSTR1-Flow Equalization Tank, TANKSTR2-Holding Tank, TANKSTR3-Separation Tank

Event Description: New Post-Closure Permit - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date: 06/24/1992

Alias:

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Alias Type: Project Code (Site Code)
Alias: 300242

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Alias Type: APN
Alias: 6125012015

EPA Id: CAD097465132
Facility Type: Post-Closure Permitted
Alias Type: APN
Alias: 6125012016

Maintenance:

EPA Id: CAD097465132
Title: Annual Groundwater Monitoring Report 2013
Document Type: Monitoring Report - Groundwater
Received Date: 11/07/2014

EPA Id: CAD097465132
Title: Annual groundwater monitoring 2013
Document Type: Monitoring Workplan - Groundwater
Received Date: 12/23/2014

EPA Id: CAD097465132
Title: 2014 Annual Groundwater Report
Document Type: Monitoring Report - Groundwater
Received Date: 03/28/2015

EPA Id: CAD097465132
Title: Annual Groudwater Monitoring Report 2015
Document Type: Monitoring Report - Groundwater
Received Date: 11/15/2016

EPA Id: CAD097465132
Title: Deed restriction for the TP Industries AKA Purex industires, Inc. dated 3/25/1987.
Document Type: Deed Restriction / LUC Issued
Received Date: 03/25/1987

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AK151
East
1/2-1
0.759 mi.
4006 ft.

MOEN FOAM COMPANY
16627 AVALON BLVD
CARSON, CA 90746
Site 1 of 2 in cluster AK

RESPONSE
ENVIROSTOR
HIST CORTESE

S100929392
N/A

Relative:
Higher
Actual:
53 ft.

RESPONSE:
Facility ID: 19300002
Site Type: State Response
Site Type Detail: State Response or NPL
Acres: 0.8
National Priorities List: NO
Cleanup Oversight Agencies: NONE SPECIFIED
Lead Agency Description: Not reported
Project Manager: Not reported
Supervisor: Eileen Mananian
Division Branch: Cleanup Cypress
Site Code: 300256
Site Mgmt. Req.: NONE SPECIFIED
Assembly: 64
Senate: 35
Special Program Status: * CERC2
Status: Refer: EPA
Status Date: 03/22/1993
Restricted Use: NO
Funding: Responsible Party
Latitude: 33.88020
Longitude: -118.2658
APN: NONE SPECIFIED
Past Use: AEROSPACE MANUFACTURING/MAINTENANCE, MACHINE SHOP, MANUFACTURING - OTHER
Potential COC : Lead Trichloroethylene (TCE Copper and compounds Hydrochloric Acid (Hydrogen Chloride Mercury and compounds Nickel Nitric Acid Sulfuric Acid Zinc
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL, SV
Alias Name: VIRCO MANUFACTURING
Alias Type: Alternate Name
Alias Name: CAD982360463
Alias Type: EPA Identification Number
Alias Name: 110033610750
Alias Type: EPA (FRS #)
Alias Name: 300256
Alias Type: Project Code (Site Code)
Alias Name: 19300002
Alias Type: Envirostor ID Number
Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 08/26/1988
Comments: SITE SCREENING DONE E&E REVIEW OF DHS PA RECOMENDS MEDIUM PRIORITY SSI FOR EPA
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 04/22/1988
Comments: PRELIM ASSESS DONE SITE INVESTIGATION IS RECOMMENDED TO ASCERTAIN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOEN FOAM COMPANY (Continued)

S100929392

WHETER OR NOT ANY CONTAMINAT- ION EXISTS. THE SITE IS ALSO REFERED TO LACH FOR A GENERATOR INSPECTION.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 04/08/1987
Comments: SITE SCREENING DONE CERCLA GRANT SITE.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/22/1993
Comments: Site Inspection conducted by U.S. EPA concluded that the Site was designated as "No Further Remedial Action Planned under CERCLA

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/25/1991
Comments: Report received.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 12/18/1980
Comments: FACILITY IDENTIFIED LA CO. ENGINEER RECORDS. CO SANIT. IW DIVISION LA CO

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/18/1991
Comments: Letter sent to Facility.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:

Facility ID: 19300002
Status: Refer: EPA
Status Date: 03/22/1993
Site Code: 300256
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 0.8
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOEN FOAM COMPANY (Continued)

S100929392

Supervisor: Eileen Mananian
Division Branch: Cleanup Cypress
Assembly: 64
Senate: 35
Special Program: * CERC2
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.88020
Longitude: -118.2658
APN: NONE SPECIFIED
Past Use: AEROSPACE MANUFACTURING/MAINTENANCE, MACHINE SHOP, MANUFACTURING - OTHER

Potential COC: Lead Trichloroethylene (TCE Copper and compounds Hydrochloric Acid (Hydrogen Chloride Mercury and compounds Nickel Nitric Acid Sulfuric Acid Zinc

Confirmed COC: NONE SPECIFIED

Potential Description: SOIL, SV

Alias Name: VIRCO MANUFACTURING
Alias Type: Alternate Name
Alias Name: CAD982360463
Alias Type: EPA Identification Number
Alias Name: 110033610750
Alias Type: EPA (FRS #)
Alias Name: 300256
Alias Type: Project Code (Site Code)
Alias Name: 19300002
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 08/26/1988
Comments: SITE SCREENING DONE E&E REVIEW OF DHS PA RECOMENDS MEDIUM PRIORITY SSI FOR EPA

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 04/22/1988
Comments: PRELIM ASSESS DONE SITE INVESTIGATION IS RECOMMENDED TO ASCERTAIN WHETHER OR NOT ANY CONTAMINATION EXISTS. THE SITE IS ALSO REFERRED TO LACH FOR A GENERATOR INSPECTION.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 04/08/1987
Comments: SITE SCREENING DONE CERCLA GRANT SITE.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/22/1993
Comments: Site Inspection conducted by U.S. EPA concluded that the Site was designated as "No Further Remedial Action Planned under CERCLA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOEN FOAM COMPANY (Continued)

S100929392

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/25/1991
Comments: Report received.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 12/18/1980
Comments: FACILITY IDENTIFIED LA CO. ENGINEER RECORDS. CO SANIT. IW DIVISION LA CO

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/18/1991
Comments: Letter sent to Facility.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: CALSI
Reg Id: 19300002

AK152
East
1/2-1
0.759 mi.
4006 ft.

MOEN FOAM COMPANY
16627 AVALON BLVD
CARSON, CA 90746
Site 2 of 2 in cluster AK

HIST Cal-Sites **S105749942**
N/A

Relative:
Higher
Actual:
53 ft.

Calsite:
Region: CYPRESS
Facility ID: 19300002
Facility Type: RP
Type: RESPONSIBLE PARTY
Branch: SB
Branch Name: SO CAL - CYPRESS
File Name: Not reported
State Senate District: 10161991
Status: BACKLOG, POTENTIAL ANNUAL WORKPLAN (AWP) SITE
Status Name: BACKLOG - POTENTIAL AWP SITE
Lead Agency: N/A
NPL: Not reported
SIC Code: 30
SIC Name: MANU - RUBBER & MISC PLASTICS PRODUCTS
Access: Controlled

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOEN FOAM COMPANY (Continued)

S105749942

Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Not reported
Staff Member Responsible for Site: Not reported
Supervisor Responsible for Site: Not reported
Region Water Control Board: LA
Region Water Control Board Name: LOS ANGELES
Lat/Long Direction: Not reported
Lat/Long (dms): 0 0 0 / 0 0 0
Lat/long Method: Not reported
Lat/Long Description: BASE & MERID.
State Assembly District Code: 55
State Senate District Code: 28
Facility ID: 19300002
Activity: DISC
Activity Name: DISCOVERY
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 12181980
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: BKLG
Definition of Status: BACKLOG - POTENTIAL AWP SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19300002
Activity: SS
Activity Name: SITE SCREENING
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 04081987
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: BKLG
Definition of Status: BACKLOG - POTENTIAL AWP SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOEN FOAM COMPANY (Continued)

S105749942

Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19300002
Activity: SS
Activity Name: SITE SCREENING
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 08261988
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: BKLG
Definition of Status: BACKLOG - POTENTIAL AWP SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Alternate Address: 16627 SOUTH AVALON BOULEVARD
Alternate City,St,Zip: CARSON, CA 90745
Alternate Address: 16627 AVALON BLVD
Alternate City,St,Zip: CARSON, CA 90746
Background Info: Not reported
Comments Date: 08101981
Comments: RESPONSE FR CARSON INDUSTRIAL INVESTORS
Comments Date: 08261988
Comments: SITE SCREENING DONE E&E REVIEW OF DHS PA RECOMENDS MEDIUM
Comments Date: 08261988
Comments: PRIORITY SSI FOR EPA
Comments Date: 09221981
Comments: SAMPLE RESULTS LABORATORY REPORTS RECEIVED
Comments Date: 09241981
Comments: LETTER TO VIRCO MANUFACTURING
Comments Date: 12181980
Comments: FACILITY IDENTIFIED LA CO. ENGINEER RECORDS.
Comments Date: 12181980
Comments: CO SANIT. IW DIVISION LA CO
Comments Date: 12191980
Comments: ORICALERT
Comments Date: 01071980
Comments: FACILITY DRIVE-BY NO APPARENT DANGER
Comments Date: 01071988
Comments: RWQCB, L.A. REGION NO FILE FOUND
Comments Date: 01071988
Comments: LOS ANGELES HEALTH DEPT. NO FILE FOUND
Comments Date: 01071988

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOEN FOAM COMPANY (Continued)

S105749942

Comments: LOS ANGELES CO. FIRE DEPT., SITE HAS
Comments Date: 01071988
Comments: BEEN INSPECTED ANNUAL SINCE 1971, NO
Comments Date: 01071988
Comments: FIRES OR SPILLS
Comments Date: 01081988
Comments: FACILITY DRIVE-BY SOUTHWEST CARPET PAD IN REAR OF
Comments Date: 01081988
Comments: BULIDING
Comments Date: 01201981
Comments: LETTER TO STATE RADIOLOGICAL HEALTH
Comments Date: 02111982
Comments: PHONE F-U. VIRCO-NOT REMOVE U/G SUMPS
Comments Date: 02181981
Comments: STATE RADIOLOGICAL HLTH. NO PERMIT.
Comments Date: 02181981
Comments: NUCLEAR REGULATORY COMMISSION
Comments Date: 02251988
Comments: EXTENSIVE INSPECTION REPORTS ON FILE
Comments Date: 03221988
Comments: LOS ANGELES CO. FLOOD CONTROL DIST.,
Comments Date: 03221988
Comments: WELL INFORMATION.
Comments Date: 04081987
Comments: SITE SCREENING DONE CERCLA GRANT SITE.
Comments Date: 04121982
Comments: LA CO ENGR OFFICE: RECORD SEARCH
Comments Date: 04221988
Comments: PRELIM ASSESS DONE SITE INVESTIGATION IS RECOMMENDED TO
Comments Date: 04221988
Comments: ASCERTAIN WHETER OR NOT ANY CONTAMINAT-
Comments Date: 04221988
Comments: ION EXISTS.
Comments Date: 04221988
Comments: THE SITE IS ALSO REFERED TO LACH FOR
Comments Date: 04221988
Comments: A GENERATOR INSPECTION.
Comments Date: 04221991
Comments: HAZD. RANKING SCORE 13.07
Comments Date: 04221991
Comments: HRS PACKAGE COMPLETED 2-27-90.DEPARTMENT
Comments Date: 04221991
Comments: MAILED PKG TO RP 4-18-91 FOR REVIEW.
Comments Date: 05041981
Comments: AERIAL SURVEILLANCE ORDERED AERIAL PHOTOS
Comments Date: 05201981
Comments: INSPECTION(LOCAL) LA COUNTY HAZARDOUS MATERIALS
Comments Date: 05201981
Comments: INSPECTION(STATE) ASP & RADIOLOGICAL HLTH INSP. SAMPLED.
Comments Date: 05211982
Comments: FINAL STRATEGY SITE REFERRED: TO HMMS/ENF
Comments Date: 05311988
Comments: SUBMIT TO EPA RECOMMENDATION OF SI MED UNDER CERCLA2
Comments Date: 07081981
Comments: LETTER TO CARSON INDUSTRIAL INVESTORS
ID Name: CALSTARS CODE
ID Value: 300256

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOEN FOAM COMPANY (Continued)

S105749942

ID Name: EPA IDENTIFICATION NUMBER
ID Value: CAD982360463
Alternate Name: MOEN FOAM COMPANY
Alternate Name: VIRCO MANUFACTURING
Alternate Name: Not reported
Special Programs Code: CERC2
Special Programs Name: CERCLA II

153
NW
1/2-1
0.796 mi.
4203 ft.

PACIFIC ELECTRICORD COMPANY#
747 W REDONDO BEACH BLVD
GARDENA, CA 90247

RCRA-SQG 1000249928
ENVIROSTOR CAD008392391
EMI
WDS
CIWQS

Relative:
Higher
Actual:
51 ft.

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: PACIFIC ELECTRICORD COMPANY#
Facility address: 747 W REDONDO BEACH BLVD
GARDENA, CA 90247
EPA ID: CAD008392391
Mailing address: PO BOX 10
GARDENA, CA 90247
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: LEVITON MANUFACTURING COMPANY
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACIFIC ELECTRICORD COMPANY# (Continued)

1000249928

Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 04/11/1990
Site name: PACIFIC ELECTRICORD COMPANY#
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: PACIFIC ELECTRICORD COMPANY#
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 08/02/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 01/27/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

ENVIROSTOR:

Facility ID: 71003785
Status: Refer: RWQCB
Status Date: 05/09/2013
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACIFIC ELECTRICORD COMPANY# (Continued)

1000249928

NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.89370
Longitude: -118.2891
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD008392391
Alias Type: EPA Identification Number
Alias Name: 110000474512
Alias Type: EPA (FRS #)
Alias Name: 71003785
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 4054
Air District Name: SC
SIC Code: 3079
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACIFIC ELECTRICORD COMPANY# (Continued)

1000249928

SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 4054
Air District Name: SC
SIC Code: 3357
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 4054
Air District Name: SC
SIC Code: 3357
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

WDS:

Facility ID: 4 19I007331
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: 3105326600
Facility Contact: JOE FINANA
Agency Name: PAC ELECTRICORD CO
Agency Address: 747 W Redondo Beach Blvd
Agency City,St,Zip: Gardena 902474203
Agency Contact: JOE FINANA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACIFIC ELECTRICORD COMPANY# (Continued)

1000249928

Agency Telephone: 3105326600
Agency Type: Private
SIC Code: 0
SIC Code 2: Not reported
Primary Waste Type: Not reported
Primary Waste: Not reported
Waste Type2: Not reported
Waste2: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:

Agency: Pacific Electricord Co
Agency Address: 747 W Redondo Beach Blvd, Gardena, CA 90247
Place/Project Type: Industrial - Rolling, Drawing, and Extruding of Copper
SIC/NAICS: Multiple
Region: 4
Program: INDSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 4 19I007331
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 07/02/1993
Termination Date: 12/16/2004
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 33.89257
Longitude: -118.28896

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

154
SSE
1/2-1
0.805 mi.
4250 ft.

PRIME WHEEL CORP
17705 S MAIN ST
CARSON, CA 90248

ENVIROSTOR
LOS ANGELES CO. HMS
NPDES
WDS

S105422038
N/A

Relative:
Lower
Actual:
27 ft.

ENVIROSTOR:
Facility ID: 71003444
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.87023
Longitude: -118.2755
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAR000009803
Alias Type: EPA Identification Number
Alias Name: 110013831728
Alias Type: EPA (FRS #)
Alias Name: 71003444
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1 Non-Submittal
Completed Date: 04/10/2001
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LOS ANGELES CO. HMS:
Region: LA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRIME WHEEL CORP (Continued)

S105422038

Permit Category: I
Facility Id: 017345-023512
Facility Type: 01
Facility Status: Permit
Area: 22
Permit Number: 000014262
Permit Status: Permit

Region: LA
Permit Category: S
Facility Id: 017345-047514
Facility Type: S6
Facility Status: Closed
Area: 22
Permit Number: CGI014350
Permit Status: Closed

Region: LA
Permit Category: Not reported
Facility Id: 024098-033446
Facility Type: Not reported
Facility Status: OPEN
Area: 22
Permit Number: Not reported
Permit Status: Not reported

NPDES:

Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 4 19I014350
Regulatory Measure Type: Industrial
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Active
Status Date: 07/06/1998
Operator Name: Prime Wheel Corp LRP
Operator Address: 17705 S Main St
Operator City: Gardena
Operator State: California
Operator Zip: 90248

NPDES as of 03/2018:

NPDES Number: Not reported
Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRIME WHEEL CORP (Continued)

S105422038

Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	190693
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I014350
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	07/06/1998
Status:	Active
Status Date:	07/06/1998
Place Size:	17
Place Size Unit:	Acres
Contact:	Wei Chen
Contact Title:	DIRECTOR OF ENVIRONMENTAL DIVISION
Contact Phone:	310-516-9126
Contact Phone Ext:	Not reported
Contact Email:	WCHE@PRIMEWHEEL.COM
Operator Name:	Prime Wheel Corp LRP
Operator Address:	17705 S Main St
Operator City:	Gardena
Operator State:	California
Operator Zip:	90248
Operator Contact:	Wei Chen
Operator Contact Title:	DIRECTOR OF ENVIRONMENTAL DIVISION
Operator Contact Phone:	310-516-9126
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	WCHE@PRIMEWHEEL.COM
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-516-9126
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRIME WHEEL CORP (Continued)

S105422038

Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Dominguez Channel
Certifier:	WEI CHEN
Certifier Title:	Director of Environmental Division
Certification Date:	08-APR-15
Primary Sic:	3714-Motor Vehicle Parts and Accessories
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	190693
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I014350
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/06/1998
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Prime Wheel Corp LRP
Discharge Address:	17705 S Main St
Discharge City:	Gardena
Discharge State:	California
Discharge Zip:	90248
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRIME WHEEL CORP (Continued)

S105422038

Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	190693
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 191014350
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/06/1998
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	17705 S Main St
Discharge Name:	Prime Wheel Corp LRP
Discharge City:	Gardena
Discharge State:	California
Discharge Zip:	90248
Status:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRIME WHEEL CORP (Continued)

S105422038

Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
NPDES as of 03/2018:	
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	190693
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I014350
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	07/06/1998
Status:	Active
Status Date:	07/06/1998
Place Size:	17
Place Size Unit:	Acres
Contact:	Wei Chen
Contact Title:	DIRECTOR OF ENVIRONMENTAL DIVISION
Contact Phone:	310-516-9126
Contact Phone Ext:	Not reported
Contact Email:	WCHEM@PRIMEWHEEL.COM
Operator Name:	Prime Wheel Corp LRP
Operator Address:	17705 S Main St
Operator City:	Gardena
Operator State:	California
Operator Zip:	90248
Operator Contact:	Wei Chen
Operator Contact Title:	DIRECTOR OF ENVIRONMENTAL DIVISION
Operator Contact Phone:	310-516-9126
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	WCHEM@PRIMEWHEEL.COM
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-516-9126

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRIME WHEEL CORP (Continued)

S105422038

Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Dominguez Channel
Certifier:	WEI CHEN
Certifier Title:	Director of Environmental Division
Certification Date:	08-APR-15
Primary Sic:	3714-Motor Vehicle Parts and Accessories
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	190693
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I014350
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/06/1998
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Prime Wheel Corp LRP
Discharge Address:	17705 S Main St
Discharge City:	Gardena
Discharge State:	California
Discharge Zip:	90248
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRIME WHEEL CORP (Continued)

S105422038

Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

WDS:

Facility ID:	4 19I014350
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PRIME WHEEL CORP (Continued)

S105422038

are assigned by the Regional Board

Subregion: 4

Facility Telephone: 3105169126

Facility Contact: MITCH TUNG

Agency Name: PRIME WHEEL CORP

Agency Address: 17705 S Main St

Agency City,St,Zip: Gardena 902483516

Agency Contact: ANGELI QUELITANO

Agency Telephone: 3105169126

Agency Type: Private

SIC Code: 0

SIC Code 2: Not reported

Primary Waste Type: Not reported

Primary Waste: Not reported

Waste Type2: Not reported

Waste2: Not reported

Primary Waste Type: Not reported

Secondary Waste: Not reported

Secondary Waste Type: Not reported

Design Flow: 0

Baseline Flow: 0

Reclamation: Not reported

POTW: Not reported

Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

155
 ENE
 1/2-1
 0.815 mi.
 4305 ft.
 Relative:
 Higher
 Actual:
 60 ft.

CORONET MANUFACTURING
16210 S AVALON BLVD
GARDENA, CA 90247

RCRA-SQG 1000338678
ENVIROSTOR CAD083912824
ICIS
US AIRS
EMI
LOS ANGELES CO. HMS
NPDES

RCRA-SQG:
 Date form received by agency: 02/20/2004

Facility name: CORONET MANUFACTURING

Facility address: 16210 S AVALON BLVD
 GARDENA, CA 90247

EPA ID: CAD083912824

Contact: TONY AYALA

Contact address: Not reported
 Not reported

Contact country: US

Contact telephone: 310-327-6700

Contact email: Not reported

EPA Region: 09

Classification: Small Small Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: DASOL INC
Owner/operator address: 16210 S AVALON BLVD
GARDENA, CA 90247

Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1947
Owner/Op end date: Not reported

Owner/operator name: TONY AYALA
Owner/operator address: Not reported
Not reported

Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1984
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 02/20/2004
Site name: CORONET MANUFACTURING
Classification: Large Quantity Generator

. Waste code: D001

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D003

. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D008

. Waste name: LEAD

. Waste code: F001

. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/15/2002

Site name: CORONET MANUFACTURING COMPANY INC.

Classification: Large Quantity Generator

. Waste code: D001

. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D003

. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: F002

. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

SPENT SOLVENT MIXTURES.

Date form received by agency: 03/04/1999
Site name: CORONET MANUFACTURING CO. INC.
Classification: Large Quantity Generator

Date form received by agency: 02/04/1998
Site name: CORONET MFG CO INC
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: CORONET MFG CO INC
Classification: Large Quantity Generator

Date form received by agency: 05/28/1996
Site name: CORONET MANUFACTURING CO, INC.
Classification: Large Quantity Generator

Date form received by agency: 12/09/1994
Site name: CORONET MANUFACTURING CO, INC
Classification: Large Quantity Generator

Date form received by agency: 12/26/1980
Site name: CORONET MFG CO INC
Classification: Large Quantity Generator

Date form received by agency: 12/26/1980
Site name: CORONET MFG CO INC
Classification: Large Quantity Generator

Violation Status: No violations found

ENVIROSTOR:

Facility ID: 71002611
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.88441
Longitude: -118.2649
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Potential Description: NONE SPECIFIED
Alias Name: CAD083912824
Alias Type: EPA Identification Number
Alias Name: 110000474497
Alias Type: EPA (FRS #)
Alias Name: 71002611
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ICIS:

Enforcement Action ID: CASCAA200137872
FRS ID: 110000474497
Action Name: NOV P64013 FOR RULE 3002(c)(1) & 3003 (a)(6)
Facility Name: CORONET MFG CO INC
Facility Address: 16210 S AVALON BLVD
GARDENA, CA 902480000

Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 3645
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.88488
Longitude in Decimal Degrees: -118.265
Permit Type Desc: Not reported
Program System Acronym: CASCA0000603700234
Facility NAICS Code: 335121
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000060370023400071
FRS ID: 110000474497
Action Name: CORONET MFG CO INC 060370023400071
Facility Name: CORONET MFG CO INC
Facility Address: 16210 S AVALON BLVD
GARDENA, CA 902480000

Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Facility SIC Code: 3645
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.88488
Longitude in Decimal Degrees: -118.265
Permit Type Desc: Not reported
Program System Acronym: CASCA0000603700234
Facility NAICS Code: 335121
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060370023400070
FRS ID: 110000474497
Action Name: CORONET MFG CO INC 060370023400070
Facility Name: CORONET MFG CO INC
Facility Address: 16210 S AVALON BLVD
GARDENA, CA 902480000

Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 3645
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.88488
Longitude in Decimal Degrees: -118.265
Permit Type Desc: Not reported
Program System Acronym: CASCA0000603700234
Facility NAICS Code: 335121
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060370023400039
FRS ID: 110000474497
Action Name: CORONET MFG CO INC 060370023400039
Facility Name: CORONET MFG CO INC
Facility Address: 16210 S AVALON BLVD
GARDENA, CA 902480000

Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAO
Facility SIC Code: 3645
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.88488
Longitude in Decimal Degrees: -118.265
Permit Type Desc: Not reported
Program System Acronym: CASCA0000603700234
Facility NAICS Code: 335121
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060370023400038
FRS ID: 110000474497
Action Name: CORONET MFG CO INC 060370023400038
Facility Name: CORONET MFG CO INC
Facility Address: 16210 S AVALON BLVD
GARDENA, CA 902480000

Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 3645
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.88488
Longitude in Decimal Degrees: -118.265
Permit Type Desc: Not reported
Program System Acronym: CASCA0000603700234
Facility NAICS Code: 335121
Tribal Land Code: Not reported

US AIRS (AFS):

Envid: 1000338678
Region Code: 09
County Code: CA037
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
D and B Number: Not reported
Facility Site Name: CORONET MFG CO INC
Primary SIC Code: 3645
NAICS Code: 335121
Default Air Classification Code: MAJ
Facility Type of Ownership Code: POF
Air CMS Category Code: TVM
HPV Status: Not reported

US AIRS (AFS):

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2005-03-03 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2009-10-16 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-05-13 00:00:00
Activity Status Date: 2015-10-16 14:05:08
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-05-13 00:00:00
Activity Status Date: 2015-10-16 14:06:52
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2016-05-17 00:00:00
Activity Status Date: 2016-06-22 11:20:05
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2016-05-17 00:00:00
Activity Status Date: 2016-06-22 11:23:28
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1982-04-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1983-06-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-02-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-03-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-12-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-10-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-12-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-12-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-11-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1990-12-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1991-12-21 00:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-03-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-02-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-02-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-04-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-10-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-10-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-12-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-10-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-09-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-02-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-03-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-03-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-02-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-06-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-06-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-02-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-07-18 00:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-07-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-04-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-05-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR

Map ID
Direction
Distance
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-05-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-02-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-05-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-07-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-02-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-06-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-06-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-06-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-06-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

Map ID
Direction
Distance
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-02-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-06-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-06-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-02-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-07-30 00:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-07-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-10-04 00:00:00
Activity Status Date: 2002-10-04 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-09-10 00:00:00
Activity Status Date: 2009-09-10 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-06-28 00:00:00
Activity Status Date: 2002-06-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-05-14 00:00:00
Activity Status Date: 2009-05-14 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2016-05-31 17:16:05
Activity Group: Case File
Activity Type: Case File
Activity Status: Notified

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2016-06-22 11:21:46
Activity Group: Case File
Activity Type: Case File
Activity Status: Notified

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2005-03-03 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2009-10-16 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-02-23 00:00:00
Activity Status Date: 2015-10-16 14:05:57
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-05-13 00:00:00
Activity Status Date: 2015-10-16 14:05:08
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-05-13 00:00:00
Activity Status Date: 2015-10-16 14:06:52
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-05-17 00:00:00
Activity Status Date: 2016-06-22 11:20:05
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-05-17 00:00:00
Activity Status Date: 2016-06-22 11:23:28
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-10-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-10-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-12-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-10-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-09-29 00:00:00

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-03-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-02-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-03-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-03-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-02-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-06-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-06-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-02-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-07-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-07-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-04-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-05-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-05-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-02-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-05-13 00:00:00

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-07-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-02-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-06-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-06-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-06-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-06-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-02-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-06-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-06-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-02-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-07-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-07-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-02-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-10-04 00:00:00
Activity Status Date: 2002-10-04 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-09-10 00:00:00
Activity Status Date: 2009-09-10 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-06-28 00:00:00
Activity Status Date: 2002-06-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-05-14 00:00:00
Activity Status Date: 2009-05-14 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700234
Facility Registry ID: 110000474497
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported

Map ID
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Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Activity Status Date: 2016-05-17 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 19144
Air District Name: SC
SIC Code: 3645
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 30
Reactive Organic Gases Tons/Yr: 24
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 19144
Air District Name: SC
SIC Code: 3645
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 40
Reactive Organic Gases Tons/Yr: 27
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1993
County Code: 19
Air Basin: SC
Facility ID: 19144
Air District Name: SC
SIC Code: 3645
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 31
Reactive Organic Gases Tons/Yr: 17
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 19144
Air District Name: SC
SIC Code: 3645
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 31
Reactive Organic Gases Tons/Yr: 17
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1996
County Code: 19
Air Basin: SC
Facility ID: 19144
Air District Name: SC
SIC Code: 3645
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 22
Reactive Organic Gases Tons/Yr: 14
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1997
County Code: 19
Air Basin: SC
Facility ID: 19144
Air District Name: SC
SIC Code: 3645
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 22
Reactive Organic Gases Tons/Yr: 13
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1998
County Code: 19
Air Basin: SC
Facility ID: 19144
Air District Name: SC
SIC Code: 3645

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 23
Reactive Organic Gases Tons/Yr: 14
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1999
County Code: 19
Air Basin: SC
Facility ID: 19144
Air District Name: SC
SIC Code: 3645
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 22
Reactive Organic Gases Tons/Yr: 13
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2000
County Code: 19
Air Basin: SC
Facility ID: 19144
Air District Name: SC
SIC Code: 3645
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 22
Reactive Organic Gases Tons/Yr: 13
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2001
County Code: 19
Air Basin: SC
Facility ID: 19144
Air District Name: SC
SIC Code: 3645
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0

Map ID
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MAP FINDINGS

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Database(s)

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CORONET MANUFACTURING (Continued)

1000338678

NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2002
County Code: 19
Air Basin: SC
Facility ID: 19144
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 6
Reactive Organic Gases Tons/Yr: 5
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2003
County Code: 19
Air Basin: SC
Facility ID: 19144
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 6
Reactive Organic Gases Tons/Yr: 5
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2004
County Code: 19
Air Basin: SC
Facility ID: 19144
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 5.5208
Reactive Organic Gases Tons/Yr: 5.08
Carbon Monoxide Emissions Tons/Yr: 0.0708
NOX - Oxides of Nitrogen Tons/Yr: 0.2345
SOX - Oxides of Sulphur Tons/Yr: 0.001491
Particulate Matter Tons/Yr: 0.01373
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.01

Year: 2005

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

County Code: 19
Air Basin: SC
Facility ID: 19144
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 4.03828
Reactive Organic Gases Tons/Yr: 3.454737636
Carbon Monoxide Emissions Tons/Yr: .08173
NOX - Oxides of Nitrogen Tons/Yr: .3032
SOX - Oxides of Sulphur Tons/Yr: .00139
Particulate Matter Tons/Yr: .58371684
Part. Matter 10 Micrometers and Smlr Tons/Yr: .4641767996

Year: 2006
County Code: 19
Air Basin: SC
Facility ID: 19144
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 4.226640895709088910
Reactive Organic Gases Tons/Yr: 4.076
Carbon Monoxide Emissions Tons/Yr: .123
NOX - Oxides of Nitrogen Tons/Yr: .457
SOX - Oxides of Sulphur Tons/Yr: .002
Particulate Matter Tons/Yr: .263
Part. Matter 10 Micrometers and Smlr Tons/Yr: .25347

Year: 2007
County Code: 19
Air Basin: SC
Facility ID: 19144
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 4.226640895709088910
Reactive Organic Gases Tons/Yr: 4.076
Carbon Monoxide Emissions Tons/Yr: .123
NOX - Oxides of Nitrogen Tons/Yr: .457
SOX - Oxides of Sulphur Tons/Yr: .002
Particulate Matter Tons/Yr: .263
Part. Matter 10 Micrometers and Smlr Tons/Yr: .25347

Year: 2008
County Code: 19
Air Basin: SC
Facility ID: 19144
Air District Name: SC
SIC Code: 3641
Air District Name: SOUTH COAST AQMD

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Database(s)

EDR ID Number
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CORONET MANUFACTURING (Continued)

1000338678

Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.503606984769140997
Reactive Organic Gases Tons/Yr: 2.45996345
Carbon Monoxide Emissions Tons/Yr: .04
NOX - Oxides of Nitrogen Tons/Yr: .18
SOX - Oxides of Sulphur Tons/Yr: .00085401
Particulate Matter Tons/Yr: .01002928541
Part. Matter 10 Micrometers and Smlr Tons/Yr: .0100055642279

Year: 2009
County Code: 19
Air Basin: SC
Facility ID: 19144
Air District Name: SC
SIC Code: 3641
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.7349363993089399
Reactive Organic Gases Tons/Yr: 1.7029700000000001
Carbon Monoxide Emissions Tons/Yr: 4.000000000000001E-2
NOX - Oxides of Nitrogen Tons/Yr: 0.14999999999999999
SOX - Oxides of Sulphur Tons/Yr: 7.0200000000000004E-4
Particulate Matter Tons/Yr: 1.5668120000000001E-2
Part. Matter 10 Micrometers and Smlr Tons/Yr: 1.5347842800000001E-2

Year: 2010
County Code: 19
Air Basin: SC
Facility ID: 19144
Air District Name: SC
SIC Code: 3641
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 4.6264569169470704
Reactive Organic Gases Tons/Yr: 4.5609099999999998
Carbon Monoxide Emissions Tons/Yr: 3.5740000000000001E-2
NOX - Oxides of Nitrogen Tons/Yr: 0.1327500000000001
SOX - Oxides of Sulphur Tons/Yr: 6.0999999999999997E-4
Particulate Matter Tons/Yr: 2.2700000000000001E-2
Part. Matter 10 Micrometers and Smlr Tons/Yr: 2.2082600000000001E-2

Year: 2011
County Code: 19
Air Basin: SC
Facility ID: 19144
Air District Name: SC
SIC Code: 3641
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.2127717456
Reactive Organic Gases Tons/Yr: 2.1743
Carbon Monoxide Emissions Tons/Yr: 0.04366
NOX - Oxides of Nitrogen Tons/Yr: 0.16218

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

SOX - Oxides of Sulphur Tons/Yr: 0.00074
Particulate Matter Tons/Yr: 0.018420000492
Part. Matter 10 Micrometers and Smllr Tons/Yr:0.018041800094

Year: 2012
County Code: 19
Air Basin: SC
Facility ID: 19144
Air District Name: SC
SIC Code: 3641
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.0277353035
Reactive Organic Gases Tons/Yr: 1.99031
Carbon Monoxide Emissions Tons/Yr: 0.04812
NOX - Oxides of Nitrogen Tons/Yr: 0.17875
SOX - Oxides of Sulphur Tons/Yr: 0.00082
Particulate Matter Tons/Yr: 0.017500000661
Part. Matter 10 Micrometers and Smllr Tons/Yr:0.017197000126

Year: 2013
County Code: 19
Air Basin: SC
Facility ID: 19144
Air District Name: SC
SIC Code: 2591
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3.4476788919
Reactive Organic Gases Tons/Yr: 2.52592
Carbon Monoxide Emissions Tons/Yr: 0.04248
NOX - Oxides of Nitrogen Tons/Yr: 0.1578
SOX - Oxides of Sulphur Tons/Yr: 0.00072
Particulate Matter Tons/Yr: 0.03611000086
Part. Matter 10 Micrometers and Smllr Tons/Yr:0.035006500163

Year: 2015
County Code: 19
Air Basin: SC
Facility ID: 19144
Air District Name: SC
SIC Code: 2590
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.2995748753
Reactive Organic Gases Tons/Yr: 1.27472397
Carbon Monoxide Emissions Tons/Yr: 0.0482039
NOX - Oxides of Nitrogen Tons/Yr: 0.2519615
SOX - Oxides of Sulphur Tons/Yr: 0.00068904
Particulate Matter Tons/Yr: 0.008659044
Part. Matter 10 Micrometers and Smllr Tons/Yr:0.00864539824

Year: 2016
County Code: 19

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Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Air Basin: SC
Facility ID: 19144
Air District Name: SC
SIC Code: 3645
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.3661114747
Reactive Organic Gases Tons/Yr: 1.32465
Carbon Monoxide Emissions Tons/Yr: 0.06
NOX - Oxides of Nitrogen Tons/Yr: 0.24
SOX - Oxides of Sulphur Tons/Yr: 0.00112
Particulate Matter Tons/Yr: 0.583777595
Part. Matter 10 Micrometers and Smllr Tons/Yr:0.5608186392

LOS ANGELES CO. HMS:

Region: LA
Permit Category: S
Facility Id: 005200-047512
Facility Type: S6
Facility Status: Closed
Area: 22
Permit Number: CGI006953
Permit Status: Closed

Region: LA
Permit Category: I
Facility Id: 005200-105399
Facility Type: 01
Facility Status: Permit
Area: 22
Permit Number: 000005333
Permit Status: Permit

NPDES:

Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 4 19I006953
Regulatory Measure Type: Industrial
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Active
Status Date: 05/12/1992

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Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Operator Name: Coronet Manufacturing Co
Operator Address: 16210 S Avalon Blvd
Operator City: Gardena
Operator State: California
Operator Zip: 90248

NPDES as of 03/2018:

NPDES Number: Not reported
Status: Not reported
Agency Number: Not reported
Region: 4
Regulatory Measure ID: 189657
Order Number: Not reported
Regulatory Measure Type: Industrial
Place ID: Not reported
WDID: 4 19I006953
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Received Date: 05/09/2008
Processed Date: 05/12/1992
Status: Active
Status Date: 05/12/1992
Place Size: 3
Place Size Unit: Acres
Contact: Tony Ayala
Contact Title: Not reported
Contact Phone: 310-327-6700
Contact Phone Ext: Not reported
Contact Email: Not reported
Operator Name: Coronet Manufacturing Co
Operator Address: 16210 S Avalon Blvd
Operator City: Gardena
Operator State: California
Operator Zip: 90248
Operator Contact: Tony Ayala
Operator Contact Title: Not reported
Operator Contact Phone: 310-327-6700
Operator Contact Phone Ext: Not reported
Operator Contact Email: Not reported
Operator Type: Private Business
Developer: Not reported
Developer Address: Not reported
Developer City: Not reported
Developer State: California
Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: 310-327-6700
Emergency Phone Ext: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Dominguez General
Certifier:	Tony Ayala
Certifier Title:	Plant Manager
Certification Date:	12-FEB-15
Primary Sic:	3645-Residential Electric Lighting Fixtures
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	189657
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I006953
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	05/12/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Coronet Manufacturing Co
Discharge Address:	16210 S Avalon Blvd
Discharge City:	Gardena
Discharge State:	California
Discharge Zip:	90248
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported
Operator Contact: Not reported
Operator Contact Title: Not reported
Operator Contact Phone: Not reported
Operator Contact Phone Ext: Not reported
Operator Contact Email: Not reported
Operator Type: Not reported
Developer: Not reported
Developer Address: Not reported
Developer City: Not reported
Developer State: Not reported
Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: Not reported
Emergency Phone Ext: Not reported
Constype Above Ground Ind: Not reported
Constype Below Ground Ind: Not reported
Constype Cable Line Ind: Not reported
Constype Comm Line Ind: Not reported
Constype Commercial Ind: Not reported
Constype Electrical Line Ind: Not reported
Constype Gas Line Ind: Not reported
Constype Industrial Ind: Not reported
Constype Other Description: Not reported
Constype Other Ind: Not reported
Constype Recons Ind: Not reported
Constype Residential Ind: Not reported
Constype Transport Ind: Not reported
Constype Utility Description: Not reported
Constype Utility Ind: Not reported
Constype Water Sewer Ind: Not reported
Dir Discharge Uswater Ind: Not reported
Receiving Water Name: Not reported
Certifier: Not reported
Certifier Title: Not reported
Certification Date: Not reported
Primary Sic: Not reported
Secondary Sic: Not reported
Tertiary Sic: Not reported

Facility Status: Active
NPDES Number: CAS000001
Region: 4
Agency Number: 0
Regulatory Measure ID: 189657
Place ID: Not reported
Order Number: 97-03-DWQ
WDID: 4 19I006953
Regulatory Measure Type: Enrollee
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 05/12/1992

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: 16210 S Avalon Blvd
Discharge Name: Coronet Manufacturing Co
Discharge City: Gardena
Discharge State: California
Discharge Zip: 90248
Status: Not reported
Status Date: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

NPDES as of 03/2018:

NPDES Number: Not reported
Status: Not reported
Agency Number: Not reported
Region: 4
Regulatory Measure ID: 189657
Order Number: Not reported
Regulatory Measure Type: Industrial
Place ID: Not reported
WDID: 4 19I006953
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Received Date: 05/09/2008
Processed Date: 05/12/1992
Status: Active
Status Date: 05/12/1992
Place Size: 3
Place Size Unit: Acres
Contact: Tony Ayala
Contact Title: Not reported
Contact Phone: 310-327-6700
Contact Phone Ext: Not reported
Contact Email: Not reported
Operator Name: Coronet Manufacturing Co
Operator Address: 16210 S Avalon Blvd
Operator City: Gardena
Operator State: California
Operator Zip: 90248
Operator Contact: Tony Ayala
Operator Contact Title: Not reported
Operator Contact Phone: 310-327-6700
Operator Contact Phone Ext: Not reported
Operator Contact Email: Not reported
Operator Type: Private Business
Developer: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-327-6700
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Dominguez General
Certifier:	Tony Ayala
Certifier Title:	Plant Manager
Certification Date:	12-FEB-15
Primary Sic:	3645-Residential Electric Lighting Fixtures
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	189657
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I006953
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	05/12/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Coronet Manufacturing Co
Discharge Address:	16210 S Avalon Blvd
Discharge City:	Gardena
Discharge State:	California
Discharge Zip:	90248
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORONET MANUFACTURING (Continued)

1000338678

Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

MAP FINDINGS

Map ID
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Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

156
East
1/2-1
0.851 mi.
4492 ft.

SAFETY KLEEN OF CALIFORNIA INC
16604 SAN PEDRO ST
CARSON, CA 90746

HAZNET **S113010611**
ICE **N/A**
HWP
NPDES
CIWQS

Relative:
Higher
Actual:
54 ft.

HAZNET:
 envid: S113010611
 Year: 2017
 GEPAID: CAD981696420
 Contact: Billy Sainz
 Telephone: 2109132127
 Mailing Name: Not reported
 Mailing Address: 6880 SMITH AVE
 Mailing City,St,Zip: NEWARK, CA 945604224
 Gen County: Los Angeles
 TSD EPA ID: CAD099452708
 TSD County: Los Angeles
 Waste Category: Waste oil and mixed oil
 Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
 Tons: 1.9
 Cat Decode: Waste oil and mixed oil
 Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
 Facility County: Los Angeles

envid: S113010611
 Year: 2017
 GEPAID: CAD981696420
 Contact: Billy Sainz
 Telephone: 2109132127
 Mailing Name: Not reported
 Mailing Address: 6880 SMITH AVE
 Mailing City,St,Zip: NEWARK, CA 945604224
 Gen County: Los Angeles
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 Waste Category: Waste oil and mixed oil
 Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
 Tons: 1.9
 Cat Decode: Waste oil and mixed oil
 Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
 Facility County: Los Angeles

envid: S113010611
 Year: 2017
 GEPAID: CAD981696420
 Contact: Billy Sainz
 Telephone: 2109132127
 Mailing Name: Not reported
 Mailing Address: 6880 SMITH AVE
 Mailing City,St,Zip: NEWARK, CA 945604224
 Gen County: Los Angeles
 TSD EPA ID: CAD044429835
 TSD County: Los Angeles
 Waste Category: Aqueous solution with total organic residues 10 percent or more

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN OF CALIFORNIA INC (Continued)

S113010611

Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 6.15492
Cat Decode: Aqueous solution with total organic residues 10 percent or more
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

envid: S113010611
Year: 2017
GEPaid: CAD981696420
Contact: Billy Sainz
Telephone: 2109132127
Mailing Name: Not reported
Mailing Address: 6880 SMITH AVE
Mailing City,St,Zip: NEWARK, CA 945604224
Gen County: Los Angeles
TSD EPA ID: CAD044429835
TSD County: Los Angeles

Waste Category: Aqueous solution with total organic residues 10 percent or more
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 6.15492
Cat Decode: Aqueous solution with total organic residues 10 percent or more
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

envid: S113010611
Year: 2017
GEPaid: CAD981696420
Contact: Billy Sainz
Telephone: 2109132127
Mailing Name: Not reported
Mailing Address: 6880 SMITH AVE
Mailing City,St,Zip: NEWARK, CA 945604224
Gen County: Los Angeles
TSD EPA ID: CAD044429835
TSD County: Los Angeles

Waste Category: Aqueous solution with total organic residues 10 percent or more
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 6.15492
Cat Decode: Aqueous solution with total organic residues 10 percent or more
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access 32350 additional CA_HAZNET: record(s) in the EDR Site Report.

ICE:
Envirostor ID: 3000632
EPA ID: CAD981696420
Site Type: INSPECTION
Facility Status: Significant Non-Complier

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN OF CALIFORNIA INC (Continued)

S113010611

Enforcement:

Action Type: Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Action Date: 04/12/2007

Action Type: Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Action Date: 06/05/2012

Inspection:

Action Type: Focused Compliance Inspection - Universal Waste Electronics Recycler
Action Date: 02/24/2005
Violation Class: Class 2
RTC Date: 05/19/2005

Action Type: Compliance Evaluation Inspection - Standardized Permit
Action Date: 08/15/2000
Violation Class: Class 2, Minor
RTC Date: 08/17/2000

Action Type: Compliance Evaluation Inspection - Initiative
Action Date: 10/16/2006
Violation Class: Class 1, Class 2
RTC Date: 01/22/2007

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 12/18/2006
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 05/17/2005
Violation Class: No Violations
RTC Date: Not reported

Action Type: Focused Compliance Inspection - Universal Waste Electronics Collector
Action Date: 01/25/2010
Violation Class: Class 2
RTC Date: 02/08/2010

Action Type: Focused Compliance Inspection - Universal Waste Electronics Collector
Action Date: 03/16/2011
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal - Used Oil Recycler
Action Date: 08/25/2011
Violation Class: Class 2
RTC Date: 11/22/2011

Action Type: Focused Compliance Inspection - Treatment, Storage and Disposal
Action Date: 03/26/2012
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal - Used Oil Recycler
Action Date: 12/27/2012
Violation Class: Class 2

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN OF CALIFORNIA INC (Continued)

S113010611

RTC Date: 02/18/2013

Action Type: Focused Compliance Inspection - Treatment, Storage and Disposal - Used Oil Recycler
Action Date: 05/23/2013
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal - Used Oil Recycler
Action Date: 01/24/2013
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal - Used Oil Recycler
Action Date: 04/22/2014
Violation Class: Minor
RTC Date: 05/15/2014

Action Type: Non-financial Record Review - Treatment, Storage and Disposal - Used Oil Recycler
Action Date: 06/30/2014
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal - Used Oil Recycler
Action Date: 04/07/2016
Violation Class: Minor
RTC Date: 04/21/2016

Action Type: Financial Records Review - Treatment, Storage and Disposal - Used Oil Recycler
Action Date: 07/18/2014
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal - Used Oil Recycler
Action Date: 04/27/2016
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal - Used Oil Recycler
Action Date: 04/18/2018
Violation Class: Class 1, Minor
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal - Used Oil Recycler
Action Date: 06/28/2017
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal - Used Oil Recycler
Action Date: 04/30/2018
Violation Class: No Violations
RTC Date: Not reported

Action Type: Focused Compliance Inspection - Treatment, Storage and Disposal - Used Oil Recycler
Action Date: 02/23/2017
Violation Class: Class 1
RTC Date: Not reported

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EDR ID Number
EPA ID Number

SAFETY KLEEN OF CALIFORNIA INC (Continued)

S113010611

HWP:

EPA Id: CAD981696420
Cleanup Status: OPERATING PERMIT
Latitude: 33.88145
Longitude: -118.2632
Facility Type: Permitted - Operating
Facility Size: Small Treatment
Team: LORI KOCH
Supervisor: ASAHU OKADA
Site Code: 400462, 520128
Assembly District: 64
Senate District: 35
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading
Event Description: New Operating Permit - PUBLIC COMMENT (PUBLIC MEETING)
Actual Date: 04/30/2009

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading
Event Description: New Operating Permit - PUBLIC COMMENT (PUBLIC HEARING)
Actual Date: 04/30/2009

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 06/30/2009

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading
Event Description: New Operating Permit - PUBLIC COMMENT (PUBLIC HEARING)
Actual Date: 06/02/2004

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading
Event Description: New Operating Permit - FINAL PART A & PART B RECEIVED
Actual Date: 04/30/2004

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 09/18/2004

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN OF CALIFORNIA INC (Continued)

S113010611

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 05/18/2007

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading
Event Description: New Operating Permit - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 12/20/2007

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading
Event Description: New Operating Permit - PERMIT TERMINATED - TERMINATION APPROVED
Actual Date: 08/05/2009

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 05/03/2004

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 08/19/2004

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading
Event Description: New Operating Permit - CEQA DETERMINATION
Actual Date: 10/22/2004

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading
Event Description: New Operating Permit - INITIAL ADMINISTRATIVE REVIEW COMPLETED
Actual Date: 05/21/2007

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading
Event Description: New Operating Permit - FINAL PART A & PART B RECEIVED
Actual Date: 11/23/1999

EPA Id: CAD981696420

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Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN OF CALIFORNIA INC (Continued)

S113010611

Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading

Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 03/26/2009

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading

Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 08/05/2009

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading

Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 02/18/2004

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading

Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 05/18/2007

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading

Event Description: New Operating Permit - TECHNICAL COMPLETE LETTER
Actual Date: 03/24/2009

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Not reported

Event Description: *Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date: 04/22/2016

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading

Event Description: New Operating Permit - PUBLIC COMMENT (PUBLIC HEARING)
Actual Date: 05/17/2000

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading

Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 09/17/2014

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage

Map ID
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Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN OF CALIFORNIA INC (Continued)

S113010611

Event Description: Containment #1, Truck Loading/Unloading
New Operating Permit - FINAL CEQA
Actual Date: 10/22/2004

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading

Event Description: New Operating Permit - CEQA DETERMINATION
Actual Date: 10/22/2009

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading

Event Description: New Operating Permit - FINAL PART A & PART B RECEIVED
Actual Date: 03/24/2009

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading

Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 12/07/1999

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading

Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 03/31/1994

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading

Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 08/04/2019

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading

Event Description: New Operating Permit - DISCLOSURE (CLEARED)
Actual Date: 09/16/2008

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading

Event Description: New Operating Permit - FINAL CEQA
Actual Date: 10/22/2009

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN OF CALIFORNIA INC (Continued)

S113010611

Event Description: New Operating Permit - DRAFT PERMIT
Actual Date: 03/26/2009

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading

Event Description: New Operating Permit - PUBLIC COMMENT (END)
Actual Date: 05/11/2009

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading

Event Description: New Operating Permit - PUBLIC COMMENT (END)
Actual Date: 06/18/2004

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading

Event Description: Renewal - No Changes - CALL-IN LETTER ISSUED
Actual Date: 02/01/2018

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Liquid Waste Drum Storage, Solid Waste Drum Storage, Tank Storage
Containment #1, Truck Loading/Unloading

Event Description: Renewal - No Changes - DTSC MEETING WITH APPLICANT
Actual Date: 05/01/2018

Closure:
EPA Id: CAD981696420
Facility Type: Permitted - Operating
Unit Names: Not reported
Event Description: Closure - CLOSURE NOTICE RECEIVED
Actual Date: 11/07/2018

Alias:
EPA Id: CAD981696420
Facility Type: Permitted - Operating
Alias Type: Project Code (Site Code)
Alias: 400462

EPA Id: CAD981696420
Facility Type: Permitted - Operating
Alias Type: Project Code (Site Code)
Alias: 520128

NPDES:
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN OF CALIFORNIA INC (Continued)

S113010611

Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19I010306
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	07/08/1993
Operator Name:	Evergreen
Operator Address:	16604 South San Pedro Street
Operator City:	Carson
Operator State:	California
Operator Zip:	90746
NPDES as of 03/2018:	
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	189951
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I010306
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/08/1993
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Evergreen
Discharge Address:	16604 South San Pedro Street
Discharge City:	Carson
Discharge State:	California
Discharge Zip:	90746
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN OF CALIFORNIA INC (Continued)

S113010611

Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	189951
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I010306
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN OF CALIFORNIA INC (Continued)

S113010611

Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	07/08/1993
Status:	Active
Status Date:	07/08/1993
Place Size:	72600
Place Size Unit:	SqFt
Contact:	William Nakiso
Contact Title:	Terminal Manager
Contact Phone:	949-440-8332
Contact Phone Ext:	Not reported
Contact Email:	william.nakiso@safety-kleen
Operator Name:	Evergreen
Operator Address:	16604 South San Pedro Street
Operator City:	Carson
Operator State:	California
Operator Zip:	90746
Operator Contact:	William Nakiso
Operator Contact Title:	Terminal Manager
Operator Contact Phone:	949-440-8332
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	william.nakiso@safety-kleen.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	949-289-3130
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Pacific Ocean
Certifier:	Joe Christopher
Certifier Title:	Compliance Manager
Certification Date:	11-AUG-15
Primary Sic:	2992-Lubricating Oils and Greases

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN OF CALIFORNIA INC (Continued)

S113010611

Secondary Sic:	4953-Refuse Systems
Tertiary Sic:	Not reported
Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	189951
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19I010306
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/08/1993
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	16604 South San Pedro Street
Discharge Name:	Evergreen
Discharge City:	Carson
Discharge State:	California
Discharge Zip:	90746
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
NPDES as of 03/2018:	
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	189951
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I010306
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/08/1993
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Evergreen
Discharge Address:	16604 South San Pedro Street
Discharge City:	Carson
Discharge State:	California
Discharge Zip:	90746
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN OF CALIFORNIA INC (Continued)

S113010611

Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	189951
Order Number:	Not reported
Regulatory Measure Type:	Industrial

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAFETY KLEEN OF CALIFORNIA INC (Continued)

S113010611

Place ID:	Not reported
WDID:	4 19I010306
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	07/08/1993
Status:	Active
Status Date:	07/08/1993
Place Size:	72600
Place Size Unit:	SqFt
Contact:	William Nakiso
Contact Title:	Terminal Manager
Contact Phone:	949-440-8332
Contact Phone Ext:	Not reported
Contact Email:	william.nakiso@safety-kleen
Operator Name:	Evergreen
Operator Address:	16604 South San Pedro Street
Operator City:	Carson
Operator State:	California
Operator Zip:	90746
Operator Contact:	William Nakiso
Operator Contact Title:	Terminal Manager
Operator Contact Phone:	949-440-8332
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	william.nakiso@safety-kleen.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	949-289-3130
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported

Map ID
 Direction
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 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SAFETY KLEEN OF CALIFORNIA INC (Continued)

S113010611

Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Pacific Ocean
Certifier:	Joe Christopher
Certifier Title:	Compliance Manager
Certification Date:	11-AUG-15
Primary Sic:	2992-Lubricating Oils and Greases
Secondary Sic:	4953-Refuse Systems
Tertiary Sic:	Not reported

CIWQS:

Agency:	Evergreen
Agency Address:	16604 South San Pedro Street, Carson, CA 90746
Place/Project Type:	Industrial - Lubricating Oils and Greases
SIC/NAICS:	Multiple
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I010306
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	07/08/1993
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.88122
Longitude:	-118.26327

157
 SSW
 1/2-1
 0.871 mi.
 4597 ft.

AEROTRON SUPPLY COMPANY, INC
556 WEST 182ND STREET
GARDENA, CA 90248

ENVIROSTOR S101481005
N/A

Relative:
Lower
Actual:
38 ft.

ENVIROSTOR:

Facility ID:	19500102
Status:	Refer: RCRA
Status Date:	04/01/1985
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AEROTRON SUPPLY COMPANY, INC (Continued)

S101481005

Division Branch: Cleanup Cypress
Assembly: 64
Senate: 35
Special Program: * Site Char & Assess Grant (CERCLA 104)
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.86944
Longitude: -118.2836
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * UNSPECIFIED AQUEOUS SOLUTION * UNSPECIFIED SOLVENT MIXTURES *
ADHESIVES

Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: AIRCRAFT ACCESSORY OVERHAUL DIV AEROTRON
Alias Type: Alternate Name
Alias Name: EMERSON & CUMING (GRACE DIVISION)
Alias Type: Alternate Name
Alias Name: GRACE DIVISION OF EMERSON & CUMING
Alias Type: Alternate Name
Alias Name: CAD980885032
Alias Type: EPA Identification Number
Alias Name: 19500102
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 08/24/1982
Comments: FACILITY IDENTIFIED L.A. CHAM OF COMM BUS DIR 1966 MFG AIRCRAFT
HARDWARE

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/28/1994
Comments: DATABASE VERIFICATION PROJECT CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 04/01/1985
Comments: EMERSON-SOURCE ACT: MFG LIQ PLASTICS FOR CASTING RESINS, COATINGS &
ADHESIVES. WST TYPE: ADHESIVE, EPOXY, SOLVENT, WASHWATER. ALSO LOCATE AT
604 W 182 ST (NEXT TO SITE SUBMIT TO EPA PRELIM ASSESS DONE CERCLA 104)

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AL158
SSW
1/2-1
0.897 mi.
4735 ft.

EMERSON AND CUMING
604 WEST 182ND STREET
GARDENA, CA 90248

Site 1 of 2 in cluster AL

Relative:
Higher

Actual:
43 ft.

SEMS-ARCHIVE 1000369595
CORRACTS CAD095627741
RCRA-TSDF
ENVIROSTOR
SWEEPS UST
CA FID UST
RCRA NonGen / NLR
EMI
HWP

SEMS Archive:
Site ID: 0900340
EPA ID: CAD095627741
Cong District: 31
FIPS Code: 06037
FF: N
NPL: Not on the NPL
Non NPL Status: Deferred to RCRA (Subtitle C)
Latitude: 33.873333
Longitude: -118.276667

SEMS Archive Detail:
Region: 09
Site ID: 0900340
EPA ID: CAD095627741
Site Name: EMERSON AND CUMING
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1996-01-23 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0900340
EPA ID: CAD095627741
Site Name: EMERSON AND CUMING
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1991-01-01 05:00:00
Finish Date: 1991-01-01 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900340
EPA ID: CAD095627741
Site Name: EMERSON AND CUMING
NPL: N
FF: N
OU: 00
Action Code: PA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EMERSON AND CUMING (Continued)

1000369595

Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1991-09-09 04:00:00
Qual: D
Current Action Lead: EPA Perf

CORRACTS:

EPA ID: CAD095627741
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19910904
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-TSDF:

Date form received by agency: 04/04/1994
Facility name: EMERSON AND CUMING
Facility address: 604 WEST 182ND STREET
GARDENA, CA 90248
EPA ID: CAD095627741
Mailing address: 77 DRAGON CT
WOBURN, MA 01888-4014
Contact: LARRY T PARKINSON
Contact address: 604 WEST 182ND STREET
GARDENA, CA 90248
Contact country: US
Contact telephone: 213-321-6650
Contact email: Not reported
EPA Region: 09
Land type: Other land type
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: WR GRACE & CO A CT CORP
Owner/operator address: 869 WASHINGTON STREET
CITY NOT REPORTED, MA 99999
Owner/operator country: Not reported
Owner/operator telephone: 617-828-3300
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported
Owner/operator name: WR GRACE & CO A CT CORP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EMERSON AND CUMING (Continued)

1000369595

Owner/operator address: 869 WASHINGTON STREET
CANTON, MA 02021
Owner/operator country: Not reported
Owner/operator telephone: 617-828-3300
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 10/14/1993
Site name: EMERSON AND CUMING
Classification: Not a generator, verified

Date form received by agency: 03/11/1992
Site name: EMERSON & CUMING
Classification: Large Quantity Generator

Corrective Action Summary:

Event date: 01/01/1990
Event: LEAD AGENCY DETERMINATION

Event date: 09/04/1991
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 09/04/1991
Event: NCAPS RANKING/PRIORITY

Event date: 09/04/1991
Event: LEAD AGENCY DETERMINATION

Event date: 09/04/1991
Event: PA OR CERCLA INSPECTION

Facility Has Received Notices of Violations:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EMERSON AND CUMING (Continued)

1000369595

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 05/22/1990
Date achieved compliance: 09/04/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/29/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 01/21/1988
Date achieved compliance: 01/21/1998
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 01/21/1988
Date achieved compliance: 01/21/1998
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 05/31/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/22/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 09/04/1990
Evaluation lead agency: State

Evaluation date: 01/26/1988
Evaluation: FINANCIAL RECORD REVIEW

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EMERSON AND CUMING (Continued)

1000369595

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/21/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 01/21/1998
Evaluation lead agency: State

Evaluation date: 01/21/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

ENVIROSTOR:

Facility ID: 80001717
Status: No Further Action
Status Date: 01/13/2012
Site Code: 400306
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 1.74
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: WM
Program Manager: Peter Ruttan
Supervisor: Rizgar Ghazi
Division Branch: Engineering & Special Projects
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.86929
Longitude: -118.2838
APN: 7339-007-025
Past Use: HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS, MANUFACTURING - CHEMICALS
Potential COC: Tetrachloroethylene (PCE Acetone Toluene
Confirmed COC: 30022-NO 30032-NO 30550-NO
Potential Description: SOIL
Alias Name: 7339-007-025
Alias Type: APN
Alias Name: CAD095627741
Alias Type: EPA Identification Number
Alias Name: 400306
Alias Type: Project Code (Site Code)
Alias Name: 19300176
Alias Type: Envirostor ID Number
Alias Name: 80001717
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EMERSON AND CUMING (Continued)

1000369595

Completed Date: 05/26/2011
Comments: FAST Checklist Completed and Uploaded by PVR

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 01/13/2011
Comments: NFA

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 01/13/2011
Comments: NFA

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/13/2012
Comments: NFA

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Action Completion Determination
Completed Date: 01/13/2012
Comments: NFA

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SWEEPS UST:

Status: Not reported
Comp Number: 5054
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: 0

CA FID UST:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EMERSON AND CUMING (Continued)

1000369595

Facility ID: 19030173
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2130000000
Mail To: Not reported
Mailing Address: 604 W 182ND ST
Mailing Address 2: Not reported
Mailing City,St,Zip: GARDENA 902480000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

RCRA NonGen / NLR:

Date form received by agency: 04/04/1994
Facility name: EMERSON AND CUMING
Facility address: 604 WEST 182ND STREET
GARDENA, CA 90248
EPA ID: CAD095627741
Mailing address: 77 DRAGON CT
WOBURN, MA 01888-4014
Contact: LARRY T PARKINSON
Contact address: 604 WEST 182ND STREET
GARDENA, CA 90248
Contact country: US
Contact telephone: 213-321-6650
Contact email: Not reported
EPA Region: 09
Land type: Other land type
Classification: TSDf
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: WR GRACE & CO A CT CORP
Owner/operator address: 869 WASHINGTON STREET
CITY NOT REPORTED, MA 99999
Owner/operator country: Not reported
Owner/operator telephone: 617-828-3300
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported
Owner/operator name: WR GRACE & CO A CT CORP
Owner/operator address: 869 WASHINGTON STREET

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EMERSON AND CUMING (Continued)

1000369595

CANTON, MA 02021
Owner/operator country: Not reported
Owner/operator telephone: 617-828-3300
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 10/14/1993
Site name: EMERSON AND CUMING
Classification: Not a generator, verified

Date form received by agency: 03/11/1992
Site name: EMERSON & CUMING
Classification: Large Quantity Generator

Corrective Action Summary:

Event date: 01/01/1990
Event: LEAD AGENCY DETERMINATION

Event date: 09/04/1991
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 09/04/1991
Event: NCAPS RANKING/PRIORITY

Event date: 09/04/1991
Event: LEAD AGENCY DETERMINATION

Event date: 09/04/1991
Event: PA OR CERCLA INSPECTION

Facility Has Received Notices of Violations:

Regulation violated: F - 270

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EMERSON AND CUMING (Continued)

1000369595

Area of violation: TSD - General
Date violation determined: 05/22/1990
Date achieved compliance: 09/04/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/29/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 01/21/1988
Date achieved compliance: 01/21/1998
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 01/21/1988
Date achieved compliance: 01/21/1998
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 05/31/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/22/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 09/04/1990
Evaluation lead agency: State

Evaluation date: 01/26/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EMERSON AND CUMING (Continued)

1000369595

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/21/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 01/21/1998
Evaluation lead agency: State

Evaluation date: 01/21/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 21473
Air District Name: SC
SIC Code: 2821
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 33
Reactive Organic Gases Tons/Yr: 24
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 21473
Air District Name: SC
SIC Code: 2821
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 36
Reactive Organic Gases Tons/Yr: 19
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smlr Tons/Yr:1

HWP:

EPA Id: CAD095627741
Cleanup Status: CLOSED
Latitude: 33.86929
Longitude: -118.2838
Facility Type: Historical - Non-Operating
Facility Size: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

EMERSON AND CUMING (Continued)

1000369595

Team: Not reported
 Supervisor: Not reported
 Site Code: 400306
 Assembly District: 64
 Senate District: 35
 Public Information Officer: Not reported
 Public Information Officer: Not reported

Activities:
 EPA Id: CAD095627741
 Facility Type: Historical - Non-Operating
 Unit Names: CONTAIN1
 Event Description: New Operating Permit - APPLICATION PART A RECEIVED
 Actual Date: 11/19/1980

Closure:
 EPA Id: CAD095627741
 Facility Type: Historical - Non-Operating
 Unit Names: CONTAIN1
 Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
 Actual Date: 03/30/1993

EPA Id: CAD095627741
 Facility Type: Historical - Non-Operating
 Unit Names: CONTAIN1
 Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
 Actual Date: 04/21/1993

Alias:
 EPA Id: CAD095627741
 Facility Type: Historical - Non-Operating
 Alias Type: Envirostor ID Number
 Alias: 19300176

EPA Id: CAD095627741
 Facility Type: Historical - Non-Operating
 Alias Type: Project Code (Site Code)
 Alias: 400306

**AL159
 SSW
 1/2-1
 0.897 mi.
 4735 ft.**

**EMERSON & CUMING INC
 604 WEST 182ND STREET
 GARDENA, CA 90247**

**ENVIROSTOR S101480732
 N/A**

Site 2 of 2 in cluster AL

**Relative:
 Higher
 Actual:
 43 ft.**

ENVIROSTOR:
 Facility ID: 19300176
 Status: Refer: RCRA
 Status Date: 08/25/1995
 Site Code: Not reported
 Site Type: Historical
 Site Type Detailed: * Historical
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: NONE SPECIFIED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EMERSON & CUMING INC (Continued)

S101480732

Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Chatsworth
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.86944
Longitude: -118.2847
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: W R GRACE & COMPANY
Alias Type: Alternate Name
Alias Name: CAD095627741
Alias Type: EPA Identification Number
Alias Name: 19300176
Alias Type: Envirostor ID Number
Alias Name: 80001717
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 02/11/1988
Comments: SITE SCREENING DONE PAL RECOMMENDED BASED ON LACK OF INFO.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 02/11/1983
Comments: FACILITY IDENTIFIED LA CHAM OF COMM BUS DIR 1971
MANUFACTURER/IMPORTER/EXPORTER PRODUCTS: PLASTIC PRODUCT/MATERIALS

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

160
North
1/2-1
0.917 mi.
4842 ft.

CHEMTRUST INDUSTRIES CORP CALIFORNIA
333 WEST CROWN VISTA DRIVE
GARDENA, CA 90248

ENVIROSTOR **S101480647**
N/A

Relative:
Higher
Actual:
93 ft.

ENVIROSTOR:
Facility ID: 19280876
Status: No Further Action
Status Date: 06/01/1985
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: 1
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Patrick Hsieh
Division Branch: Cleanup Cypress
Assembly: 64
Senate: 35
Special Program: * Site Char & Assess Grant (CERCLA 104)
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.89704
Longitude: -118.2804
APN: NONE SPECIFIED
Past Use: MANUFACTURING - CHEMICALS
Potential COC: Lead Barium and compounds Cadmium and compounds Nickel Zinc
Confirmed COC: 30067-NO 30108-NO 30407-NO 30013-NO 30594-NO
Potential Description: SOIL
Alias Name: MADISON BIONICS (1974-1975)
Alias Type: Alternate Name
Alias Name: MADISON CHEMICAL (1967-1974)
Alias Type: Alternate Name
Alias Name: T & V INDUSTRIES (1982-PRESENT)
Alias Type: Alternate Name
Alias Name: CAD980449458
Alias Type: EPA Identification Number
Alias Name: 19280876
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 05/08/1980
Comments: FACILITY IDENTIFIED IW SURVEY QUESTIONNAIRE 12580 QUEST RECEIVED.
<100GAL/YR WASTE WASTEWATER TREATED BEFORE DISPOSAL

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/28/1994
Comments: DATABASE VERIFICATION PROJECT CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEMTRUST INDUSTRIES CORP CALIFORNIA (Continued)

S101480647

Completed Document Type: Preliminary Assessment Report
Completed Date: 06/01/1985
Comments: PRECAST TANK, EPOXY LINED & COVERED W/ METAL GRATING, INTERCEPTER,
2TRENCH DRAN SOURCE ACT: LACE IW SURVEY 1/67,11/68 - MFG & STORE
BLENDED FORMULATED CLEANERS, DEODORANT,& JANITORIAL PRODS.ALSO PACKAG
4045,1/28/85- 2 UNDER-G TANKS-478GAL FAC TYPE: T/C W/
W.THORSON,T&V,213-770- SUBMIT TO EPA PRELIM ASSESS DONE CERCLA 104

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/04/2018
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

161
NW
1/2-1
0.926 mi.
4891 ft.

VIRCO PROPERTY
15134 SOUTH VERMONT AVENUE
GARDENA, CA 90247

ENVIROSTOR S111214046
CPS-SLIC N/A

Relative:
Higher

ENVIROSTOR:

Actual:
52 ft.

Facility ID: 19340016
Status: No Further Action
Status Date: 01/01/1986
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Cypress
Assembly: 64
Senate: 35
Special Program: * Site Char & Assess Grant (CERCLA 104)
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.89357
Longitude: -118.2906
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * ORGANIC LIQUIDS WITH METALS * OTHER STILL BOTTOM WASTE * Sludge -
Paint * UNSPECIFIED SLUDGE WASTE * WASTE OIL & MIXED OIL
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VIRCO PROPERTY (Continued)

S111214046

Alias Name: PACIFIC ELECTRICORD
Alias Type: Alternate Name
Alias Name: VIRCO MANUFACTURING
Alias Type: Alternate Name
Alias Name: CAD008289530
Alias Type: EPA Identification Number
Alias Name: 110002631812
Alias Type: EPA (FRS #)
Alias Name: 19340016
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 01/01/1986
Comments: VIRCO is leasing the site to Pacific Electricord who makes extention cords and misc wires. VIRCO is located in Torrance, (310) 533-0474.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:

Region: STATE
Facility Status: Completed - Case Closed
Status Date: 09/13/2011
Global Id: SL0603711255
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.8936092325987
Longitude: -118.290749788284
Case Type: Cleanup Program Site
Case Worker: LC
Local Agency: Not reported
RB Case Number: 1180A
File Location: Regional Board
Potential Media Affected: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Tetrachloroethylene (PCE)
Site History: The Former Virco facility operated at the site from 1952 to 1994 in the manufacturing of school furniture, with processes that included making tubular metal from flat steel, welding painting, enamel painting finishing, metal finishing, woodworking, and laminating. Several features at this facility included: metal plating area, sumps, wastewater treatment area, paint line, maintenance and machine shop, hazardous materials storage area, stormwater collection area; which were removed in the late 1980s and early 1990s. The facility used and stored plating solutions, acids, bases solvents, paints and thinners. From 1988 to 2006, numerous investigations and soil remediation were conducted at confirmed and suspected contamination source areas. Metal impacted and petroleum hydrocarbon impacted soil

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

VIRCO PROPERTY (Continued)

S111214046

was excavated and transported to an offsite facility for disposal. In the early 2000s, soil confirmation samples were collected throughout the site. This sampling did not reveal evidence of any significant residual soil contamination source at the site. Groundwater monitoring wells were installed in 2006, and samples were collected for six consecutive quarters. Volatile organic compound concentrations in groundwater are below or similar to their California drinking water maximum contaminant levels. On September 13, 2011, the Los Angeles Regional Water Quality Control Board issued a No Further Action Determination for the site.

[Click here to access the California GeoTracker records for this facility:](#)

162
 SSW
 1/2-1
 0.959 mi.
 5066 ft.

**DEPARTMENT OF TRANSPORTATION
 731 WEST 182ND STREET
 GARDENA, CA 90248**

**ENVIROSTOR S100185159
 N/A**

**Relative:
 Lower
 Actual:
 28 ft.**

ENVIROSTOR:
 Facility ID: 19340733
 Status: Refer: Local Agency
 Status Date: 01/11/2011
 Site Code: Not reported
 Site Type: Evaluation
 Site Type Detailed: Evaluation
 Acres: 0
 NPL: NO
 Regulatory Agencies: US EPA
 Lead Agency: US EPA
 Program Manager: Not reported
 Supervisor: Manny Alonzo
 Division Branch: Cleanup Cypress
 Assembly: 64
 Senate: 35
 Special Program: EPA - PASI
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: Not reported
 Latitude: 33.86902
 Longitude: -118.2873
 APN: NONE SPECIFIED
 Past Use: NONE SPECIFIED
 Potential COC: * HOUSEHOLD WASTES * Metals - Other Inorganic Solid Waste * Metals - Sludge * CONTAMINATED SOIL * BAGHOUSE WASTE * OTHER INORGANIC SOLID WASTE
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: UNITED DISPOSAL CO (FOR 30YRS)
 Alias Type: Alternate Name
 Alias Name: 19340733
 Alias Type: Envirostor ID Number

Completed Info:
 Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 04/25/1995

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEPARTMENT OF TRANSPORTATION (Continued)

S100185159

Comments: NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 06/20/1987
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 06/20/1987
Comments: FACILITY IDENTIFIED FROM DEPT OF TRANSPORTATION ENFORCEMENT(OTHER) REF TO RWQCB FOR SWAT INVESTI. PRELIM ASSESS DONE (UNITED)USED A PORTION OF SITES AS AN UN CONTROLLED DUMP. CURRENTLY A HOLDING & TRANSFER STATIONS. ALSO, ONWED BY VARIOU COMPANIES FOR STORAGE,RECYCLING,DISP, METAL FABRICATION & LATN HOUSE

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Site Screening
Completed Date: 04/26/2012
Comments: USEPA signed and completed.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Count: 8 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CARSON	S111076076	S. C. EVANS	433 WEST 164TH STREET		SWF/LF
CARSON	S118939163	SOUTHWEST STEEL ROLLING MILLS	19101 SOUTH BROADWAY		SWF/LF
CARSON	S118939131	BROADWAY - MAIN LANDFILL	19101 SOUTH BROADWAY		SWF/LF
CARSON	S111075962	KATZ DUMP	18401 SOUTH BROADWAY		SWF/LF
CARSON	S111075996	MARTIN HALLEMAN	18930 SOUTH FIGUEROA STREET		SWF/LF
CARSON	S111075800	BROWN DUMP	18601 SOUTH FIGUEROA STREET		SWF/LF
COMPTON	S111076069	ROSE WILLIAMS LANDFILL	13914-13918 SOUTH MAIN STREET	90248	SWF/LF
LOS ANGELES	S105721860	MCMILLEN OIL FIELD	15100 MAIN	90248	CPS-SLIC

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/12/2018	Source: EPA
Date Data Arrived at EDR: 12/28/2018	Telephone: N/A
Date Made Active in Reports: 01/11/2019	Last EDR Contact: 12/28/2018
Number of Days to Update: 14	Next Scheduled EDR Contact: 04/15/2019
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/12/2018	Source: EPA
Date Data Arrived at EDR: 12/28/2018	Telephone: N/A
Date Made Active in Reports: 01/11/2019	Last EDR Contact: 12/28/2018
Number of Days to Update: 14	Next Scheduled EDR Contact: 04/15/2019
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 12/28/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 01/04/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/28/2018
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 12/13/2018	Source: EPA
Date Data Arrived at EDR: 12/28/2018	Telephone: 800-424-9346
Date Made Active in Reports: 01/11/2019	Last EDR Contact: 12/28/2018
Number of Days to Update: 14	Next Scheduled EDR Contact: 04/29/2019
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/2018	Source: EPA
Date Data Arrived at EDR: 03/28/2018	Telephone: 800-424-9346
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 12/03/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (415) 495-8895
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 12/03/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (415) 495-8895
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 12/03/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (415) 495-8895
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 12/03/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (415) 495-8895
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 12/03/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 10/17/2018	Source: Department of the Navy
Date Data Arrived at EDR: 10/25/2018	Telephone: 843-820-7326
Date Made Active in Reports: 12/07/2018	Last EDR Contact: 02/07/2019
Number of Days to Update: 43	Next Scheduled EDR Contact: 05/27/2019
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 07/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/28/2018	Telephone: 703-603-0695
Date Made Active in Reports: 09/14/2018	Last EDR Contact: 02/04/2019
Number of Days to Update: 17	Next Scheduled EDR Contact: 03/11/2019
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 07/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/28/2018	Telephone: 703-603-0695
Date Made Active in Reports: 09/14/2018	Last EDR Contact: 02/04/2019
Number of Days to Update: 17	Next Scheduled EDR Contact: 03/11/2019
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/24/2018

Date Data Arrived at EDR: 09/25/2018

Date Made Active in Reports: 11/09/2018

Number of Days to Update: 45

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 02/08/2019

Next Scheduled EDR Contact: 04/08/2019

Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity.

These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 10/29/2018

Date Data Arrived at EDR: 10/30/2018

Date Made Active in Reports: 12/13/2018

Number of Days to Update: 44

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 01/29/2019

Next Scheduled EDR Contact: 05/11/2019

Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 10/29/2018

Date Data Arrived at EDR: 10/30/2018

Date Made Active in Reports: 12/13/2018

Number of Days to Update: 44

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 01/29/2019

Next Scheduled EDR Contact: 05/11/2019

Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/12/2018

Date Data Arrived at EDR: 11/14/2018

Date Made Active in Reports: 12/13/2018

Number of Days to Update: 29

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320

Last EDR Contact: 02/12/2019

Next Scheduled EDR Contact: 05/27/2019

Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/11/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/10/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/18/2018	Telephone: 415-972-3372
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/25/2018	Source: EPA Region 8
Date Data Arrived at EDR: 05/18/2018	Telephone: 303-312-6271
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/24/2018	Source: EPA Region 7
Date Data Arrived at EDR: 05/18/2018	Telephone: 913-551-7003
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/13/2018	Source: EPA Region 1
Date Data Arrived at EDR: 05/18/2018	Telephone: 617-918-1313
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/08/2018	Source: EPA Region 4
Date Data Arrived at EDR: 05/18/2018	Telephone: 404-562-8677
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/01/2018	Source: EPA Region 6
Date Data Arrived at EDR: 05/18/2018	Telephone: 214-665-6597
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/12/2018	Source: EPA, Region 5
Date Data Arrived at EDR: 05/18/2018	Telephone: 312-886-7439
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/10/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/11/2018	Telephone: 866-480-1028
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/12/2018
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003	Source: California Regional Water Quality Control Board, North Coast Region (1)
Date Data Arrived at EDR: 04/07/2003	Telephone: 707-576-2220
Date Made Active in Reports: 04/25/2003	Last EDR Contact: 08/01/2011
Number of Days to Update: 18	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004	Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-286-0457
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/18/2006	Telephone: 805-549-3147
Date Made Active in Reports: 06/15/2006	Last EDR Contact: 07/18/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004	Source: Region Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 11/18/2004	Telephone: 213-576-6600
Date Made Active in Reports: 01/04/2005	Last EDR Contact: 07/01/2011
Number of Days to Update: 47	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005	Source: Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 04/05/2005	Telephone: 916-464-3291
Date Made Active in Reports: 04/21/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 16	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/08/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 12/10/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/11/2018	Telephone: 866-480-1028
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/12/2018
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 12/10/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/12/2018	Telephone: 916-327-7844
Date Made Active in Reports: 01/16/2019	Last EDR Contact: 12/12/2018
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/10/2018	Source: SWRCB
Date Data Arrived at EDR: 12/11/2018	Telephone: 916-341-5851
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/11/2018
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/12/2016	Telephone: 916-327-5092
Date Made Active in Reports: 09/19/2016	Last EDR Contact: 12/12/2018
Number of Days to Update: 69	Next Scheduled EDR Contact: 04/01/2019
	Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/25/2018	Source: EPA Region 8
Date Data Arrived at EDR: 05/18/2018	Telephone: 303-312-6137
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/13/2018	Source: EPA, Region 1
Date Data Arrived at EDR: 05/18/2018	Telephone: 617-918-1313
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/10/2018	Source: EPA Region 9
Date Data Arrived at EDR: 05/18/2018	Telephone: 415-972-3368
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/24/2018	Source: EPA Region 7
Date Data Arrived at EDR: 05/18/2018	Telephone: 913-551-7003
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/12/2018	Source: EPA Region 10
Date Data Arrived at EDR: 05/18/2018	Telephone: 206-553-2857
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/12/2018	Source: EPA Region 5
Date Data Arrived at EDR: 05/18/2018	Telephone: 312-886-6136
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/08/2018	Source: EPA Region 4
Date Data Arrived at EDR: 05/18/2018	Telephone: 404-562-9424
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/01/2018	Source: EPA Region 6
Date Data Arrived at EDR: 05/18/2018	Telephone: 214-665-7591
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties

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.

Date of Government Version: 10/29/2018	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 10/30/2018	Telephone: 916-323-3400
Date Made Active in Reports: 12/13/2018	Last EDR Contact: 01/29/2019
Number of Days to Update: 44	Next Scheduled EDR Contact: 05/11/2019
	Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 12/19/2018
Number of Days to Update: 142	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfields Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 09/24/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/25/2018	Telephone: 916-323-7905
Date Made Active in Reports: 10/15/2018	Last EDR Contact: 12/21/2018
Number of Days to Update: 20	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/17/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/18/2018	Telephone: 202-566-2777
Date Made Active in Reports: 01/11/2019	Last EDR Contact: 12/18/2018
Number of Days to Update: 24	Next Scheduled EDR Contact: 04/01/2019
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/10/2000	Telephone: 916-227-4448
Date Made Active in Reports: 05/10/2000	Last EDR Contact: 01/28/2019
Number of Days to Update: 30	Next Scheduled EDR Contact: 05/11/2019
	Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 12/10/2018	Source: Department of Conservation
Date Data Arrived at EDR: 12/12/2018	Telephone: 916-323-3836
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/12/2018
Number of Days to Update: 34	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 09/26/2018	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 09/28/2018	Telephone: 916-341-6422
Date Made Active in Reports: 11/01/2018	Last EDR Contact: 02/12/2019
Number of Days to Update: 34	Next Scheduled EDR Contact: 05/27/2019
	Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 01/29/2019
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/13/2019
	Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 01/17/2019
Number of Days to Update: 137	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014	Source: Department of Health & Human Services, Indian Health Service
Date Data Arrived at EDR: 08/06/2014	Telephone: 301-443-1452
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 02/01/2019
Number of Days to Update: 176	Next Scheduled EDR Contact: 05/13/2019
	Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 09/21/2018	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 09/21/2018	Telephone: 202-307-1000
Date Made Active in Reports: 11/09/2018	Last EDR Contact: 11/26/2018
Number of Days to Update: 49	Next Scheduled EDR Contact: 03/11/2019
	Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/25/2009
	Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 10/29/2018	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 10/30/2018	Telephone: 916-323-3400
Date Made Active in Reports: 12/13/2018	Last EDR Contact: 01/29/2019
Number of Days to Update: 44	Next Scheduled EDR Contact: 05/11/2019
	Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2017	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 06/12/2018	Telephone: 916-255-6504
Date Made Active in Reports: 08/06/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 04/22/2019
	Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 01/26/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/27/2009
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 10/22/2018	Source: CalEPA
Date Data Arrived at EDR: 10/23/2018	Telephone: 916-323-2514
Date Made Active in Reports: 11/30/2018	Last EDR Contact: 01/24/2019
Number of Days to Update: 38	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/21/2018	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 09/21/2018	Telephone: 202-307-1000
Date Made Active in Reports: 11/09/2018	Last EDR Contact: 11/26/2018
Number of Days to Update: 49	Next Scheduled EDR Contact: 03/11/2019
	Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/07/2005	Telephone: N/A
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/03/2005
Number of Days to Update: 35	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/04/2018	Source: Department of Public Health
Date Data Arrived at EDR: 12/06/2018	Telephone: 707-463-4466
Date Made Active in Reports: 12/14/2018	Last EDR Contact: 11/26/2018
Number of Days to Update: 8	Next Scheduled EDR Contact: 03/11/2019
	Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/25/1991	Telephone: 916-341-5851
Date Made Active in Reports: 02/12/1991	Last EDR Contact: 07/26/2001
Number of Days to Update: 18	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/11/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/11/2018
Number of Days to Update: 29

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/24/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 11/29/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/29/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 12/28/2018
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 12/03/2018	Source: DTSC and SWRCB
Date Data Arrived at EDR: 12/05/2018	Telephone: 916-323-3400
Date Made Active in Reports: 01/11/2019	Last EDR Contact: 12/05/2018
Number of Days to Update: 37	Next Scheduled EDR Contact: 03/18/2019
	Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/26/2018	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 03/27/2018	Telephone: 202-366-4555
Date Made Active in Reports: 06/08/2018	Last EDR Contact: 02/08/2019
Number of Days to Update: 73	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 04/06/2018	Source: Office of Emergency Services
Date Data Arrived at EDR: 04/24/2018	Telephone: 916-845-8400
Date Made Active in Reports: 06/14/2018	Last EDR Contact: 01/24/2019
Number of Days to Update: 51	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/10/2018	Source: State Water Quality Control Board
Date Data Arrived at EDR: 12/11/2018	Telephone: 866-480-1028
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/12/2018
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/10/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/11/2018	Telephone: 866-480-1028
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/12/2018
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (415) 495-8895
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 12/03/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 07/08/2015	Telephone: 202-528-4285
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 11/19/2018
Number of Days to Update: 97	Next Scheduled EDR Contact: 03/04/2019
	Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/11/2019
Number of Days to Update: 62	Next Scheduled EDR Contact: 04/22/2019
	Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/11/2019
Number of Days to Update: 339	Next Scheduled EDR Contact: 04/22/2019
	Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/16/2018
Next Scheduled EDR Contact: 02/25/2019
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 08/31/2018
Date Data Arrived at EDR: 09/25/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/08/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/08/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/21/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/16/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/28/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 10/26/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 08/13/2018	Source: EPA
Date Data Arrived at EDR: 10/04/2018	Telephone: 202-564-6023
Date Made Active in Reports: 11/09/2018	Last EDR Contact: 02/08/2019
Number of Days to Update: 36	Next Scheduled EDR Contact: 05/20/2019
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 09/14/2018	Source: EPA
Date Data Arrived at EDR: 10/11/2018	Telephone: 202-566-0500
Date Made Active in Reports: 12/07/2018	Last EDR Contact: 01/11/2019
Number of Days to Update: 57	Next Scheduled EDR Contact: 04/22/2019
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 01/07/2019
Number of Days to Update: 79	Next Scheduled EDR Contact: 04/22/2019
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 09/08/2016	Telephone: 301-415-7169
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 01/22/2019
Number of Days to Update: 43	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 12/05/2018
Number of Days to Update: 76	Next Scheduled EDR Contact: 03/18/2019
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 12/03/2018
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/18/2019
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/30/2017	Telephone: 202-566-0517
Date Made Active in Reports: 12/15/2017	Last EDR Contact: 01/25/2019
Number of Days to Update: 15	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/02/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/03/2018	Telephone: 202-343-9775
Date Made Active in Reports: 11/09/2018	Last EDR Contact: 01/03/2019
Number of Days to Update: 37	Next Scheduled EDR Contact: 04/15/2019
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 10/01/2018
Date Data Arrived at EDR: 10/30/2018
Date Made Active in Reports: 01/18/2019
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2018
Date Data Arrived at EDR: 10/12/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 56

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 12/14/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 12/28/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/01/2018
Date Data Arrived at EDR: 08/29/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 37

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/30/2018
Next Scheduled EDR Contact: 03/11/2019
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/30/2018
Next Scheduled EDR Contact: 03/11/2019
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/30/2018
Next Scheduled EDR Contact: 03/11/2019
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/19/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/15/2018
Date Data Arrived at EDR: 12/05/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 37

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/02/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/30/2018
Next Scheduled EDR Contact: 03/11/2019
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2017	Source: Department of Defense
Date Data Arrived at EDR: 06/19/2018	Telephone: 703-704-1564
Date Made Active in Reports: 09/14/2018	Last EDR Contact: 01/14/2019
Number of Days to Update: 87	Next Scheduled EDR Contact: 04/29/2019
	Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/22/2018	Source: EPA
Date Data Arrived at EDR: 08/22/2018	Telephone: 800-385-6164
Date Made Active in Reports: 10/05/2018	Last EDR Contact: 11/19/2018
Number of Days to Update: 44	Next Scheduled EDR Contact: 03/04/2019
	Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 09/24/2018	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 09/25/2018	Telephone: 916-323-3400
Date Made Active in Reports: 10/16/2018	Last EDR Contact: 12/21/2018
Number of Days to Update: 21	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 08/28/2018	Source: Livermore-Pleasanton Fire Department
Date Data Arrived at EDR: 08/30/2018	Telephone: 925-454-2361
Date Made Active in Reports: 11/01/2018	Last EDR Contact: 02/11/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/27/2019
	Data Release Frequency: Varies

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 09/11/2018	Source: San Francisco County Department of Environmental Health
Date Data Arrived at EDR: 09/12/2018	Telephone: 415-252-3896
Date Made Active in Reports: 09/19/2018	Last EDR Contact: 01/31/2019
Number of Days to Update: 7	Next Scheduled EDR Contact: 05/20/2019
	Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/13/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 42

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 11/29/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 10/04/2018
Date Data Arrived at EDR: 10/05/2018
Date Made Active in Reports: 11/01/2018
Number of Days to Update: 27

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 11/26/2018
Next Scheduled EDR Contact: 03/11/2019
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/30/2018
Date Data Arrived at EDR: 09/27/2018
Date Made Active in Reports: 11/01/2018
Number of Days to Update: 35

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 11/29/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 47

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/21/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 11/01/2018
Date Data Arrived at EDR: 11/02/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 41

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 10/19/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/18/2018
Date Data Arrived at EDR: 11/19/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 53

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/11/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 10/10/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 37

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 11/19/2018
Date Data Arrived at EDR: 11/19/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 53

Source: Department of Toxic Substances Control
Telephone: 877-786-9427
Last EDR Contact: 11/19/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/19/2018
Date Data Arrived at EDR: 11/19/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 53

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/19/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/09/2018
Date Data Arrived at EDR: 10/10/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 37

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/08/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 12/10/2018	Source: Department of Conservation
Date Data Arrived at EDR: 12/12/2018	Telephone: 916-322-1080
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/12/2018
Number of Days to Update: 34	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 11/09/2018	Source: Department of Public Health
Date Data Arrived at EDR: 12/05/2018	Telephone: 916-558-1784
Date Made Active in Reports: 01/11/2019	Last EDR Contact: 12/05/2018
Number of Days to Update: 37	Next Scheduled EDR Contact: 03/18/2019
	Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 11/12/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 11/14/2018	Telephone: 916-445-9379
Date Made Active in Reports: 12/13/2018	Last EDR Contact: 02/12/2019
Number of Days to Update: 29	Next Scheduled EDR Contact: 05/27/2019
	Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 12/03/2018	Source: Department of Pesticide Regulation
Date Data Arrived at EDR: 12/05/2018	Telephone: 916-445-4038
Date Made Active in Reports: 01/11/2019	Last EDR Contact: 12/05/2018
Number of Days to Update: 37	Next Scheduled EDR Contact: 03/18/2019
	Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 12/10/2018	Source: Department of Conservation
Date Data Arrived at EDR: 12/12/2018	Telephone: 916-323-3836
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/12/2018
Number of Days to Update: 34	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 09/19/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/20/2018	Telephone: 916-445-3846
Date Made Active in Reports: 10/19/2018	Last EDR Contact: 12/12/2018
Number of Days to Update: 29	Next Scheduled EDR Contact: 04/01/2019
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 04/27/2018	Source: Department of Conservation
Date Data Arrived at EDR: 06/13/2018	Telephone: 916-445-2408
Date Made Active in Reports: 07/17/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 34	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 12/10/2018	Source: State Water Resource Control Board
Date Data Arrived at EDR: 12/11/2018	Telephone: 866-480-1028
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/12/2018
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 05/08/2018	Source: RWQCB, Central Valley Region
Date Data Arrived at EDR: 07/11/2018	Telephone: 559-445-5577
Date Made Active in Reports: 09/13/2018	Last EDR Contact: 01/11/2019
Number of Days to Update: 64	Next Scheduled EDR Contact: 04/22/2019
	Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 02/13/2019
Number of Days to Update: 9	Next Scheduled EDR Contact: 06/03/2019
	Data Release Frequency: Quarterly

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 12/10/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/11/2018	Telephone: 866-480-1028
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/12/2018
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)

Projects sites

Date of Government Version: 12/10/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/11/2018	Telephone: 866-480-1028
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/12/2018
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/18/2019
Number of Days to Update: 37

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 38

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 12/04/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/24/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 12/19/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/13/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 196	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/30/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 182	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 10/05/2018	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 10/10/2018	Telephone: 510-567-6700
Date Made Active in Reports: 11/01/2018	Last EDR Contact: 01/07/2019
Number of Days to Update: 22	Next Scheduled EDR Contact: 04/22/2019
	Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/05/2018	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 10/10/2018	Telephone: 510-567-6700
Date Made Active in Reports: 11/02/2018	Last EDR Contact: 01/07/2019
Number of Days to Update: 23	Next Scheduled EDR Contact: 04/24/2047
	Data Release Frequency: Semi-Annually

AMADOR COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA AMADOR: CUPA Facility List Cupa Facility List

Date of Government Version: 07/01/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 08/20/2018
Number of Days to Update: 27

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 01/04/2019
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 10/31/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 12/12/2018
Number of Days to Update: 8

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/21/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List Cupa facility list.

Date of Government Version: 05/23/2018
Date Data Arrived at EDR: 05/24/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 50

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/26/2018
Date Data Arrived at EDR: 11/30/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 46

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA DEL NORTE: CUPA Facility List Cupa Facility list

Date of Government Version: 08/16/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 8

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List CUPA facility list.

Date of Government Version: 12/13/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 28

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 10/16/2018
Date Data Arrived at EDR: 10/18/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 27

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 12/26/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List CUPA facility list.

Date of Government Version: 12/11/2018
Date Data Arrived at EDR: 12/13/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 33

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/19/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA IMPERIAL: CUPA Facility List Cupa facility list.

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/25/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 20

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 20

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 11/02/2018
Date Data Arrived at EDR: 11/07/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 37

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 11/21/2018
Date Data Arrived at EDR: 11/27/2018
Date Made Active in Reports: 12/12/2018
Number of Days to Update: 15

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List Cupa facility list

Date of Government Version: 11/07/2018
Date Data Arrived at EDR: 11/08/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 6

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/14/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

LASSEN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA LASSEN: CUPA Facility List Cupa facility list

Date of Government Version: 10/15/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 22

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 09/20/2018
Date Data Arrived at EDR: 10/12/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 35

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/15/2018
Date Data Arrived at EDR: 10/16/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 31

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/15/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2018
Date Data Arrived at EDR: 05/01/2018
Date Made Active in Reports: 05/14/2018
Number of Days to Update: 13

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/15/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 07/01/2018
Date Data Arrived at EDR: 10/16/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 31

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 02/01/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 04/19/2017	Telephone: 310-524-2236
Date Made Active in Reports: 05/10/2017	Last EDR Contact: 01/14/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 04/29/2019
	Data Release Frequency: Semi-Annually

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/09/2017	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 03/10/2017	Telephone: 562-570-2563
Date Made Active in Reports: 05/03/2017	Last EDR Contact: 01/17/2019
Number of Days to Update: 54	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Annually

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/02/2018	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 10/05/2018	Telephone: 310-618-2973
Date Made Active in Reports: 11/02/2018	Last EDR Contact: 01/17/2019
Number of Days to Update: 28	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 11/26/2018	Source: Madera County Environmental Health
Date Data Arrived at EDR: 11/27/2018	Telephone: 559-675-7823
Date Made Active in Reports: 12/12/2018	Last EDR Contact: 11/14/2018
Number of Days to Update: 15	Next Scheduled EDR Contact: 03/04/2019
	Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 10/04/2018	Telephone: 415-473-6647
Date Made Active in Reports: 11/02/2018	Last EDR Contact: 01/14/2019
Number of Days to Update: 29	Next Scheduled EDR Contact: 04/15/2019
	Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/29/2018
Date Data Arrived at EDR: 08/31/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 19

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 12/07/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/24/2019
Number of Days to Update: 44

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 12/06/2018
Next Scheduled EDR Contact: 03/11/2019
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/29/2018
Date Data Arrived at EDR: 11/01/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 15

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 12/27/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/21/2018
Next Scheduled EDR Contact: 03/11/2019
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 11/28/2018
Date Data Arrived at EDR: 11/30/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 14

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/26/2018
Next Scheduled EDR Contact: 03/11/2019
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 11/06/2018
Date Data Arrived at EDR: 11/08/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 6

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Varies

ORANGE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 10/04/2018	Source: Health Care Agency
Date Data Arrived at EDR: 11/14/2018	Telephone: 714-834-3446
Date Made Active in Reports: 12/13/2018	Last EDR Contact: 02/04/2019
Number of Days to Update: 29	Next Scheduled EDR Contact: 05/20/2019
	Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 10/04/2018	Source: Health Care Agency
Date Data Arrived at EDR: 11/14/2018	Telephone: 714-834-3446
Date Made Active in Reports: 12/13/2018	Last EDR Contact: 02/04/2019
Number of Days to Update: 29	Next Scheduled EDR Contact: 05/20/2019
	Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 10/04/2018	Source: Health Care Agency
Date Data Arrived at EDR: 11/06/2018	Telephone: 714-834-3446
Date Made Active in Reports: 12/14/2018	Last EDR Contact: 02/05/2019
Number of Days to Update: 38	Next Scheduled EDR Contact: 05/20/2019
	Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 11/29/2018	Source: Placer County Health and Human Services
Date Data Arrived at EDR: 12/04/2018	Telephone: 530-745-2363
Date Made Active in Reports: 01/11/2019	Last EDR Contact: 11/29/2018
Number of Days to Update: 38	Next Scheduled EDR Contact: 03/18/2019
	Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 07/19/2018	Source: Plumas County Environmental Health
Date Data Arrived at EDR: 07/25/2018	Telephone: 530-283-6355
Date Made Active in Reports: 09/05/2018	Last EDR Contact: 01/17/2019
Number of Days to Update: 42	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/10/2018	Source: Department of Environmental Health
Date Data Arrived at EDR: 10/12/2018	Telephone: 951-358-5055
Date Made Active in Reports: 10/16/2018	Last EDR Contact: 12/17/2018
Number of Days to Update: 4	Next Scheduled EDR Contact: 04/01/2019
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST RIVERSIDE: Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 10/10/2018
Date Data Arrived at EDR: 10/12/2018
Date Made Active in Reports: 11/05/2018
Number of Days to Update: 24

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/17/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 08/03/2018
Date Data Arrived at EDR: 10/02/2018
Date Made Active in Reports: 11/01/2018
Number of Days to Update: 30

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/04/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 08/23/2018
Date Data Arrived at EDR: 10/02/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 31

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/28/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 11/15/2018
Date Data Arrived at EDR: 11/16/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 27

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 11/28/2018
Date Data Arrived at EDR: 11/30/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 42

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 12/05/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 37

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 12/05/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

SAN DIEGO CO. SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 11/29/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

LUST SAN FRANCISCO: Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

UST SAN FRANCISCO: Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/05/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 38

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List Cupa Facility List.

Date of Government Version: 11/14/2018
Date Data Arrived at EDR: 11/15/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 28

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 34

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 12/13/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/23/2019
Number of Days to Update: 36

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/10/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

SANTA CLARA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA SANTA CLARA: Cupa Facility List Cupa facility list

Date of Government Version: 11/16/2018
Date Data Arrived at EDR: 11/16/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 27

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 11/21/2018
Next Scheduled EDR Contact: 03/11/2019
Data Release Frequency: Annually

SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/01/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 38

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 30

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

SOLANO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST SOLANO: Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 11/29/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 38

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 11/29/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 11/29/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 10

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 11/29/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List

Cupa Facility list

Date of Government Version: 12/21/2018
Date Data Arrived at EDR: 12/27/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 19

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 12/19/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 10/02/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 10/25/2018
Number of Days to Update: 21

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List

Cupa facility list

Date of Government Version: 12/11/2018
Date Data Arrived at EDR: 12/13/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 33

Source: Stanislaus County Department of Environmental Protection
Telephone: 209-525-6751
Last EDR Contact: 12/13/2018
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 09/18/2018
Date Data Arrived at EDR: 09/20/2018
Date Made Active in Reports: 10/25/2018
Number of Days to Update: 35

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 11/29/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA TEHAMA: CUPA Facility List Cupa facilities

Date of Government Version: 12/13/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 28

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List Cupa facility list

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/25/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 20

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List Cupa program facilities

Date of Government Version: 12/26/2018
Date Data Arrived at EDR: 12/27/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 19

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Division of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/25/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 36

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/26/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Annually

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/07/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Quarterly

MED WASTE VENTURA: Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/25/2018
Date Data Arrived at EDR: 10/25/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 36

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 11/26/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/16/2019
Number of Days to Update: 35

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 12/26/2018
Date Data Arrived at EDR: 01/03/2019
Date Made Active in Reports: 01/16/2019
Number of Days to Update: 13

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 12/26/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 11/05/2018
Date Data Arrived at EDR: 11/07/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 7

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/12/2018	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 11/14/2018	Telephone: 860-424-3375
Date Made Active in Reports: 12/04/2018	Last EDR Contact: 02/12/2019
Number of Days to Update: 20	Next Scheduled EDR Contact: 05/27/2019
	Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/13/2018	Telephone: N/A
Date Made Active in Reports: 08/01/2018	Last EDR Contact: 01/07/2019
Number of Days to Update: 19	Next Scheduled EDR Contact: 04/22/2019
	Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 10/01/2018	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 10/31/2018	Telephone: 518-402-8651
Date Made Active in Reports: 12/20/2018	Last EDR Contact: 01/30/2019
Number of Days to Update: 50	Next Scheduled EDR Contact: 05/11/2019
	Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017	Source: Department of Environmental Protection
Date Data Arrived at EDR: 10/23/2018	Telephone: 717-783-8990
Date Made Active in Reports: 11/27/2018	Last EDR Contact: 01/11/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 04/29/2019
	Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017	Source: Department of Environmental Management
Date Data Arrived at EDR: 02/23/2018	Telephone: 401-222-2797
Date Made Active in Reports: 04/09/2018	Last EDR Contact: 11/16/2018
Number of Days to Update: 45	Next Scheduled EDR Contact: 03/04/2019
	Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017	Source: Department of Natural Resources
Date Data Arrived at EDR: 06/15/2018	Telephone: N/A
Date Made Active in Reports: 07/09/2018	Last EDR Contact: 12/07/2018
Number of Days to Update: 24	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Oil/Gas Pipelines

Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife
Telephone: 916-445-0411

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

333 WEST GARDENA
333 WEST GARDENA
GARDENA, CA 90248

TARGET PROPERTY COORDINATES

Latitude (North):	33.882285 - 33° 52' 56.23"
Longitude (West):	118.278979 - 118° 16' 44.32"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	381720.0
UTM Y (Meters):	3749646.0
Elevation:	43 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5640440 INGLEWOOD, CA
Version Date:	2012
South Map:	5633779 TORRANCE, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

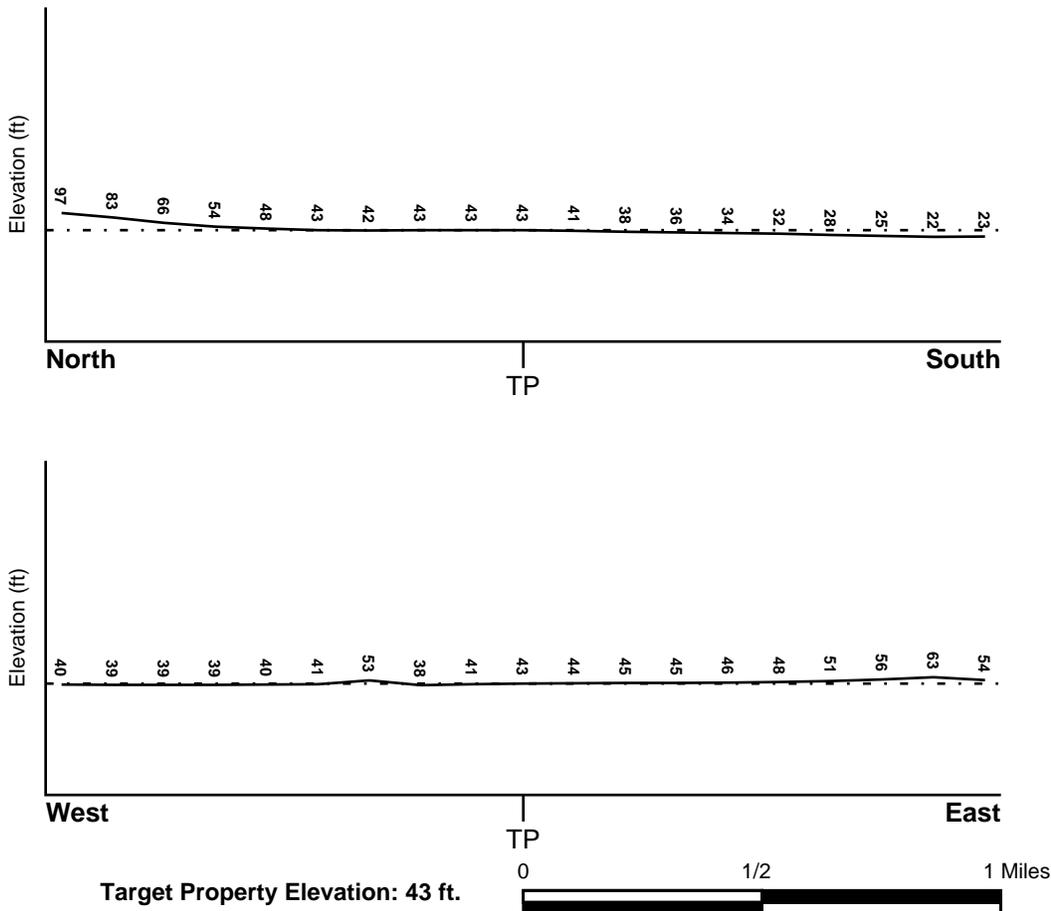
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06037C1795F	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06037C1935F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
INGLEWOOD	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Location Relative to TP:	1/2 - 1 Mile North
Site Name:	COAST PLATING
Site EPA ID Number:	CAD009588278
Groundwater Flow Direction:	S ON A LOCAL BASIS.
Inferred Depth to Water:	100 feet in the Gardena aquifer.
Hydraulic Connection:	A clay layer that is greater than 50 feet thick separates the Gardena aquifer from the ground surface.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
1	1/8 - 1/4 Mile East	SW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
1G	1/8 - 1/4 Mile East	SW

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Cenozoic
System: Quaternary
Series: Quaternary
Code: Q (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: sandy loam
 gravelly - sandy loam
 silt loam
 clay
 fine sand
 gravelly - sand
 sand
 fine sandy loam

Surficial Soil Types: sandy loam
 gravelly - sandy loam
 silt loam
 clay
 fine sand
 gravelly - sand
 sand
 fine sandy loam

Shallow Soil Types: fine sandy loam
 gravelly - loam
 sandy clay
 sandy clay loam
 clay
 silty clay
 sand

Deeper Soil Types: gravelly - sandy loam
 sandy loam
 very gravelly - sandy loam
 stratified
 very fine sandy loam
 weathered bedrock
 sand
 gravelly - fine sandy loam
 silty clay loam
 clay loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
2	USGS40000138791	1/4 - 1/2 Mile NNE
3	USGS40000138713	1/2 - 1 Mile South

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CAOG11000205101	1/4 - 1/2 Mile SW
A2	CAOG11000205414	1/4 - 1/2 Mile SE
3	CAOG11000204966	1/4 - 1/2 Mile ESE
A4	CAOG11000205913	1/4 - 1/2 Mile SE
5	CAOG11000205423	1/2 - 1 Mile SSE
B6	CAOG11000205424	1/2 - 1 Mile SE
B7	CAOG11000205433	1/2 - 1 Mile SE
B8	CAOG11000205547	1/2 - 1 Mile SE
9	CAOG11000210255	1/2 - 1 Mile NNE
B10	CAOG11000205407	1/2 - 1 Mile SE
B11	CAOG11000205548	1/2 - 1 Mile SE
C12	CAOG11000205530	1/2 - 1 Mile SSE
13	CAOG11000204765	1/2 - 1 Mile SSE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
C14	CAOG11000205401	1/2 - 1 Mile SSE
D15	CAOG11000210261	1/2 - 1 Mile NNE
16	CAOG11000204885	1/2 - 1 Mile East
E17	CAOG11000205549	1/2 - 1 Mile SE
18	CAOG11000210279	1/2 - 1 Mile ENE
C19	CAOG11000205418	1/2 - 1 Mile SSE
D20	CAOG11000210260	1/2 - 1 Mile NNE
21	CAOG11000205555	1/2 - 1 Mile SE
E22	CAOG11000205550	1/2 - 1 Mile SE
F23	CAOG11000210254	1/2 - 1 Mile North
G24	CAOG11000205421	1/2 - 1 Mile SSE
25	CAOG11000205551	1/2 - 1 Mile ESE
H26	CAOG11000210633	1/2 - 1 Mile NNE
F27	CAOG11000210258	1/2 - 1 Mile NNE
G28	CAOG11000205552	1/2 - 1 Mile SSE
I29	CAOG11000210259	1/2 - 1 Mile NNE
J30	CAOG11000210275	1/2 - 1 Mile North
G31	CAOG11000205419	1/2 - 1 Mile SSE
32	CAOG11000210631	1/2 - 1 Mile NE
33	CAOG11000205438	1/2 - 1 Mile East
K34	CAOG11000205553	1/2 - 1 Mile SE
L35	CAOG11000192058	1/2 - 1 Mile NE
36	CAOG11000205544	1/2 - 1 Mile SE
37	CAOG11000205557	1/2 - 1 Mile ESE
F38	CAOG11000192052	1/2 - 1 Mile NNE
K39	CAOG11000200703	1/2 - 1 Mile SE
M40	CAOG11000205554	1/2 - 1 Mile SSE
H41	CAOG11000210632	1/2 - 1 Mile NNE
J42	CAOG11000210273	1/2 - 1 Mile North
M43	CAOG11000205416	1/2 - 1 Mile SSE
I44	CAOG11000192051	1/2 - 1 Mile NNE
45	CAOG11000205417	1/2 - 1 Mile SSE
N46	CAOG11000205743	1/2 - 1 Mile ESE
N47	CAOG11000205546	1/2 - 1 Mile ESE
L48	CAOG11000192056	1/2 - 1 Mile NE
O49	CAOG11000200712	1/2 - 1 Mile SSE
50	CAOG11000205545	1/2 - 1 Mile SE
O51	CAOG11000205409	1/2 - 1 Mile SSE
P52	CAOG11000210272	1/2 - 1 Mile North
Q53	CAOG11000192053	1/2 - 1 Mile NE
54	CAOG11000210276	1/2 - 1 Mile North
R55	CAOG11000205437	1/2 - 1 Mile East
S56	CAOG11000205447	1/2 - 1 Mile East
T57	CAOG11000210269	1/2 - 1 Mile NNE
P58	CAOG11000192050	1/2 - 1 Mile NNE
59	CAOG11000205029	1/2 - 1 Mile ENE
P60	CAOG11000210278	1/2 - 1 Mile North
61	CAOG11000205543	1/2 - 1 Mile ESE
U62	CAOG11000192049	1/2 - 1 Mile NNE
63	CAOG11000200702	1/2 - 1 Mile SE
Q64	CAOG11000192054	1/2 - 1 Mile NE
T65	CAOG11000189701	1/2 - 1 Mile NNE
S66	CAOG11000205446	1/2 - 1 Mile East
U67	CAOG11000192048	1/2 - 1 Mile NNE
V68	CAOG11000205542	1/2 - 1 Mile SE
W69	CAOG11000192057	1/2 - 1 Mile NE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
P70	CAOG11000210270	1/2 - 1 Mile North
X71	CAOG11000210635	1/2 - 1 Mile NNE
R72	CAOG11000205441	1/2 - 1 Mile East
73	CAOG11000189706	1/2 - 1 Mile ESE
74	CAOG11000205906	1/2 - 1 Mile SE
Y75	CAOG11000205440	1/2 - 1 Mile East
X76	CAOG11000210634	1/2 - 1 Mile NNE
Q77	CAOG11000192055	1/2 - 1 Mile NE
Z78	CAOG11000210277	1/2 - 1 Mile North
W79	CAOG11000210253	1/2 - 1 Mile NE
U80	CAOG11000210263	1/2 - 1 Mile NNE
V81	CAOG11000205556	1/2 - 1 Mile SE
AA82	CAOG11000205443	1/2 - 1 Mile East
V83	CAOG11000200719	1/2 - 1 Mile SE
AB84	CAOG11000210257	1/2 - 1 Mile NNE
AC85	CAOG11000210264	1/2 - 1 Mile North
AA86	CAOG11000205444	1/2 - 1 Mile East
87	CAOG11000205984	1/2 - 1 Mile ESE
AD88	CAOG11000210265	1/2 - 1 Mile NNE
Z89	CAOG11000210274	1/2 - 1 Mile North
Y90	CAOG11000205442	1/2 - 1 Mile East
Z91	CAOG11000210271	1/2 - 1 Mile North
AB92	CAOG11000192046	1/2 - 1 Mile NE
93	CAOG11000188617	1/2 - 1 Mile SE
94	CAOG11000205163	1/2 - 1 Mile ENE
AD95	CAOG11000210266	1/2 - 1 Mile NNE
AC96	CAOG11000210267	1/2 - 1 Mile North
AB97	CAOG11000192047	1/2 - 1 Mile NNE
98	CAOG11000200705	1/2 - 1 Mile SE
AA99	CAOG11000205445	1/2 - 1 Mile East
100	CAOG11000205605	1/2 - 1 Mile ESE

PHYSICAL SETTING SOURCE MAP - 5563391.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: 333 West Gardena
 ADDRESS: 333 West Gardena
 Gardena CA 90248
 LAT/LONG: 33.882285 / 118.278979

CLIENT: Stantec
 CONTACT: Alicia Jansen
 INQUIRY #: 5563391.2s
 DATE: February 14, 2019 5:14 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1 East 1/8 - 1/4 Mile Higher	Site ID: 000276		AQUIFLOW	64194
	Groundwater Flow: SW			
	Shallow Water Depth: Not Reported			
	Deep Water Depth: Not Reported			
	Average Water Depth: Not Reported			
	Date: 05/19/1998			

2 NNE 1/4 - 1/2 Mile Higher			FED USGS	USGS40000138791
Organization ID:	USGS-CA			
Organization Name:	USGS California Water Science Center			
Monitor Location:	003S013W30A001S	Type:	Well	
Description:	Not Reported	HUC:	18070104	
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported	
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported	
Aquifer:	California Coastal Basin aquifers			
Formation Type:	Not Reported	Aquifer Type:	Not Reported	
Construction Date:	Not Reported	Well Depth:	628	
Well Depth Units:	ft	Well Hole Depth:	628	
Well Hole Depth Units:	ft			

3 South 1/2 - 1 Mile Lower			FED USGS	USGS40000138713
Organization ID:	USGS-CA			
Organization Name:	USGS California Water Science Center			
Monitor Location:	003S013W31B007S	Type:	Well	
Description:	Not Reported	HUC:	18070104	
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported	
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported	
Aquifer:	California Coastal Basin aquifers			
Formation Type:	Not Reported	Aquifer Type:	Not Reported	
Construction Date:	Not Reported	Well Depth:	370	
Well Depth Units:	ft	Well Hole Depth:	384	
Well Hole Depth Units:	ft			

1G East 1/8 - 1/4 Mile Lower	Site ID: 000276		AQUIFLOW	64194
	Groundwater Flow: SW			
	Shallow Water Depth: Not Reported			
	Deep Water Depth: Not Reported			
	Average Water Depth: Not Reported			
	Date: 05/19/1998			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1

SW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000205101

Districtnu:	1	Apinumber:	03706084
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	Y	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.	Countyname:	Los Angeles
Fieldname:	Any Field	Areaname:	Any Area
Section:	30	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Gardena Community 5	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	PDH
Site id:	CAOG11000205101		

A2

SE

1/4 - 1/2 Mile

OIL_GAS

CAOG11000205414

Districtnu:	1	Apinumber:	03706761
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Edgemont Petro. Co.	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Edgemont	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000205414		

3

ESE

1/4 - 1/2 Mile

OIL_GAS

CAOG11000204966

Districtnu:	1	Apinumber:	03705854
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	Y	Wellstatus:	P
Operatorna:	Scope Industries	Countyname:	Los Angeles
Fieldname:	Any Field	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	J. K. Wadley-Yanai	Wellnumber:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000204966		

**A4
SE
1/4 - 1/2 Mile**

OIL_GAS CAOG11000205913

Districtnu:	1	Apinumber:	03707550
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	West Dominguez Assoc.	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Gross	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000205913		

**5
SSE
1/2 - 1 Mile**

OIL_GAS CAOG11000205423

Districtnu:	1	Apinumber:	03706770
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Hileford Assoc.	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	30	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Stevens	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000205423		

**B6
SE
1/2 - 1 Mile**

OIL_GAS CAOG11000205424

Districtnu:	1	Apinumber:	03706771
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Operatorna:	A. E. Hiles & Asso.	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Grant	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205424		

**B7
SE
1/2 - 1 Mile**

OIL_GAS CAOG11000205433

Districtnu:	1	Apinumber:	03706780
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Northwest Dominguez Assoc.	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Grant	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205433		

**B8
SE
1/2 - 1 Mile**

OIL_GAS CAOG11000205547

Districtnu:	1	Apinumber:	03706939
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Austin	Wellnumber:	9
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205547		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

9

NNE

1/2 - 1 Mile

OIL_GAS

CAOG11000210255

Districtnu:	1	Apinumber:	03714562
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Alma K. Larabee and A. Chas. Lantz	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	19	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000210255		

B10

SE

1/2 - 1 Mile

OIL_GAS

CAOG11000205407

Districtnu:	1	Apinumber:	03706753
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Crawford & Assoc.	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Crawford And Associates	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205407		

B11

SE

1/2 - 1 Mile

OIL_GAS

CAOG11000205548

Districtnu:	1	Apinumber:	03706940
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Brea Canon Oil Co.	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Austin	Wellnumber:	10

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205548		

**C12
SSE
1/2 - 1 Mile**

OIL_GAS CAOG11000205530

Districtnu:	1	Apinumber:	03706922
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Tarr & McComb Oil Co., Ltd.	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	30	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Clemar	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205530		

**13
SSE
1/2 - 1 Mile**

OIL_GAS CAOG11000204765

Districtnu:	1	Apinumber:	03705571
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	Y	Wellstatus:	P
Operatorna:	Lebow & McNee	Countyname:	Los Angeles
Fieldname:	Any Field	Areaname:	Any Area
Section:	30	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Bouska	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000204765		

**C14
SSE
1/2 - 1 Mile**

OIL_GAS CAOG11000205401

Districtnu:	1	Apinumber:	03706747
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Operatorna:	Colvin and Delaney	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Barnes	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205401		

**D15
NNE
1/2 - 1 Mile**

OIL_GAS CAOG11000210261

Districtnu:	1	Apinumber:	03714570
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Royalty Service Corp., Ltd.	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	19	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Stein	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000210261		

**16
East
1/2 - 1 Mile**

OIL_GAS CAOG11000204885

Districtnu:	1	Apinumber:	03705738
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	Y	Wellstatus:	P
Operatorna:	Occidental Petroleum Corporation	Countyname:	Los Angeles
Fieldname:	Any Field	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Spencer	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000204885		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

E17

SE

1/2 - 1 Mile

OIL_GAS

CAOG11000205549

Districtnu:	1	Apinumber:	03706941
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Austin	Wellnumber:	11
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205549		

18

ENE

1/2 - 1 Mile

OIL_GAS

CAOG11000210279

Districtnu:	1	Apinumber:	03714592
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	E. T. Wix	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	20	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Simmons	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000210279		

C19

SSE

1/2 - 1 Mile

OIL_GAS

CAOG11000205418

Districtnu:	1	Apinumber:	03706765
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Herley Kelley Co.	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Clark	Wellnumber:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205418		

**D20
NNE
1/2 - 1 Mile**

OIL_GAS CAOG11000210260

Districtnu:	1	Apinumber:	03714567
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Worldwide Energy Corporation	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	19	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Not Reported	Wellnumber:	A-W-4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000210260		

**21
SE
1/2 - 1 Mile**

OIL_GAS CAOG11000205555

Districtnu:	1	Apinumber:	03706947
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Austin	Wellnumber:	17
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205555		

**E22
SE
1/2 - 1 Mile**

OIL_GAS CAOG11000205550

Districtnu:	1	Apinumber:	03706942
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Austin	Wellnumber:	12
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205550		

**F23
North
1/2 - 1 Mile**

OIL_GAS CAOG11000210254

Districtnu:	1	Apinumber:	03714552
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Worldwide Energy Corporation	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	19	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Not Reported	Wellnumber:	102
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000210254		

**G24
SSE
1/2 - 1 Mile**

OIL_GAS CAOG11000205421

Districtnu:	1	Apinumber:	03706768
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Herley Kelley Co.	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Willis	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205421		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

25
ESE
1/2 - 1 Mile

OIL_GAS CAOG11000205551

Districtnu:	1	Apinumber:	03706943
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Brea Canon Oil Co.	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Austin	Wellnumber:	13
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205551		

H26
NNE
1/2 - 1 Mile

OIL_GAS CAOG11000210633

Districtnu:	1	Apinumber:	03715044
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Dr. George G. Averill	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	20	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Averill	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000210633		

F27
NNE
1/2 - 1 Mile

OIL_GAS CAOG11000210258

Districtnu:	1	Apinumber:	03714565
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Worldwide Energy Corporation	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	19	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Not Reported	Wellnumber:	A-W-1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000210258		

G28

SSE

1/2 - 1 Mile

OIL_GAS

CAOG1100020552

Districtnu:	1	Apinumber:	03706944
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Austin	Wellnumber:	14
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG1100020552		

I29

NNE

1/2 - 1 Mile

OIL_GAS

CAOG11000210259

Districtnu:	1	Apinumber:	03714566
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Worldwide Energy Corporation	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	19	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Not Reported	Wellnumber:	A-W-3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000210259		

J30

North

1/2 - 1 Mile

OIL_GAS

CAOG11000210275

Districtnu:	1	Apinumber:	03714586
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	19	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Gordon	Wellnumber:	7
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000210275		

**G31
SSE
1/2 - 1 Mile**

OIL_GAS CAOG11000205419

Districtnu:	1	Apinumber:	03706766
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Herley Kelley Co.	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	32	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Mcclain	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205419		

**32
NE
1/2 - 1 Mile**

OIL_GAS CAOG11000210631

Districtnu:	1	Apinumber:	03715042
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Atlantic Oil Company	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	20	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Stein	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000210631		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

33
East
1/2 - 1 Mile

OIL_GAS CAOG11000205438

Districtnu:	1	Apinumber:	03706785
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Occidental Petroleum Corporation	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Condren	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205438		

K34
SE
1/2 - 1 Mile

OIL_GAS CAOG11000205553

Districtnu:	1	Apinumber:	03706945
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Austin	Wellnumber:	15
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205553		

L35
NE
1/2 - 1 Mile

OIL_GAS CAOG11000192058

Districtnu:	1	Apinumber:	03714593
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	John Guzman Crane Serv., Inc.	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	20	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	61.09	Locationde:	Not Reported
Gissourcec:	gps	Comments:	62207028.ssf
Leasename:	Hatfield	Wellnumber:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000192058		

**36
SE
1/2 - 1 Mile**

OIL_GAS CAOG11000205544

Districtnu:	1	Apinumber:	03706936
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Austin	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205544		

**37
ESE
1/2 - 1 Mile**

OIL_GAS CAOG11000205557

Districtnu:	1	Apinumber:	03706949
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Austin	Wellnumber:	19
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205557		

**F38
NNE
1/2 - 1 Mile**

OIL_GAS CAOG11000192052

Districtnu:	1	Apinumber:	03714561
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Operatorna:	C.R.G. Properties, LTD	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	19	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	67.976	Locationde:	Not Reported
Gissourcec:	gps	Comments:	62207028.ssf
Leasename:	Mc Millen Community	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000192052		

**K39
SE
1/2 - 1 Mile**

OIL_GAS CAOG11000200703

Districtnu:	1	Apinumber:	03700162
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Austin	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000200703		

**M40
SSE
1/2 - 1 Mile**

OIL_GAS CAOG11000205554

Districtnu:	1	Apinumber:	03706946
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	32	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Austin	Wellnumber:	16
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205554		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

**H41
NNE
1/2 - 1 Mile**

OIL_GAS CAOG11000210632

Districtnu:	1	Apinumber:	03715043
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Dr. George G. Averill	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	20	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Averill	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000210632		

**J42
North
1/2 - 1 Mile**

OIL_GAS CAOG11000210273

Districtnu:	1	Apinumber:	03714584
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	19	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Gordon	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000210273		

**M43
SSE
1/2 - 1 Mile**

OIL_GAS CAOG11000205416

Districtnu:	1	Apinumber:	03706763
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Herley-Kelley	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	32	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Maginnis	Wellnumber:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205416		

**I44
NNE
1/2 - 1 Mile**

OIL_GAS CAOG11000192051

Districtnu:	1	Apinumber:	03714560
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	C.R.G. Properties, LTD	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	19	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	72.967	Locationde:	Not Reported
Gissourcec:	gps	Comments:	62207028.ssf
Leasename:	Mc Millen Community	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000192051		

**45
SSE
1/2 - 1 Mile**

OIL_GAS CAOG11000205417

Districtnu:	1	Apinumber:	03706764
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Herley-Kelley	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	31	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Sproule	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000205417		

**N46
ESE
1/2 - 1 Mile**

OIL_GAS CAOG11000205743

Districtnu:	1	Apinumber:	03707307
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Gardena	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000205743		

**N47
ESE
1/2 - 1 Mile**

OIL_GAS CAOG11000205546

Districtnu:	1	Apinumber:	03706938
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Austin	Wellnumber:	8
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205546		

**L48
NE
1/2 - 1 Mile**

OIL_GAS CAOG11000192056

Districtnu:	1	Apinumber:	03714590
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	A
Operatorna:	Breitburn Operating L.P.	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	20	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	76.168	Locationde:	Not Reported
Gissourcec:	gps	Comments:	62207028.ssf
Leasename:	Kaufman	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192056		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

O49
SSE
1/2 - 1 Mile

OIL_GAS CAOG11000200712

Districtnu:	1	Apinumber:	03700178
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	32	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Larronde	Wellnumber:	7
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000200712		

50
SE
1/2 - 1 Mile

OIL_GAS CAOG11000205545

Districtnu:	1	Apinumber:	03706937
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	32	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Austin	Wellnumber:	7
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205545		

O51
SSE
1/2 - 1 Mile

OIL_GAS CAOG11000205409

Districtnu:	1	Apinumber:	03706755
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Clarence Decker and W. T. Osborne	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	32	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	From	Wellnumber:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205409		

P52
North
1/2 - 1 Mile

OIL_GAS CAOG11000210272

Districtnu:	1	Apinumber:	03714583
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	19	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Gordon	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000210272		

Q53
NE
1/2 - 1 Mile

OIL_GAS CAOG11000192053

Districtnu:	1	Apinumber:	03714568
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	A
Operatorna:	Breitburn Operating L.P.	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	20	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	56.807	Locationde:	Not Reported
Gissourcec:	gps	Comments:	62207028.ssf
Leasename:	Riverside	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192053		

54
North
1/2 - 1 Mile

OIL_GAS CAOG11000210276

Districtnu:	1	Apinumber:	03714587
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	19	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Gordon	Wellnumber:	8
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000210276		

**R55
East
1/2 - 1 Mile**

OIL_GAS CAOG11000205437

Districtnu:	1	Apinumber:	03706784
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Occidental Petroleum Corporation	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Condren	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205437		

**S56
East
1/2 - 1 Mile**

OIL_GAS CAOG11000205447

Districtnu:	1	Apinumber:	03706794
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Occidental Petroleum Corporation	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Rehers	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205447		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

T57

NNE

1/2 - 1 Mile

OIL_GAS

CAOG11000210269

Districtnu:	1	Apinumber:	03714580
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Fred-Lite Blocks, Inc.	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	20	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Frederick's Black Gold	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000210269		

P58

NNE

1/2 - 1 Mile

OIL_GAS

CAOG11000192050

Districtnu:	1	Apinumber:	03714559
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	C.R.G. Properties, LTD	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	19	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	80.475	Locationde:	Not Reported
Gissourcec:	gps	Comments:	62207028.ssf
Leasename:	Mc Millen Community	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000192050		

59

ENE

1/2 - 1 Mile

OIL_GAS

CAOG11000205029

Districtnu:	1	Apinumber:	03705951
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	Y	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.	Countyname:	Los Angeles
Fieldname:	Any Field	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Bell Community	Wellnumber:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000205029		

**P60
North
1/2 - 1 Mile**

OIL_GAS CAOG11000210278

Districtnu:	1	Apinumber:	03714589
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	19	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Gordon	Wellnumber:	10
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000210278		

**61
ESE
1/2 - 1 Mile**

OIL_GAS CAOG11000205543

Districtnu:	1	Apinumber:	03706935
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Austin	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205543		

**U62
NNE
1/2 - 1 Mile**

OIL_GAS CAOG11000192049

Districtnu:	1	Apinumber:	03714558
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Operatorna:	C.R.G. Properties, LTD	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	19	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	81.914	Locationde:	Not Reported
Gissourcec:	gps	Comments:	62207028.ssf
Leasename:	Mc Millen Community	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000192049		

**63
SE
1/2 - 1 Mile**

OIL_GAS CAOG11000200702

Districtnu:	1	Apinumber:	03700161
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Austin	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000200702		

**Q64
NE
1/2 - 1 Mile**

OIL_GAS CAOG11000192054

Districtnu:	1	Apinumber:	03714569
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	A
Operatorna:	Breitburn Operating L.P.	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	20	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	54.029	Locationde:	Not Reported
Gissourcec:	gps	Comments:	62207028.ssf
Leasename:	Riverside	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192054		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

T65
NNE
1/2 - 1 Mile

OIL_GAS CAOG11000189701

Districtnu:	1	Apinumber:	03706481
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	A
Operatorna:	Power Run Oil LLC	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	20	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	84.781	Locationde:	Not Reported
Gissourcec:	gps	Comments:	62207028.ssf
Leasename:	Brownstein	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189701		

S66
East
1/2 - 1 Mile

OIL_GAS CAOG11000205446

Districtnu:	1	Apinumber:	03706793
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Occidental Petroleum Corporation	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Rehers	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205446		

U67
NNE
1/2 - 1 Mile

OIL_GAS CAOG11000192048

Districtnu:	1	Apinumber:	03714557
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	C.R.G. Properties, LTD	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	20	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	86.915	Locationde:	Not Reported
Gissourcec:	gps	Comments:	62207028.ssf
Leasename:	Mc Millen Community	Wellnumber:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000192048		

V68

SE
1/2 - 1 Mile

OIL_GAS CAOG11000205542

Districtnu:	1	Apinumber:	03706934
Blmwel:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	32	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Austin	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205542		

W69

NE
1/2 - 1 Mile

OIL_GAS CAOG11000192057

Districtnu:	1	Apinumber:	03714591
Blmwel:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	A
Operatorna:	Breitburn Operating L.P.	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	20	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	76.412	Locationde:	Not Reported
Gissourcec:	gps	Comments:	62207028.ssf
Leasename:	Wolfe	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192057		

P70

North
1/2 - 1 Mile

OIL_GAS CAOG11000210270

Districtnu:	1	Apinumber:	03714581
Blmwel:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	19	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Gordon	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000210270		

**X71
NNE
1/2 - 1 Mile**

OIL_GAS CAOG11000210635

Districtnu:	1	Apinumber:	03715046
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Belmont Oil Co.	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	20	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	H. O.	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000210635		

**R72
East
1/2 - 1 Mile**

OIL_GAS CAOG11000205441

Districtnu:	1	Apinumber:	03706788
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Occidental Petroleum Corporation	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Mattoon-Kent	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205441		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

73
ESE
1/2 - 1 Mile

OIL_GAS CAOG11000189706

Districtnu:	1	Apinumber:	03706487
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Brea Canon Oil Co.	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	52.722	Locationde:	Not Reported
Gissourcec:	gps	Comments:	20809089.ssf
Leasename:	Callender	Wellnumber:	136
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000189706		

74
SE
1/2 - 1 Mile

OIL_GAS CAOG11000205906

Districtnu:	1	Apinumber:	03707543
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	32	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Larronde	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205906		

Y75
East
1/2 - 1 Mile

OIL_GAS CAOG11000205440

Districtnu:	1	Apinumber:	03706787
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Occidental Petroleum Corporation	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Ishida	Wellnumber:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205440		

X76
NNE
1/2 - 1 Mile

OIL_GAS CAOG11000210634

Districtnu:	1	Apinumber:	03715045
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Belmont Oil Co.	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	20	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Averill	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000210634		

Q77
NE
1/2 - 1 Mile

OIL_GAS CAOG11000192055

Districtnu:	1	Apinumber:	03714578
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	A
Operatorna:	Asioco Inc.	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	20	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	72.462	Locationde:	Not Reported
Gissourcec:	gps	Comments:	62207028.ssf
Leasename:	Darling Community	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192055		

Z78
North
1/2 - 1 Mile

OIL_GAS CAOG11000210277

Districtnu:	1	Apinumber:	03714588
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	19	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Gordon	Wellnumber:	9
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000210277		

**W79
NE
1/2 - 1 Mile**

OIL_GAS CAOG11000210253

Districtnu:	1	Apinumber:	03714551
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Crest Petro. Co.	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	20	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Wolf	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000210253		

**U80
NNE
1/2 - 1 Mile**

OIL_GAS CAOG11000210263

Districtnu:	1	Apinumber:	03714572
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Scope Industries Inc.	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	19	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Rowena	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000210263		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

V81

SE

1/2 - 1 Mile

OIL_GAS

CAOG11000205556

Districtnu:	1	Apinumber:	03706948
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	32	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Austin	Wellnumber:	18
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205556		

AA82

East

1/2 - 1 Mile

OIL_GAS

CAOG11000205443

Districtnu:	1	Apinumber:	03706790
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Occidental Petroleum Corporation	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Mattoon-Kent	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205443		

V83

SE

1/2 - 1 Mile

OIL_GAS

CAOG11000200719

Districtnu:	1	Apinumber:	03700193
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	32	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Austin	Wellnumber:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000200719		

AB84

NNE

1/2 - 1 Mile

OIL_GAS

CAOG11000210257

Districtnu:	1	Apinumber:	03714564
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	R. F. Oakes, E. E. Combs, et al	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	20	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Willis	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000210257		

AC85

North

1/2 - 1 Mile

OIL_GAS

CAOG11000210264

Districtnu:	1	Apinumber:	03714573
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Scope Industries Inc.	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	19	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Rowena	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000210264		

AA86

East

1/2 - 1 Mile

OIL_GAS

CAOG11000205444

Districtnu:	1	Apinumber:	03706791
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Operatorna:	Occidental Petroleum Corporation	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Mattoon-Kent	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205444		

**87
ESE
1/2 - 1 Mile**

OIL_GAS CAOG11000205984

Districtnu:	1	Apinumber:	03707678
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Callender	Wellnumber:	84
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205984		

**AD88
NNE
1/2 - 1 Mile**

OIL_GAS CAOG11000210265

Districtnu:	1	Apinumber:	03714574
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Scope Industries Inc.	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	20	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Slabaugh	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000210265		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

Z89
North
1/2 - 1 Mile

OIL_GAS CAOG11000210274

Districtnu:	1	Apinumber:	03714585
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	19	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Gordon	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000210274		

Y90
East
1/2 - 1 Mile

OIL_GAS CAOG11000205442

Districtnu:	1	Apinumber:	03706789
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Western Springs Petro. Co.	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Mattoon-Kent	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205442		

Z91
North
1/2 - 1 Mile

OIL_GAS CAOG11000210271

Districtnu:	1	Apinumber:	03714582
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	19	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Gordon	Wellnumber:	3

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000210271		

AB92

NE

1/2 - 1 Mile

OIL_GAS

CAOG11000192046

Districtnu:	1	Apinumber:	03714555
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Breitburn Operating L.P.	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	20	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	63.806	Locationde:	Not Reported
Gissourcec:	gps	Comments:	62207028.ssf
Leasename:	Reed	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000192046		

93

SE

1/2 - 1 Mile

OIL_GAS

CAOG11000188617

Districtnu:	1	Apinumber:	03700177
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Brea Canon Oil Co.	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	32	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	22.569	Locationde:	Not Reported
Gissourcec:	gps	Comments:	20809089.ssf
Leasename:	Larronde	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000188617		

94

ENE

1/2 - 1 Mile

OIL_GAS

CAOG11000205163

Districtnu:	1	Apinumber:	03706178
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	Y	Wellstatus:	P

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Any Field	Areaname:	Any Area
Section:	20	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Kellogg	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000205163		

**AD95
NNE
1/2 - 1 Mile**

OIL_GAS CAOG11000210266

Districtnu:	1	Apinumber:	03714575
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Scope Industries Inc.	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	20	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Slabaugh	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000210266		

**AC96
North
1/2 - 1 Mile**

OIL_GAS CAOG11000210267

Districtnu:	1	Apinumber:	03714576
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Scope Industries Inc.	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	19	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Van Nuys	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spupdate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000210267		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AB97

NNE

1/2 - 1 Mile

OIL_GAS

CAOG11000192047

Districtnu:	1	Apinumber:	03714556
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	A
Operatorna:	Breitburn Operating L.P.	Countyname:	Los Angeles
Fieldname:	Rosecrans, South	Areaname:	Any Area
Section:	20	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	93.071	Locationde:	Not Reported
Gissourcec:	gps	Comments:	62207079.ssf
Leasename:	Crawford	Wellnumber:	21
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192047		

98

SE

1/2 - 1 Mile

OIL_GAS

CAOG11000200705

Districtnu:	1	Apinumber:	03700168
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Callender	Wellnumber:	75
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000200705		

AA99

East

1/2 - 1 Mile

OIL_GAS

CAOG11000205445

Districtnu:	1	Apinumber:	03706792
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Occidental Petroleum Corporation	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Mattoon-Kent	Wellnumber:	5

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205445		

**100
ESE
1/2 - 1 Mile**

OIL_GAS CAOG11000205605

Districtnu:	1	Apinumber:	03707056
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California	Countyname:	Los Angeles
Fieldname:	Dominguez	Areaname:	Any Area
Section:	29	Township:	03S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Callender	Wellnumber:	77
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000205605		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90248	3	0

Federal EPA Radon Zone for LOS ANGELES County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

California Earthquake Fault Lines

Source: California Division of Mines and Geology

The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon

Source: Department of Public Health

Telephone: 916-210-8558

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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317 TO 353 WEST GARDENA BOULEVARD, CARSON, CALIFORNIA

Appendix E aGENCY Records
July 1, 2019

Appendix E AGENCY RECORDS





Jared Blumenfeld
Secretary for
Environmental Protection



Department of Toxic Substances Control

Meredith Williams, Acting Director
5796 Corporate Avenue
Cypress, California 90630



Gavin Newsom
Governor

February 19, 2019

Ms. Alicia Jansen
Stantec
San Bernardino
Alicia.Jansen@stantec.com

Site: See Attached
PR4-021919-07

Dear: Ms. Jansen:

We have received your Public Records Act Request for records from Department of Toxic Substances Control.

After a thorough review of our files we have found that, no such records exist at this office pertaining to the site/facilities referenced above.

We would like to inform you about Envirostor, a database that provides information and documents on over 5,000 DTSC cleanup sites. Envirostor can be accessed at:
<http://www.envirostor.dtsc.ca.gov/public>.

If you have any questions, would like further information regarding your request, please contact our Regional Records Coordinator at (714) 484-5336 | [future request please: fax: 714.484.5318](#) or email both: Jone.Barrio@dtsc.ca.gov & Julie.Johnson@dtsc.ca.gov

Sincerely,

Jone Barrio

Jone Barrio
Regional Records Coordinator
DTSC-Cypress Administrative Services

From: David Coscia
To: [Jansen, Alicia](#)
Subject: RE: Records Request
Date: Thursday, February 14, 2019 2:14:06 PM

Hello Alicia

It would not affect it. We match by street address and zip code. We didn't have anything for West Gardena Blvd. We had some hits for East Gardena Blvd with those numbers.

Regards,

Mr. David Coscia
Program Manager II
Los Angeles County Public Works
(626) 458-3519

From: Jansen, Alicia <Alicia.Jansen@stantec.com>
Sent: Thursday, February 14, 2019 1:47 PM
To: David Coscia <DCOSCIA@dpw.lacounty.gov>
Subject: RE: Records Request

Thanks David.

Sorry....EDR says the site is actually in Gardena and not Carson. Any listing for below?

317 West Gardena Boulevard, Gardena, CA 90248
319 West Gardena Boulevard, Gardena, CA 90248
321 West Gardena Boulevard, Gardena, CA 90248
323 West Gardena Boulevard, Gardena, CA 90248
325 West Gardena Boulevard, Gardena, CA 90248
327 West Gardena Boulevard, Gardena, CA 90248
329 West Gardena Boulevard, Gardena, CA 90248
331 West Gardena Boulevard, Gardena, CA 90248
333 West Gardena Boulevard, Gardena, CA 90248

Alicia Jansen

Associate Scientist

Stantec Consulting Services Inc.
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408
Direct: (909) 255-8213
Cell: (909) 654-8342
Fax: (909) 335-6120

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From: David Coscia <DCOSCIA@dpw.lacounty.gov>
Sent: Thursday, February 14, 2019 1:21 PM
To: Jansen, Alicia <Alicia.Jansen@stantec.com>
Subject: RE: Records Request

Hello Alicia

Per your request, County of Los Angeles Public Works has the following responses:

- 317 West Gardena Boulevard, Carson, CA 90248 – no files
- 319 West Gardena Boulevard, Carson, CA 90248 – no files
- 321 West Gardena Boulevard, Carson, CA 90248 – no files
- 323 West Gardena Boulevard, Carson, CA 90248 – no files
- 325 West Gardena Boulevard, Carson, CA 90248 – no files
- 327 West Gardena Boulevard, Carson, CA 90248 – no files
- 329 West Gardena Boulevard, Carson, CA 90248 – no files
- 331 West Gardena Boulevard, Carson, CA 90248 – no files
- 333 West Gardena Boulevard, Carson, CA 90248 – no files

Regards,

Mr. David Coscia
Program Manager II
Los Angeles County Public Works
(626) 458-3519

From: Jansen, Alicia <Alicia.Jansen@stantec.com>
Sent: Thursday, February 14, 2019 1:14 PM
To: David Coscia <DCOSCIA@dpw.lacounty.gov>
Subject: Records Request

Good Afternoon David,

I am conducting an environmental assessment and would like to request any available records (i.e. inspection notes, groundwater monitoring reports, underground storage tank permits, hazardous materials business reports, etc) for the following addresses:

317 West Gardena Boulevard, Carson, CA 90248
319 West Gardena Boulevard, Carson, CA 90248
321 West Gardena Boulevard, Carson, CA 90248
323 West Gardena Boulevard, Carson, CA 90248

325 West Gardena Boulevard, Carson, CA 90248
327 West Gardena Boulevard, Carson, CA 90248
329 West Gardena Boulevard, Carson, CA 90248
331 West Gardena Boulevard, Carson, CA 90248
333 West Gardena Boulevard, Carson, CA 90248

Please let me know if you need anything else to process this request.

Thank you,

Alicia Jansen

Associate Scientist

Stantec Consulting Services Inc.

735 E. Carnegie Drive, Suite 280

San Bernardino, CA 92408

Direct: (909) 255-8213

Cell: (909) 654-8342

Fax: (909) 335-6120

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LEYMASTER ENVIRONMENTAL CONSULTING, LLC

January 15, 2019

Mr. Gregg Crandall
Los Angeles Regional Water Quality Control Board
320 West 4th Street, Suite 200
Los Angeles, CA 90013

**Subject: Second Half 2018 Groundwater Monitoring and Groundwater/Soil-Vapor
Extraction System Operations Report
Former ANCO Metal Improvement Company
417 West 164th Street, Carson, CA 90248**

Dear Mr. Crandall:

The attached report describes groundwater monitoring activities and operation of groundwater and soil-vapor extraction systems located at the above-referenced location during the Second Half of 2018.

If you have any questions regarding this report, please call our office at (562) 799-9866.

Sincerely,

Leymaster Environmental Consulting, LLC



Charles F. Lindeman
Environmental Consultant

cc (via e-mail): Sedina L. Banks, Esq.

Second Half 2018 Groundwater Monitoring and Groundwater/Soil-Vapor Extraction System Operations Report

Former ANCO Metal Improvement Company
417 West 164th Street, Carson, California 90248

SCP No. 0714
Site ID No. 2041F00
Global ID No. SL2041F1507

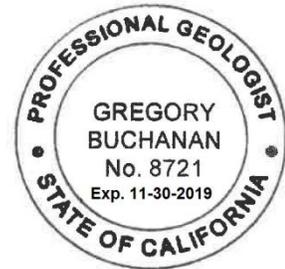
January 15, 2019



Charles F. Lindeman
Environmental Consultant



Greg Buchanan
Professional Geologist No. 8721



Prepared by:

Leymaster Environmental Consulting, LLC
5500 East Atherton Street, Suite 210
Long Beach, California 90815
www.leymaster.net

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Second Half 2018 Groundwater Monitoring and Groundwater/Soil-Vapor Extraction System Operations Report

Former ANCO Metal Improvement Company
417 West 164th Street, Carson, California 90248

SCP No. 0714; Site ID No. 2041F00
Global ID No. SL2041F1507

1.0 Background

The former ANCO Metal Improvement Company (ANCO) facility was constructed in 1967 and performed anodizing, plating, and painting metal parts for the aircraft and aerospace industry (Figure 1 – Local Area Map). A small vapor degreaser utilizing the chemical compound tetrachloroethene (PCE) was operated at the facility. The facility was operated by ANCO Metal Improvement Company from 1967 through 1994. Operations ceased at the site in 1994 and were not restarted until 1999, when Coast Plating began its anodizing operations at the site. Although Triple Net Holdings, LLC currently owns the site and Coast Plating, Inc. occupies the site, C&Q Investments¹, the former property owner, retained the responsibility for remediation of the site (Figure 2 – Site Plot Plan).

Additional site and investigative background information is available at the State’s GeoTracker data management website: http://geotracker.waterboards.ca.gov/profile_report?global_id=SL2041F1507

2.0 Regional Geology and Hydrogeology

The site is located within the Los Angeles Coastal Plain, approximately ¾-mile south of the Rosecrans Hills, at an elevation of approximately 40 feet. The surface geology in the area is mapped by the California Division of Mines and Geology (*Geologic Map of California, Long Beach Sheet*) as Quaternary non-marine terrace deposits. These deposits belong to the Pleistocene Lakewood Formation, which is at least 90 feet thick beneath the site.

¹ The following are the responsible party contacts: The Michael J. Quagletti and Peggy M. Quagletti Family Trust, Dated May 10, 1980; the Administrative Trust under The Stephen Claman and Renee Claman Trust, Dated March 16, 1999; the Stephen Claman Exempt and Non-Exempt Trusts established under the Florence Claman Living Trust of 1976; and CDMJ, LLC. For ease of reference, we shall refer to them collectively as “C&Q.”

Boring logs indicate that the upper 40 feet of the Lakewood Formation beneath the site is made up of unconsolidated sediments ranging from silt to coarse sand, underlain by a silt/clay sequence up to 60 feet thick.

The site is within the West Basin hydrologic subarea. Currently, monitoring wells at the site show the depth to groundwater to be approximately 43 to 44 feet. Prior to the start of remediation activities, the groundwater flow direction beneath the site was to the east-southeast and the hydraulic gradient was approximately 0.005 ft/ft.

3.0 Groundwater Sampling

On April 18, 2011, the Los Angeles Regional Water Quality Control Board (LA-RWQCB) approved LEC's April 6, 2011 request to revise the monitoring, sampling and reporting schedule for all groundwater monitoring and extraction wells located at and in the vicinity of the site (*Approval of Request to Change Groundwater Monitoring and Reporting Schedule*, LA-RWQCB, April 18, 2011). Since the LA-RWQCB's 2011 revised monitoring schedule approval, off-site monitoring wells MW-9 through MW-16 and OW-4 have been monitored more than 20 times. Off-site monitoring well MW-17, installed during November 2013, has been monitored 13 times and off-site monitoring well MW-18, installed during April 2016, has been monitored eight times. Therefore, the groundwater and soil-vapor monitoring schedule has been revised as follows:

Well ID	Well Description	Monitoring Schedule
MW-1 through MW-8	On-site Monitoring Wells	Semi-Annual
MW-9 through MW-16C, OW-4	Off-site Monitoring Wells	Semi-Annual
MW-17 A/C/D & MW-18 A/C/D	Off-site Monitoring Wells	Semi-Annual
GE-1 through GE-12	Groundwater Extraction Wells	Quarterly
S1 through S5, D1 through D5	Soil Vapor Extraction Wells	Quarterly

Monitoring wells are separated into three groups: A/B, C, and D, based on screened intervals. Historical groundwater level data indicate that the A zone and B zone are a single saturated zone. Groundwater samples are collected from the monitoring wells listed in the following table on a semi-annual basis:

Active Monitoring Wells – ANCO Metal Improvement Company

A/B Zone Wells	C Zone Wells	D Zone Wells
Screened 25-50, 35-70, 40-45 or 55-70 feet bgs	Screened 75-90; 80-85 feet bgs	Screened 109-120; 111-116 feet bgs
MW-1	MW-9C	MW-12D
MW-2	MW-10C	MW-14D
MW-3	MW-12C ³	MW-9D
MW-4	MW-14C ³	MW-17D
MW-5	MW-16C	MW-18D
MW-6	MW-17C	OW-4D
MW-8	MW-18C	
MW-9A	OW-4C	
MW-9B		
MW-10A	1. Formerly identified as "S"; screened in A zone 40-45' bgs. 2. Formerly identified as "D"; screened in B zone 60-65' bgs. 3. Formerly identified as "S"; screened in C zone 80-85' bgs.	
MW-10B		
MW-11A ¹		
MW-11B ²	MW-7 converted to groundwater extraction well GE-12.	
MW-13A ¹		
MW-13B ²		
MW-15		
MW-17A		
MW-18A		
OW-4A		
OW-4B		

Groundwater samples from Group A/B wells are collected from dedicated submersible pumps set at depths ranging from 40 to 68 feet bgs. Samples from Group C wells are collected from dedicated submersible pumps set at depths ranging from 83 to 86 feet bgs. Samples from Group D wells are collected from dedicated pumps set at a depth of approximately 114 feet bgs.

Construction details for all groundwater monitoring wells are presented in Table 1 (Groundwater Monitoring Well Construction Details) following the text of this report. Construction details for all groundwater extraction wells (GE-1 through GE-12), shallow soil-vapor extraction wells (S1 through S5), and dual-phase extraction wells (D1 through D5) are presented in Table 2 (Groundwater and Vapor Extraction Well Construction Details) following the text of this report.

3.1 Groundwater Monitoring Well Sampling

Semi-annual (Second Half 2018) monitoring of on-site wells MW-1 through MW-8 and off-site monitoring wells MW-9 through MW-18 and OW-4 was conducted between November 9 and November 15, 2018.

Second Half 2018 groundwater depths were measured to an accuracy of 0.01-feet using an electronic interface probe (Solinst No. 03656-1) between November 9 and November 15, 2018. A groundwater contour map for the Second Half 2018 is presented as Figure 3 (Second Half 2018 Groundwater Contours). Historic water level data are presented in Table 3 (Groundwater Elevation Data 1997-2018).

Prior to sample collection, the monitoring wells were purged using dedicated two-inch submersible pumps using low-flow purging methodology per United States Environmental Protection Agency (USEPA) guidelines. The pumps have been installed within the screen interval of each well, generally 5- to 10-feet above the bottom of the well. Between two and four liters of groundwater were purged from each well. The temperature, pH, electrical conductivity, oxygen-reduction potential (ORP), turbidity, and dissolved oxygen (DO) of the purged water were monitored throughout the purging process using a Horiba water quality meter (No. LEC2) fitted with a flow-cell attachment. Sampling began after these parameters had stabilized. Well Sample Data Logs showing the parameters monitored at each well during Second Half 2018 monitoring are included as Attachment II. The purged groundwater was transferred to the groundwater remediation system for treatment and ultimate disposal to the sanitary sewer under Sanitation Districts of Los Angeles County Permit No. 21560.

Groundwater samples were placed into three EPA-approved, laboratory-supplied 40-milliliter (ml) Volatile Organic Analysis (VOA) vials pre-preserved with hydrochloric acid, properly labeled, placed in a chilled container, and transported under standard chain-of-custody protocols to Performance Analytical Laboratories, Inc. (ELAP No. 2960) of Signal Hill, CA for Volatile Organic Compounds (VOCs) analysis using EPA Method 8260B.

3.2 *Groundwater Monitoring Well Analytical Results*

The analytical results for groundwater samples collected from monitoring wells during each sampling event are summarized in Table 4 (Current and Historic Groundwater Analytical Data for VOCs) and Table 5 (Historic Groundwater Analytical Data for Metals), which follow the text of this report. The Laboratory Report of Analytical Results and Chain-of-Custody Record for groundwater are included as Attachment III.

On March 22, 2017, the LA-RWQCB approved LEC's January 16, 2017 request to reduce groundwater sampling frequency in selected monitoring wells associated with the former ANCO Metal Improvement Company facility. The following table lists the results of VOC analyses collected on a semi-annual basis from all on-site and off-site monitoring wells during the Second Quarter 2018.

VOC Analytical Results (Second Half 2018)

MW ID	Date	PCE (µg/L)	TCE (µg/L)	c-1,2-DCE (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)
Group A/B							
MCL		5.0	5.0	6.0	6.0	5.0	0.5
MW-1	11/13/18	2.68	16.2	<1	<1	1.61	<1
MW-2	11/13/18	<1	<1	<1	<1	<1	<1
MW-3	11/13/18	1.37	<1	<1	<1	<1	<1
MW-4	11/13/18	<1	<1	<1	<1	<1	<1
MW-5	11/13/18	27.6	120	3.2	<1	<1	<1
MW-6	11/13/18	14.1	60.4	<1	4.55	15.4	3.19
MW-7	MW-7 converted to extraction well GE-12 in September 2011						
MW-8	11/13/18	8.79	<1	<1	<1	<1	<1
MW-9A	11/12/18	58.5	1.56	<1	<1	<1	1.18
MW-9B	11/12/18	27.2	<5	<5	<5	<5	<5
MW-10A	11/14/18	28.6	2.89	<1	<1	<1	<1
MW-10B	11/14/18	119	9.66	3.28	2.04	<1	<1
MW-11A	11/12/18	Insufficient Water for Sample Collection					
MW-11B	11/12/18	24.4	23.2	<20	<20	<20	<20
MW-13A	11/15/18	Insufficient Water for Sample Collection					
MW-13B	11/15/18	107	29.7	32.9	66.9	65.7	3.02
MW-15	11/14/18	46.6	16.4	1.72	2.22	<1	<1
MW-17A	11/9/18	146	151	8.1	<2	<2	<2
MW-18A	11/9/18	42.2	104	<1	<1	<1	<1
OW-4A	11/12/18	11.9	5.15	<1	<1	<1	<1
OW-4B	11/12/18	237	17.4	<5	<5	<5	<5
Group C							
MCL		5.0	5.0	6.0	6.0	5.0	0.5
MW-9C	11/12/18	259	28.8	26.2	<5	<5	<5
MW-10C	11/14/18	465	23.8	5.6	5.3	<5	<5
MW-12C	11/12/18	3.35	57.8	17.4	<1	<1	<1
MW-14C	11/15/18	154	25.2	18.8	293	<5	<5
MW-16C	11/14/18	39.2	14.9	2.32	17.2	<1	<1
MW-17C	11/9/18	75.5	42.4	16.2	1.57	<1	<1

MW ID	Date	PCE (µg/L)	TCE (µg/L)	c-1,2-DCE (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)
MW-18C	11/9/18	138	831	16.6	<10	<10	<10
OW-4C	11/12/18	414	37.2	<5	<5	<5	<5
Group D							
MCL		5.0	5.0	6.0	6.0	5.0	0.5
MW-9D	11/15/18	<1	<1	<1	<1	<1	<1
MW-12D	11/12/18	2.09	1.64	<1	<1	<1	<1
MW-14D	11/15/18	<1	42.7	50.3	3.5	<1	<1
MW-17D	11/9/18	<1	18	5.68	<1	<1	<1
MW-18D	11/9/18	<1	34.6	11.3	<1	<1	<1
OW-4D	11/12/18	<1	16.5	16.2	<1	<1	<1
<p>All monitoring wells were sampled semi-annually. <1 = Not detected at the identified laboratory detection limit. µg/L = micrograms per Liter or parts per billion (ppb).</p> <p>PCE = Tetrachloroethene c-1,2-DCE = cis-1,2-Dichloroethene 1,1-DCA = 1,1-Dichloroethane</p> <p>TCE = Trichloroethene 1,1-DCE = 1,1-Dichloroethene 1,2-DCA = 1,2-Dichloroethane</p>							

Graphs of contaminant concentration versus time in monitoring wells that commonly show detectable concentrations of VOCs are presented in Attachment IV.

Figure 4 (Second Half 2018 Groundwater Analytical Results for PCE and TCE) shows PCE and TCE analytical results from all groundwater monitoring and extraction wells sampled during the semi-annual sampling event conducted between November 9 and November 15, 2018.

Separate PCE and TCE iso-concentration contour maps were prepared where applicable. Contaminant iso-concentration maps for the combined A/B zones are presented as Figure 5 (PCE Iso-Concentration Contours [2nd Half 2018] Combined Zones A/B Monitoring Wells) and Figure 6 (TCE Iso-Concentration Contours [2nd Half 2018] Combined Zones A/B Monitoring Wells).

PCE iso-concentration contours for the C zone are presented as Figure 7 (PCE Iso-Concentration Contours [2nd Half 2018] Zone C Monitoring Wells). TCE iso-concentration contours for the C zone are presented as Figure 8 (TCE Iso-Concentration Contours [2nd Half 2018] Zone C Monitoring Wells).

PCE and TCE concentrations for D-Zone monitoring wells and cross-section locations are presented as Figure 9 (Second Half 2018 PCE & TCE Concentrations in Zone D Monitoring Wells and Cross-Sections A-A'/B-B' Locations). Contour maps were prepared using the analytical results from the semi-annual monitoring event conducted during Second Quarter 2018.

Cross-sections depicting PCE and TCE contamination are presented as Figure 10 (View North: Cross-Section A-A' Half 2018 PCE Iso-Concentration Contours), Figure 11 (View North: Cross-Section A-A' 2nd Half 2018 TCE Iso-Concentration Contours), Figure 12 (View Northwest: Cross-Section B-B' 2nd Half 2018 PCE Iso-Concentration Contours) and Figure 13 (View Northwest: Cross-Section B-B' 2nd Half 2018 TCE Iso-Concentration Contours).

3.3 Gasoline Constituents in Groundwater Monitoring Wells

The groundwater pump-and-treat system was started in December 2009. Beginning in August 2015, increasing concentrations of the gasoline additive methyl tert-butyl ether (MTBE) have been detected in groundwater extraction well GE-6 and monitoring wells MW-11A and MW-11B. After a review of PCE and TCE concentration trends in GE-6, MW-11A and MW-11B, groundwater extraction well GE-6 was shut down due to the MTBE incursion.

MTBE and other gasoline constituents were detected in other monitoring wells during subsequent monitoring events. During Second Half 2018 monitoring, concentrations of the gasoline additive MTBE was detected in MW-11B (3,340 µg/L); the gasoline additive diisopropyl ether (DIPE) (56.17 µg/L) was detected in MW-9A; MTBE (335 µg/L) and DIPE (8.85 µg/L) were detected in MW-9B. MTBE was also detected in D-Zone monitoring well MW-18D (7.87 µg/L) during Second Half 2018 monitoring. MW-11A, which has historically contained elevated concentrations of MTBE ($\leq 3,100$ µg/L), contained insufficient groundwater for sample collection during Second Half 2018.

MW-9A and MW-9B are located approximately 200 feet southeast of the former ANCO site; MW-11A and MW-11B are located approximately 350 feet southeast of the former ANCO site near Gardena Boulevard. MTBE was initially detected in groundwater extraction well GE-6 and nearby monitoring wells MW-11A and MW-11B in August 2015. Groundwater extraction well GE-6 was subsequently shut down. MW-18D is located more than 1,800 feet southeast of the former ANCO, south of Gardena Boulevard.

The concentrations of gasoline additives MTBE and TBA detected during Second Half 2018 monitoring are unrelated to operations at the former ANCO Metal Improvement Company site. Groundwater contours for Second Half 2017 (Figure 3) illustrate the groundwater depression

created by the ANCO facility's current pump-and-treat remediation system. This depression results in off-site groundwater of unknown quality being drawn to extraction wells operating at the periphery (e.g., GE-6). S&M Service Station (Global ID No. T0603701287) and Rocket #3 (Global ID No. T0603701285) are located approximately 1,000 feet west of monitoring wells MW-11A and MW-11B. AHF Ducommun (Global ID No. T10000000998) and Andrew M. Martin Co., Inc. (Global ID No. T10000005859) are located approximately 450 feet northeast and 550 feet southwest, respectively, of monitoring well MW-18D.

3.4 Chromium in Groundwater Monitoring Wells

The Maximum Contaminant Level (MCL) for total chromium in drinking water is 0.05 milligrams per liter (mg/L). With few exceptions, groundwater samples collected from off-site monitoring wells have historically not contained total chromium and/or hexavalent chromium at detectable levels. Total chromium (≤ 17.2 mg/L) and hexavalent chromium (≤ 14.1 mg/L) have historically been detected in on-site monitoring wells at continually decreasing concentrations (Table 5 - Current and Historical Groundwater Analytical Data for Metals). Chromium was last detected in an on-site monitoring well in June 2012 (0.77 mg/L). After five consecutive monitoring events -- November 2012 to August 2014 -- with "non-detect" levels (<0.01 mg/L), sampling for chromium in on-site monitoring wells was discontinued with LA-RWQCB approval in August 2014.

As previously discussed in Sections 3.3 through 3.6 of LEC's January 15, 2016 *Second Half 2015 Groundwater Monitoring and Groundwater/Soil-Vapor Extraction System Operations Report*, laboratory analyses indicate that Valence Surface Technologies' ("VST"; aka Coast Plating, Inc. "CPI") operations have resulted in increasing concentrations of chromium in groundwater beneath the VST/CPI facility. The LA-RWQCB is currently overseeing assessment of the chromium release at the VST/CPI facility (SCP No. 1367; Global ID No. T10000008609).

3.5 Groundwater Extraction Well Sampling

Second Half 2018 monitoring of groundwater extraction wells GE-1 through GE-12 was conducted on November 12, 2018.

Extraction well samples were collected at individual sample-port locations within the remediation system complex. The sample ports for each extraction well are located along the influent piping, immediately before the groundwater enters the holding tank. Each water sample was collected into three EPA-approved, laboratory-supplied 40-ml VOA vials pre-preserved with hydrochloric acid, labeled, placed in a chilled container and transported under standard chain-of-custody protocols to Performance Analytical Laboratories (ELAP No. 2960) of Signal Hill, CA for analysis by EPA Method 8260B.

In late 2014, the current property owner, Coast Plating, Inc. (CPI), informed LEC that it would be installing a second anodizing line within a below-grade concrete containment structure. Dual-phase (Dp) extraction well Dp2, which includes vapor extraction well D2 and groundwater extraction well GE-2, was located within the footprint of the new anodizing line. Therefore, at the request of CPI, both GE-2 and vapor extraction well S2 were properly abandoned under Los Angeles County Department of Health Services Permit No. 893687 on January 3, 2015.

Pumping tests conducted at the site in November 2009 determined that the radius of influence for each of the four remaining groundwater extraction wells (GE-1, GE-3, GE-4, and GE-5) overlap the location of groundwater extraction well GE-2 (*Groundwater and Vapor Extraction Systems and Groundwater Monitoring Well Installation Report*, LEC April 15, 2010). Therefore, operation of the remaining groundwater extraction wells is sufficient to extract groundwater at the former GE-2 location if needed.

3.6 Groundwater Extraction Well Analytical Results

Analytical results for the groundwater extraction well samples collected during Second Half 2018 are tabulated below.

Analytical Results for Groundwater Extraction Wells: Second Half 2018

Sample I.D.	Date Sampled	PCE (µg/l)	TCE (µg/l)	c-1,2-DCE (µg/l)	1,1-DCE (µg/l)	1,1-DCA (µg/l)	1,2-DCA (µg/l)
GE-1	06/04/18	2.54	2.23	<1	<1	<1	<1
	11/12/18	2.7	2.40				
GE-2	GE-2 properly abandoned on January 3, 2015 at the request of Coast Plating						
GE-3	06/04/18	2.67	9.88	<1	<1	<1	<1
	11/12/18	2.50	9.44				
GE-4	06/04/18	1.12	<1	<1	<1	<1	<1
	11/12/18	1.13	<1				
GE-5	06/04/18	4.34	12.5	<1	<1	<1	<1
	11/12/18	4.15	10.7				
GE-6	06/04/18	<50 ^A					
	11/12/18	<100 ^B					
GE-7	06/04/18	348	13	14.8	8.85	<5	<5
	11/12/18	311	10.5	13.6	8.35	<5	<5
GE-8	06/04/18	225	15.3	8.2	20.4	<5	<5
	11/12/18	187	14.8	7.86	16.6	3.94	<2
GE-9	06/04/18	230	16.2	5.9	6.5	<5	<5
	11/12/18	171	12.9	5.24	5.52	<2	<2
GE-10	06/04/18	65	31.4	<1	13.1	<1	<1

Sample I.D.	Date Sampled	PCE (µg/l)	TCE (µg/l)	c-1,2-DCE (µg/l)	1,1-DCE (µg/l)	1,1-DCA (µg/l)	1,2-DCA (µg/l)
GE-10	11/12/18	68.1	32.5	1.06	16	<1	<1
GE-11	06/04/18	222	141	9.2	24.9	<5	<5
	11/12/18	196	121	7.46	22.2	<2	<2
GE-12	06/04/18	44.8	31.6	<1	1.01	2.32	<1
	11/12/18	37.5	31.2	<1	1.03	2.38	<1

A. Reporting Limits for PCE, TCE, DCEs and DCAs are elevated due to the high concentrations of MTBE (10,400 µg/L) and TBA (2,930 µg/L) detected in GE-6 during June 2018 monitoring.

B. Reporting Limits for PCE, TCE, DCEs and DCAs are elevated due to the high concentrations of MTBE (10,100 µg/L) detected in GE-6 during November 2018 monitoring.

Analytical results of groundwater extraction well samples collected since system start-up are presented in Table 6 (Historic Groundwater Extraction Well Analytical Data for VOCs) following the text of this report. Graphs of contaminant concentrations in extraction wells are presented in Attachment V. The Laboratory Report of Analytical Results and Chain-of-Custody Record for the groundwater extraction wells are included as Attachment VI.

3.7 Gasoline Constituents in Groundwater Extraction Wells

During Second Half 2018 monitoring, elevated concentrations of the gasoline additive MTBE (10,100 µg/L) were detected in extraction well GE-6. GE-6 is located approximately 250 feet southeast of the former ANCO site at Gardena Boulevard. Extraction well GE-8, located in the salvage yard approximately 400 feet east-southeast of the former ANCO site, also contained MTBE (203 µg/L).

The concentrations of gasoline additives detected in GE-6 and GE-8 are unrelated to operations at the former ANCO Metal Improvement Company site. Groundwater contours for Second Half 2018 (Figure 4) illustrate the groundwater depression created by the former ANCO Facility's pump-and-treat remediation system. This depression results in off-site groundwater of unknown quality being drawn to extraction wells operating at the periphery (*e.g.*, GE-6 and GE-8). S&M Service Station (T0603701287) and Rocket #3 (T0603701285) are located approximately 1,000 feet west of extraction well GE-6.

3.8 Groundwater Influent Sampling

Groundwater treatment-system influent samples were collected on July 31, August 15, September 10, October 11, November 12 and December 10, 2018. All samples were collected into laboratory-supplied, 40-ml VOA vials pre-preserved with hydrochloric acid from a sampling port located upstream of the system's first liquid carbon bed. The vials were properly labeled, immediately

placed in a chilled container and transported under standard chain-of-custody protocols to Asset Laboratories, Inc. (ELAP No. 2676) or Performance Analytical Laboratories (ELAP No. 2960) for analysis of VOCs by EPA Method 8260B. The Laboratory Reports of Analytical Results and Chain-of-Custody Records for the influent groundwater samples are included as Attachment VII.

3.9 Groundwater Influent Analytical Results

The analytical results for X-VOCs in the groundwater influent samples collected during the last 12 months are presented in the table below. The analytical results for groundwater influent samples collected since system startup in December 2009 are presented in Table 7 (Historic Groundwater Influent Sample Analytical Data for VOCs).

Analytical Results for Groundwater Influent: January 2018 – December 2018

Sample I.D.	Date Sampled	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	1,1-DCE	1,1-DCA	1,2-DCA
Influent	1/10/18	120	26	4.5	<0.5	6.1	1.2	<0.5
Influent	2/13/18	190	20	5.3	<0.5	14	1.5	<0.5
Influent	3/21/18	131	29.6	5.4	<1	9.24	1.8	<1
Influent	4/9/18	120	29	5.4	<0.5	6.2	1.5	<0.5
Influent	5/9/18	120	33	5.9	<0.5	9.8	1.8	0.63
Influent	6/7/18	176	25.6	5.72	<1	9.93	1.41	<1
Influent	7/31/18	140	27	4.5	<0.5	5.8	1.3	<0.5
Influent	8/15/18	130	25	4.9	<0.5	5.5	1.2	<0.5
Influent	9/10/18	81	23	3.4	<0.5	5	0.81	<0.5
Influent	10/11/18	92	22	4.2	<0.5	4.8	1.1	<0.5
Influent	11/12/18	87	19	3.8	<0.5	4.6	1.1	<0.5
Influent	12/10/18	138	31.1	5.79	<1	7.43	1.56	<1
All results presented in micrograms per liter (µg/l)					PCE = Tetrachloroethene			
TCE = Trichloroethene			DCE = Dichloroethene		DCA = Dichloroethane			

4.0 Vapor Sampling

The vapor-extraction system (VES) was put into operation on December 10, 2009. Data discussed in this section were generated from July 1, 2018, through December 31, 2018. With the exception of the first 15 days of July, the VES was not in operation during Second Half 2018.

4.1 Vapor-Extraction Well Sampling

The VES was shut down for a 90-day vapor rebound test on July 16, 2018. Second Half 2018 sampling of the vapor extraction wells was performed on October 16, 2018.

Vapor samples were collected from individual sample ports located upstream of the first granular activated carbon (GAC) bed in the multi-phase extraction (MPE) remediation system. Samples were collected into individual, properly labeled Tedlar bags using a “lung box” and hand-actuated vacuum pump. Samples were immediately transported under standard chain-of-custody to Asset Laboratories (ELAP No. 2676) of Cerritos, CA for analysis using EPA Method TO-15.

In late 2014, the current property owner, CPI, informed LEC that it would be installing a second anodizing line within a below-grade concrete containment structure. Shallow vapor extraction well S2 and dual-phase (Dp) extraction well Dp2 (D2/GE-2) was located within the footprint of the new anodizing line. Therefore, at the request of CPI, both well S2 and well Dp2 were properly abandoned under Los Angeles County, Department of Health Services Permit No. 893687 on January 3, 2015.

Radius of influence testing conducted at the site in January 2010 demonstrated that the radius of influence for each of the four remaining vapor extraction well pairs (S1/D1, S3/D3, S4/D4, and S5/D5) overlap the location of vapor extraction wells S2/D2 (LEC April 15, 2010). Therefore, operation of the remaining vapor extraction wells is sufficient to remediate any impacted soils that may remain at the former S2/D2 location.

4.2 Shallow Vapor Extraction Well Analytical Results

Second Half 2018 vapor sampling was performed on October 16, 2018 after the VES had been shut down for 90 days. PCE continued to be detected in all four shallow extraction wells after the 90-day vapor rebound test: S1 (0.81 µg/l), S2 (abandoned), S3 (0.95 µg/l), S4 (0.31 µg/l), and S5 (2.51 µg/l). Low levels of TCE were detected in three of the four shallow extraction wells during Second Half 2018: S1 (0.02 µg/l), S2 (abandoned), S3 (0.04 µg/l), S4 (<0.01 µg/l), and S5 (0.06 µg/l). As demonstrated in the table below (Analytical Results for Shallow VE Wells: Second Half 2018) the low concentrations of PCE and TCE detected in vapor samples collected on October 16, 2018, after the 90-day shutdown period, are comparable to the concentrations of PCE and TCE detected in samples collected on June 4, 2018, prior to the 90-day shutdown.

Low to trace levels of other VOCs not historically detected in the vapor extraction wells (e.g., 1,1-DCE, cis-1,2-DCE, TCFM, ketones and/or various gasoline constituents) were detected in multiple shallow vapor extraction wells during Second Half 2018 sampling. Cis-1,2-DCE and 1,1-DCE are known degradation products of PCE and TCE. However, as indicated by the analytical results for shallow vapor samples collected since December 2009 (Table 8: Shallow Soil Vapor Extraction Well Analytical Data for VOCs), the Freon-113, TCFM, ketones, gasoline

constituents and other intermittently detected compounds currently detected in shallow vapor samples are unrelated to historic activities at the former ANCO Metal Improvement Company.

The Laboratory Reports of Analytical Results and Chain-of-Custody Records for shallow vapor extraction well samples collected during this reporting period are included as Attachment VIII. The following table lists the analytical results for the shallow extraction well vapor samples collected during the Second Half 2018 reporting period:

Analytical Results for Shallow VE Wells: Second Half 2018

Sample I.D.	Date Sampled	PCE (µg/l)	TCE (µg/l)	All Other VOCs
S1	06/04/18 ¹	0.56	0.012	See Lab Report
	10/16/18 ¹	0.81	0.02	See Lab Report
S2	Vapor Extraction Well S2 Properly Abandoned January 3, 2015			
S3	06/04/18 ¹	0.75	0.03	See Lab Report
	10/16/18 ¹	0.95	0.04	See Lab Report
S4	06/04/18 ¹	0.36	0.004	See Lab Report
	10/16/18 ¹	0.31	<0.01	See Lab Report
S5	06/04/18 ¹	2.11	0.01	See Lab Report
	10/16/18 ¹	2.51	0.06	See Lab Report
Shallow vapor extraction wells screened 15 to 35 feet bgs. Results presented in micrograms per liter (µg/l). 1. Samples collected on 6/4/18 were collected prior to the 90-day vapor rebound test. Samples collected on 10/16/18 were collected after the 90-day vapor rebound test.				

Shallow vapor extraction well locations and the Second Half 2018 analytical data for the wells are depicted in Figure 14 (Shallow and Deep Vapor Extraction Well Analytical Results). Analytical results since system start-up are presented in Table 8 (Shallow Vapor Extraction Well Analytical Data for VOCs). Graphs of contaminant concentrations over time for shallow vapor extraction wells S1 through S5 are included as Attachment IX.

4.3 Deep Vapor Extraction Well Analytical Results

Second Half 2018 vapor sampling was performed on October 16, 2018 after the VES had been shut down for 90 days. Low levels of PCE were detected in three of the four deep extraction wells after the 90-day vapor rebound test: D1 (0.14 µg/l), D2 (abandoned), D3 (<0.01 µg/l), D4 (0.14 µg/l), and D5 (2.0 µg/l). Low levels of TCE were detected in two of the four deep extraction wells during Second Half 2018: D1 (0.02 µg/l), D2 (abandoned), D3 (<0.01 µg/l), D4 (<0.01 µg/l), and D5 (0.05 µg/l). As demonstrated in the table below (Analytical Results for

Deep VE Wells: Second Half 2018) the low concentrations of PCE and TCE detected in vapor samples collected on October 16, 2018, after the 90-day shutdown period, are comparable to the concentrations of PCE and TCE detected in samples collected on June 4, 2018, prior to the 90-day shutdown.

Low to trace levels of other VOCs not historically detected in the vapor extraction wells (*e.g.*, 1,1-DCE, cis-1,2-DCE, Freon-113, TCFM, ketones and/or various gasoline constituents) were detected in multiple deep vapor extraction wells during Second Half 2018 sampling. Cis-1,2-DCE and 1,1-DCE are known degradation products of PCE and TCE. However, as indicated by the analytical results for deep vapor samples collected since December 2009 (Table 9: Deep Soil Vapor Extraction Well Analytical Data for VOCs), the Freon-113, TCFM, ketones, gasoline constituents and other intermittently detected compounds currently detected in shallow vapor samples are unrelated to historic activities at the former ANCO Metal Improvement Company.

The Laboratory Reports of Analytical Results and Chain-of-Custody Records for deep vapor extraction well samples collected during this reporting period are included as Attachment VIII. The following table lists the analytical results for the deep extraction well vapor samples collected during the Second Half 2018 reporting period:

Analytical Results for Deep VE Wells: Second Half 2018

Sample I.D.	Date Sampled	PCE (µg/l)	TCE (µg/l)	All Other VOCs
D1	06/04/18 ¹	1.30	0.02	See Lab Report
	10/16/18 ¹	0.14	0.02	See Lab Report
D2	Vapor Extraction Well D2 Properly Abandoned January 3, 2015			
D3	06/04/18 ¹	1.1	0.058	See Lab Report
	10/16/18 ¹	<0.01	<0.01	See Lab Report
D4	06/04/18 ¹	0.32	0.016	See Lab Report
	10/16/18 ¹	0.14	<0.01	See Lab Report
D5	06/04/18 ¹	0.70	0.006	See Lab Report
	10/16/18 ¹	2.0	0.05	See Lab Report
Deep vapor extraction wells screened 45 to 60 feet bgs. All results in micrograms per liter (µg/l). 1. Samples collected on 6/4/18 were collected prior to the 90-day vapor rebound test. Samples collected on 10/16/18 were collected after the 90-day vapor rebound test.				

Deep vapor extraction well locations and the Second Half 2018 analytical data for the extraction wells are depicted in Figure 14 (Shallow and Deep Vapor Extraction Well Analytical Results). Analytical results since system start-up are presented in Table 9 (Deep Vapor Extraction Well Analytical Data for VOCs). Graphs of contaminant concentrations over time for deep extraction wells D1 through D5 are include in Attachment X.

4.4 Influent Vapor Sampling

Second Half 2018 vapor influent sampling was performed on July 16, 2018 only. The VES was shut down after the July 16, 2018 sampling, for a 90-day vapor rebound test. The VES was re-started on October 16, 2018 and vapor samples collected from individual extraction wells (See Sections 4.2 and 4.3 above). Based on the rebound test analytic results, a work plan for a formal vapor-rebound test and confirmation sampling will be submitted to the LA-RWQCB during First Quarter 2019.

The influent vapor sample was collected into a properly labeled Tedlar bag at a sample port located upstream of the first granular activated carbon (GAC) bed in the vapor-extraction system using a “lung box” and hand-actuated vacuum pump. The sample was delivered under standard chain-of-custody protocols to Asset Laboratories (ELAP No. 2676) for analysis of VOCs using EPA Method TO-15. The Laboratory Report of Analytical Results and Chain-of-Custody Record for the influent vapor sample is included in Attachment XI.

4.5 Influent Vapor Sampling Analytical Results

The following table shows laboratory analytical results for vapor influent samples collected during 2018 are presented in the table below:

Analytical Results for Vapor Influent: January 2018 - July 2018

Sample I.D.	Date Sampled	PCE ppbv (µg/l)	TCE ppbv (µg/l)	1,1-DCE ppbv (µg/l)	All Other VOCs	
Influent	01/10/18	211 (1.43)	<100 (<0.54)	<100 (<0.4)	See Lab Report	
	1/25/18	VES shut down for GAC change-out; re-started 2/6/18				-----
	02/08/18	244 (1.66)	<100 (<0.54)	<100 (<0.4)	Acetone - 190	
	03/19/18	185 (1.25)	<100 (<0.54)	<100 (<0.4)	Acetone - 309	
	04/09/18	290 (1.97)	<100 (<0.54)	<100 (<0.4)	Acetone - 160	
	05/09/18	360 (2.44)	<100 (<0.54)	<100 (<0.4)	Acetone - 320 2-Butanone - 140	
	06/07/18	VES shut down for GAC change-out; re-started 7/5/18				-----

Sample I.D.	Date Sampled	PCE ppbv (µg/l)	TCE ppbv (µg/l)	1,1-DCE ppbv (µg/l)	All Other VOCs
Influent	07/16/18	<100 (<0.68)	<100 (<0.54)	<100 (<0.4)	ND for All
	07/16/18	VES shut down for 90-Day vapor Rebound Test			
Influent vapor samples were analyzed for VOCs by Method TO-15 and reported by the laboratory as ppbv; results in this table are presented in both ppbv and micrograms per liter (µg/l).					

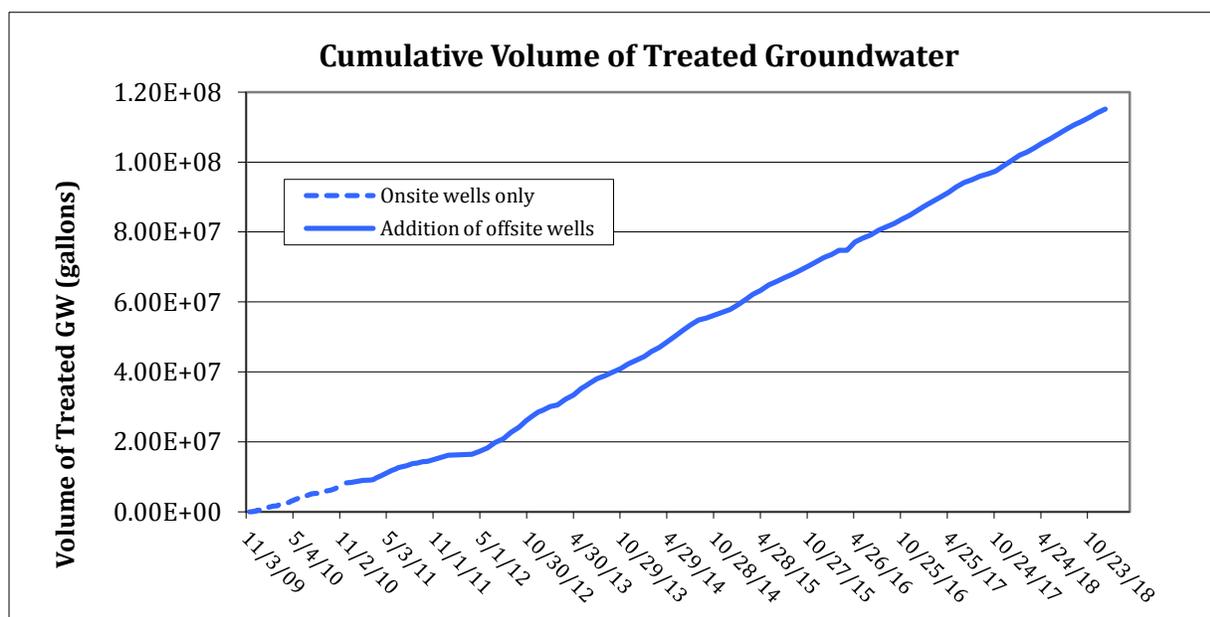
Acetone and/or 2-Butanone have been detected in some monthly vapor-influent samples collected during 2018. These substances are unrelated to operations by the former ANCO Metal Improvement Company. Influent vapor sample analytical results since system start-up are presented in Table 10 (Historic Influent Vapor Sample Analytical Data for VOCs) following the text of this report.

5.0 Remediation System Operation

The data in this section were generated between July 1, 2018 and December 31, 2018.

5.1 Volume of Groundwater Treated

Approximately 7,253,100 gallons of groundwater were treated during the Second Half of 2018. The average daily discharge of treated groundwater to the sanitary sewer for the Second Half 2018 was approximately 39,400 gallons per day. As of December 31, 2018, approximately 115,187,000 gallons of groundwater have been treated since system start-up in November 2009. The graph below indicates the cumulative volume of groundwater treated since system start-up.



5.2 Sanitation Districts of Los Angeles County Industrial Waste Permit

The groundwater extraction system operated under Sanitation Districts of Los Angeles County's (SDLAC) five-year Industrial Wastewater Discharge Permit No. 21560 which expires on May 4, 2021. The site's industrial waste discharge permit allows a daily average flow limit of 46,500 gallons per day ($\pm 25\%$). The average daily flow to the sanitary sewer for Second Half 2018 was approximately 39,400 gallons per day.

As specified in the permit, an effluent groundwater sample is collected semi-annually and analyzed by an SDLAC-approved laboratory (*i.e.*, Enthalpy Analytical, Inc.). The Laboratory Report of Analytical Results and Chain-of-Custody Record for this semi-annual SDLAC effluent sample collected on October 2, 2018, is included in Attachment XII (Laboratory Report of Analytical Results and Chain-of-Custody Record County Sanitation Districts of Los Angeles County). All effluent sample analytes were below their applicable limits specified in the permit (*e.g.*, TTO Volatile <1,000 $\mu\text{g/l}$; TTO Semi-Volatile <1,000 $\mu\text{g/l}$).

5.3 SCAQMD

Permit to Construct/Operate No. G2915, issued by the SCAQMD for the soil-vapor extraction system (SVES), contains the following operating conditions:

- 1. The total flow rate shall not exceed 140 standard cubic feet per minute (SCFM).*

The system was in compliance. See table below.

- 2. The temperature at the inlet of the carbon adsorbers shall not exceed 145 degrees Fahrenheit.*

The system was in compliance. See table below.

- 3. The inlet concentration of total organic compounds to the carbon adsorption system shall not exceed 1,050 parts per million by volume (ppmv), as Hexane.*

Weekly inlet concentrations are measured using a photo-ionization detector (PID). The system was in compliance. See table below.

VES Monitoring Data – Second Half 2018

Monitoring Date	Flow Rate <i>NTE</i> 140 SCFM	Temperature (° Fahrenheit) <i>NTE 145° F</i>	Inlet Concentration <i>NTE 1050 ppmv</i> (as hexane)
6/7/18	VES shut down for GAC change-out; re-started 7/6/18		
7/06/18	91	88	25.3
7/11/18	89	83	8.9
7/16/18	88	80	7.7
7/16/18	VES shut down for Preliminary Rebound Testing		

NTE - Not to exceed

4. *Whenever the TOC concentration at the outlet of the secondary absorber indicates a control efficiency of less than 90 percent or reaches 10 ppmv as hexane, then the carbon shall be replaced...*

The system was in compliance during Second Half 2018 operations.

5. *The concentrations of the following compounds measured at the outlet of the vapor extraction system (exhaust to atmosphere) shall not exceed the following:*

Chemical	Outlet Concentration (ppmv)
TOC, as Hexane	10
PCE	0.15
TCE	0.02
Chloroform	0.01

The VES was shutdown on June 7, 2018, for GAC change-out and re-started on July 5, 2018. The effluent was sampled on July 16, 2018, after which the system was shut down for a 90-day vapor rebound test. The system was in compliance for the month of July 2018.

The Laboratory Reports of Analytical Results and Chain-of-Custody Records for the vapor effluent samples are included in Attachment XI (Laboratory Report of Analytical Results and Chain-of-Custody Record Vapor Influent and Effluent).

5.4 Vapor PCE Removal

Vapor PCE removal calculations are based on monthly analytical results collected from a sample port located upstream of the first carbon vessel in the vapor extraction system. Contaminant

removal rates are based on the average airflow rate calculated for each month from weekly measurement. The following table shows the cumulative total of VOCs removed since December 10, 2009.

PCE Removed from Vapors to Date

Month of Sample Collection	Average Concentration (ppbv)	Duration (days)	PCE Removed (pounds)	Cumulative PCE (pounds)
December 2009 through December 2017				273.67
January 2018	211	17.17	0.19	273.86
February 2018	244	8.67	0.10	273.96
March 2018	185	19.9	0.19	274.15
April 2018	290	29	0.43	274.58
May 2018	360	31	0.64	275.22
June 2018	360	3.4	0.07	275.29
July 2018	<100	9.2	-----	275.29
ppbv = parts per billion by volume.				

As the VES was removing approximately 0.01 pounds per 24 hours of operation during First Half 2018, the VES was shut down on July 16, 2018, for a 90-day vapor rebound test. After the 90-day shut down period, the individual vapor extraction wells were sampled and the system re-evaluated based on the detected vapor concentrations (see discussion in Sections 4.2 and 4.3 above).

A table depicting the cumulative total of PCE removed from the subsurface as vapors on a month-by-month basis can be found in Table 11 (PCE Removal Rates for Vapors) following the text of this report.

5.5 Groundwater PCE Removal

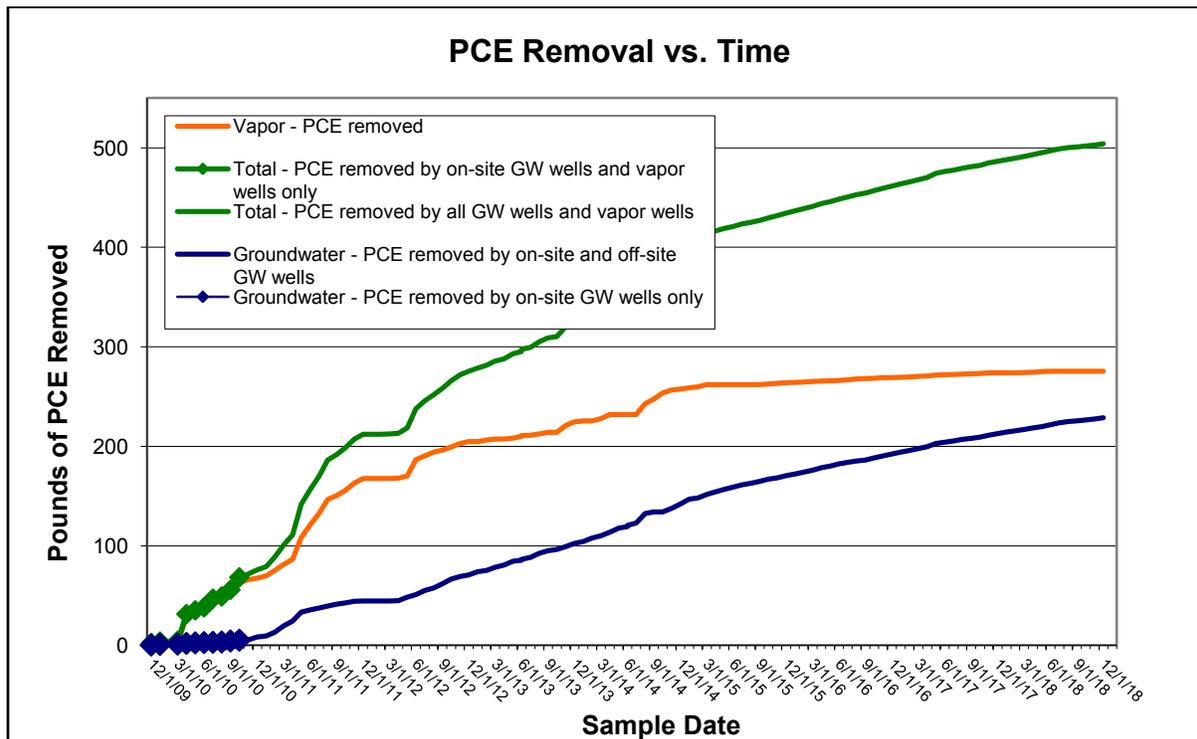
PCE removal from groundwater is calculated using monthly analytical results and the quantity of groundwater extracted for the corresponding month. The following table shows the cumulative total of PCE removed from groundwater since November 16, 2009:

PCE Removed from Groundwater to Date

Month of Sample Collection	Average PCE Concentration	Quantity of Groundwater	PCE Removed	Cumulative PCE
	(µg/L)	(Gallons)	(Pounds)	(Pounds)
December 2009 through June 2018				221.82
July 2018	140	1,420,100	1.66	223.47
August 2018	130	1,299,800	1.41	224.88
September 2018	81	955,200	0.65	225.52
October 2018	92	1,158,100	0.89	226.41
November 2018	87	1,220,900	0.89	227.30
December 2018	138	1,134,900	1.31	228.60

µg/L = micrograms per Liter or parts per billion (ppb).

A table depicting the cumulative total of PCE removed from groundwater on a month-by-month basis can be found following the text of this report (Table 12: PCE Removal Rates for Groundwater). Tables contained in Sections 5.6 and 5.7 above indicate that between system start-up on December 15, 2009, and December 31, 2018, approximately 229 pounds of PCE were removed from the groundwater and vapor beneath the site. The graph below illustrates the rate of VOC removal and the relative contributions of groundwater and vapor-phase VOC removal:



5.6 Action Items Required

The LA-RWQCB has approved a work plan to install additional monitoring wells down-gradient of MW-18 A/C/D (*Approval of Work Plan for Installing Additional Offsite Down-Gradient Monitoring Wells*, LA-RWQCB, July 20, 2018). Representatives of the Responsible Parties are currently in negotiations with a down-gradient property owner for access to install the approved wells (*Approval of Time Extension Request*, LA-RWQCB, December 28, 2018).

The groundwater pump-and-treat system was started in December 2009. Beginning in August 2015, increasing concentrations of the gasoline constituent MTBE have been detected in groundwater extraction well GE-6 and monitoring wells MW-11A and MW-11B; these wells are located south-southeast of the facility at Gardena Boulevard. Second Half 2018 groundwater monitoring data for MTBE detected in GE-6 (10,100 µg/L), MW-11B (3,340 µg/L), MW-12C (1.32 µg/L) and MW-12D (4.61 µg/L) were reviewed along with monitoring data for PCE detected in GE-6 (<100 µg/L), MW-11B (24.4 µg/L), MW-12C (3.35 µg/L) and MW-12D (2.09 µg/L). Based on the increasing levels of MTBE and the stable, relatively low levels of PCE, GE-6 will not be re-started during First Half 2019. This decision will be re-visited after the collection and review of First Half 2019 groundwater monitoring data.

5.7 Action Items Completed

LEC received LA-RWQCB approval of the May 1, 2015 *Remedial Action Plan [RAP] for Down-Gradient Groundwater* on September 7, 2016. Access to the adjacent salvage yard property is required to implement the RAP as proposed. Despite continual attempts over the last several years, including multiple on- and off-site meetings with the property owner and negotiations between counsels, the property owner for the adjacent salvage yard has not agreed to provide the Responsible Party with access. The property owner had not been responding to repeated requests to provide comments on the proposed access agreement, despite providing assurances that a response was forthcoming. As a result, the representatives of the Responsible Party requested LA-RWQCB assistance in obtaining access to the property (*Access Issues for 317-333 West Gardena Boulevard*, Greenberg Glusker, February 12, 2018 and June 14, 2018). Due to the LA-RWQCB's assistance, the owner for the adjacent salvage yard site resumed providing comments to the proposed access agreement. However, the owner still has not agreed to provide access. If the owner continues not to provide access, representatives of the Responsible Party will ask for the LA-RWCQB's assistance.

6.0 Trends

Trends observed in the concentrations of VOCs in the groundwater and vapor samples from the groundwater and vapor-extraction wells are discussed in this section.

6.1 Groundwater

The quantity of groundwater extracted is limited by the industrial waste discharge restrictions imposed under Sanitation Districts of Los Angeles County Permit No. 20593. Historic depth-to-water measurements indicate that the groundwater treatment system has created and maintained a groundwater depression beneath the site; this groundwater depression extends beneath the adjacent down-gradient property.

Based on the analytical results for on-site monitoring wells MW1 through MW8, source-area groundwater extraction wells GE-1 – GE-5 and off-site groundwater extraction well GE6, LEC is currently concentrating groundwater extraction activities down-gradient of the former source area by operating source-area well GE-1 and non-source area extraction wells GE-7 through GE-12 only. Second Half 2018 depth-to-water measurements indicate that the groundwater depression continues to be centered down-gradient of the former ANCO facility, and that “clean” up- and cross-gradient groundwater is being pulled onto the subject property by the current pumping network. Groundwater extraction well GE-1 is being operated to provide hydraulic control for the chromium contamination currently emanating from CPI’s chrome anodizing line.

Analytical data collected from on-site and off-site groundwater monitoring wells and extraction wells indicate that the contaminant mass is being reduced by remedial activities at the site.

6.2 Vapor

Between system start-up in December 2009 and October 2018 monitoring, significant reductions in PCE vapor concentrations have been observed in each of the four remaining shallow vapor extraction wells: S1 (2,200 µg/l → 0.81 µg/l), S3 (260 µg/l → 0.95 µg/l), S4 (310 µg/l → 0.31 µg/l), and S5 (1,700 µg/l → 2.51 µg/l). Shallow extraction well S2 exhibited similar reductions (1,200 µg/l → 2.2 µg/l) prior to its removal in January 2015.

Other VOCs not historically detected in the vapor extraction wells (*e.g.*, TCFM, ketones and/or various gasoline constituents) were detected in multiple shallow vapor extraction wells during First Quarter 2018 sampling. These concentrations are unrelated to historic operations of the former ANCO Metal Improvement Company (Table 8: Shallow Soil Vapor Extraction Well Analytical Data).

Between system start-up in December 2009 and Second Quarter 2018 monitoring, significant reductions in PCE vapor concentrations have been observed in each of the four remaining deep vapor extraction wells: D1 (95 µg/l → 0.14 µg/l), D3 (150 µg/l → ND <0.01), D4 (110 µg/l →

0.14 µg/l), and D5 (64 µg/l → 2.0 µg/l). Deep extraction well D2 exhibited similar reductions (49 µg/l → ND <0.034 µg/l) prior to its removal in January 2015.

Other VOCs not historically detected in the vapor extraction wells (*e.g.*, Freon-113, TCFM, ketones and/or various gasoline constituents) were detected in multiple deep vapor extraction wells during Second Quarter 2018 sampling. These concentrations are unrelated to historic operations of the former ANCO Metal Improvement Company (Table 9: Deep Soil Vapor Extraction Well Analytical Data).

7.0 Conclusions

Based on the Second Half 2018 analytical data for individual vapor extraction wells, the soil-vapor extraction system continues to remove small amounts of PCE vapors from the subsurface in each of the eight operating vapor extraction wells. However, as the VES was only removing approximately 0.01 pounds of PCE per 24 hours of operation during the First Half 2018, LEC shut down the VES for a 90-day vapor rebound test. Based on the rebound test analytic results (Tables in Sections 4.2 and 4.3), a work plan for a formal vapor-rebound test and confirmation sampling will be submitted to the LA-RWQCB during First Quarter 2019.

Based on the Second Half 2018 analytical data for individual groundwater extraction and monitoring wells, the groundwater extraction system continues to reduce the mass of PCE present in groundwater. Groundwater extraction activities continue to be primarily focused on PCE impacts down-gradient of the facility (*i.e.*, non-source extraction wells GE-7 through GE-12). Depth-to-water measurements indicate that the groundwater depression continues to be centered down-gradient of the former ANCO facility, and that “clean” up- and cross-gradient groundwater is being pulled onto the subject property by the adjusted pumping network.

I, Leeann Davis, President of San Pasqual Fiduciary Trust Company, a California corporation, interim trustee of the Michael J. Quagletti and Peggy M. Quagletti Trust dated May 10, 1980 (“Trust”), appointed pursuant to that order dated March 18, 2011 of the Los Angeles County Superior Court, Case No. BP123670, do hereby declare, under penalty of perjury under the laws of the State of California, that the Trust formerly co-owned an indirect interest in the Former ANCO Metal Improvement Company property located at 417 West 164th Street, Carson, CA 90248, that I am authorized to attest to the veracity of the information contained in the *Second Half 2018 Groundwater Monitoring and Groundwater/Soil Vapor-Extraction Systems Operations Report*, dated January 15, 2019 (“Report”) as follows: I have reviewed the Report and to my knowledge based solely on the representation of Leymaster Environmental Consulting, LLC, the information contained in the Report, is true and correct, and that this declaration was executed in Los Angeles, California, on January 8, 2019.



Leeann Davis, President of San Pasqual Fiduciary Trust Company, a California corporation, interim trustee of the Michael J. Quagletti and Peggy M. Quagletti Trust dated May 10, 1980

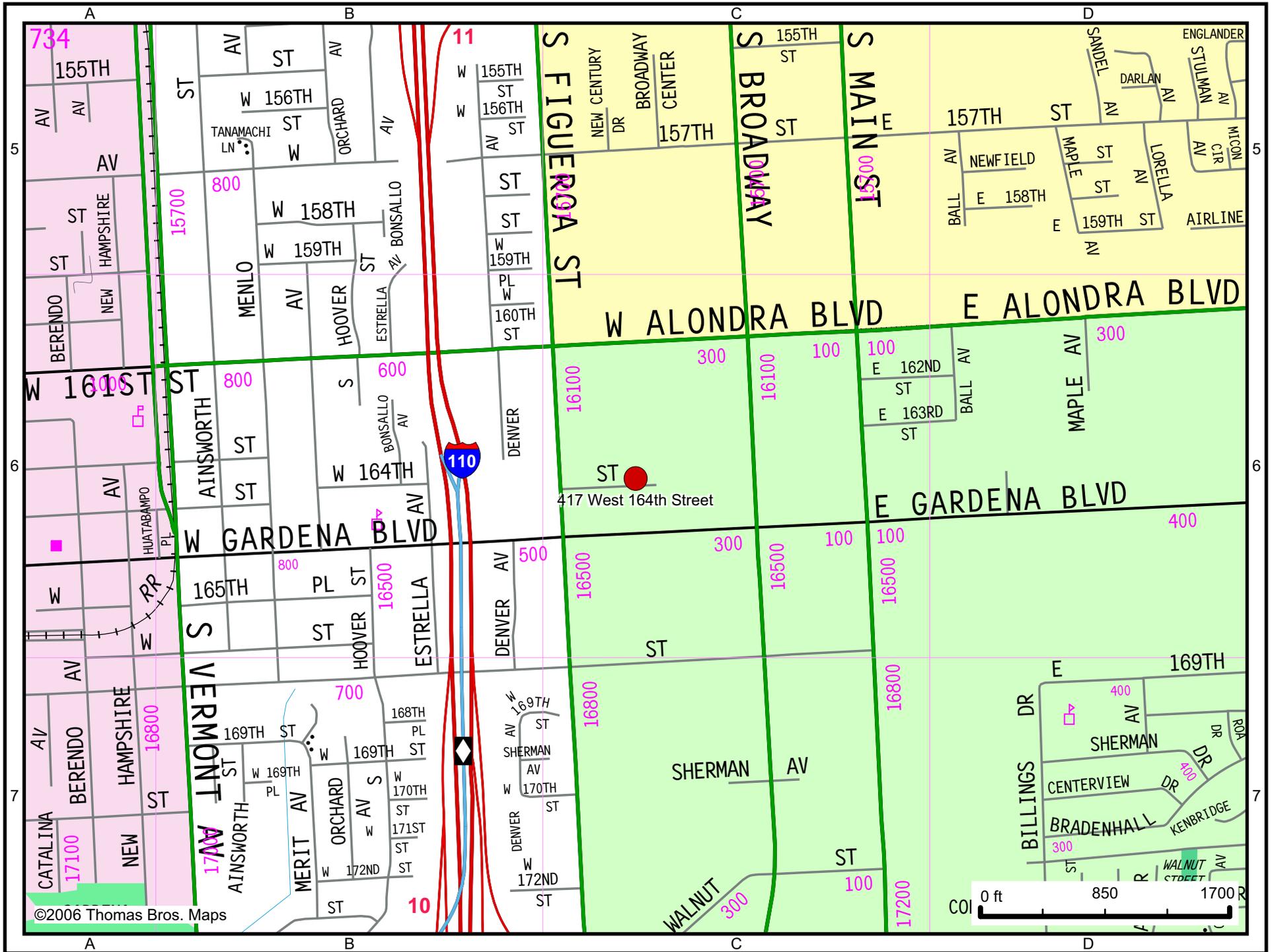
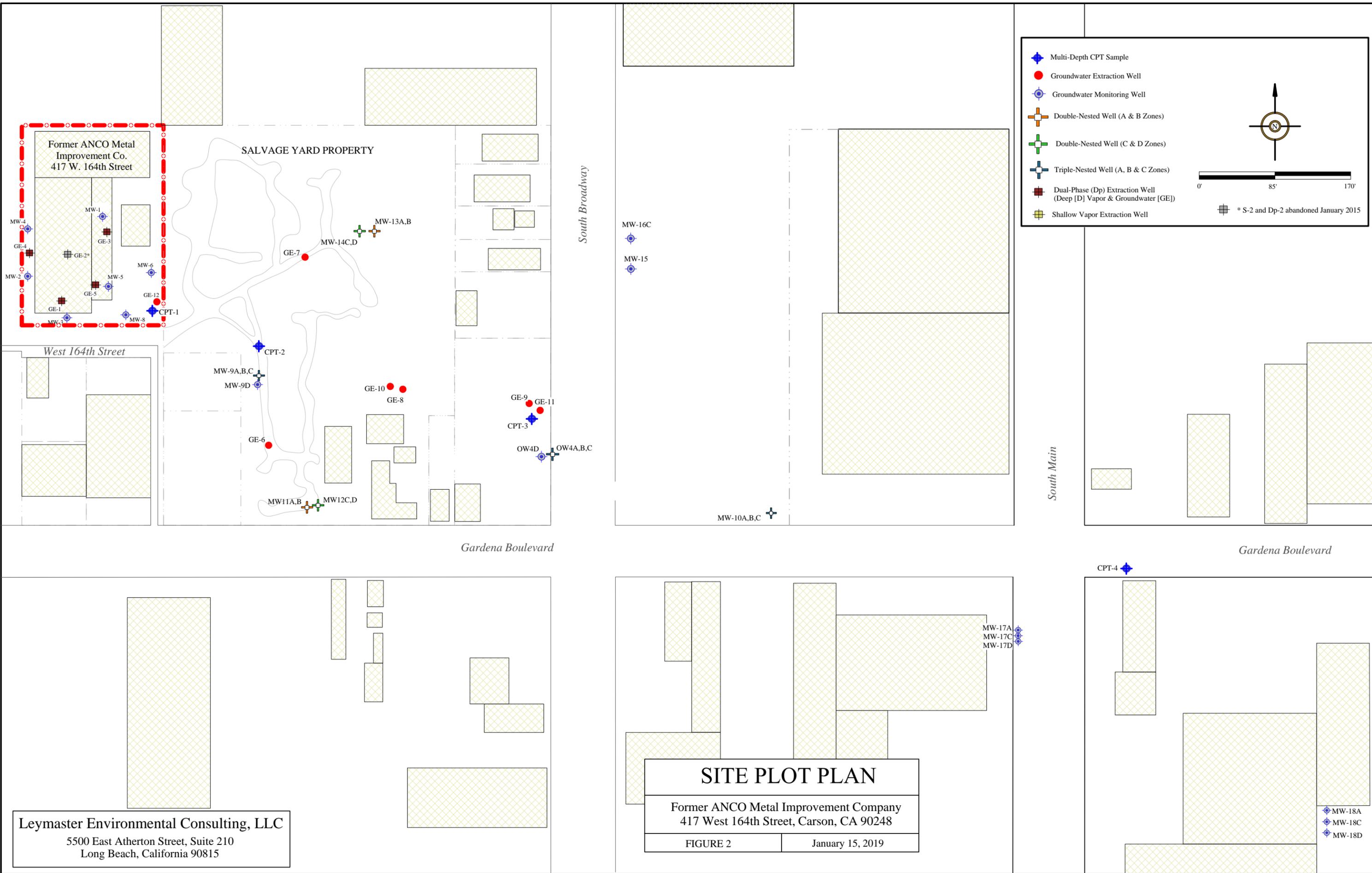


Figure 1: Local Area Map



◆ Multi-Depth CPT Sample
 ● Groundwater Extraction Well
 ● Groundwater Monitoring Well
 ⊕ Double-Nested Well (A & B Zones)
 ⊕ Double-Nested Well (C & D Zones)
 ⊕ Triple-Nested Well (A, B & C Zones)
 ⊕ Dual-Phase (Dp) Extraction Well (Deep [D] Vapor & Groundwater [GE])
 ⊕ Shallow Vapor Extraction Well

0' 85' 170'
 * S-2 and Dp-2 abandoned January 2015

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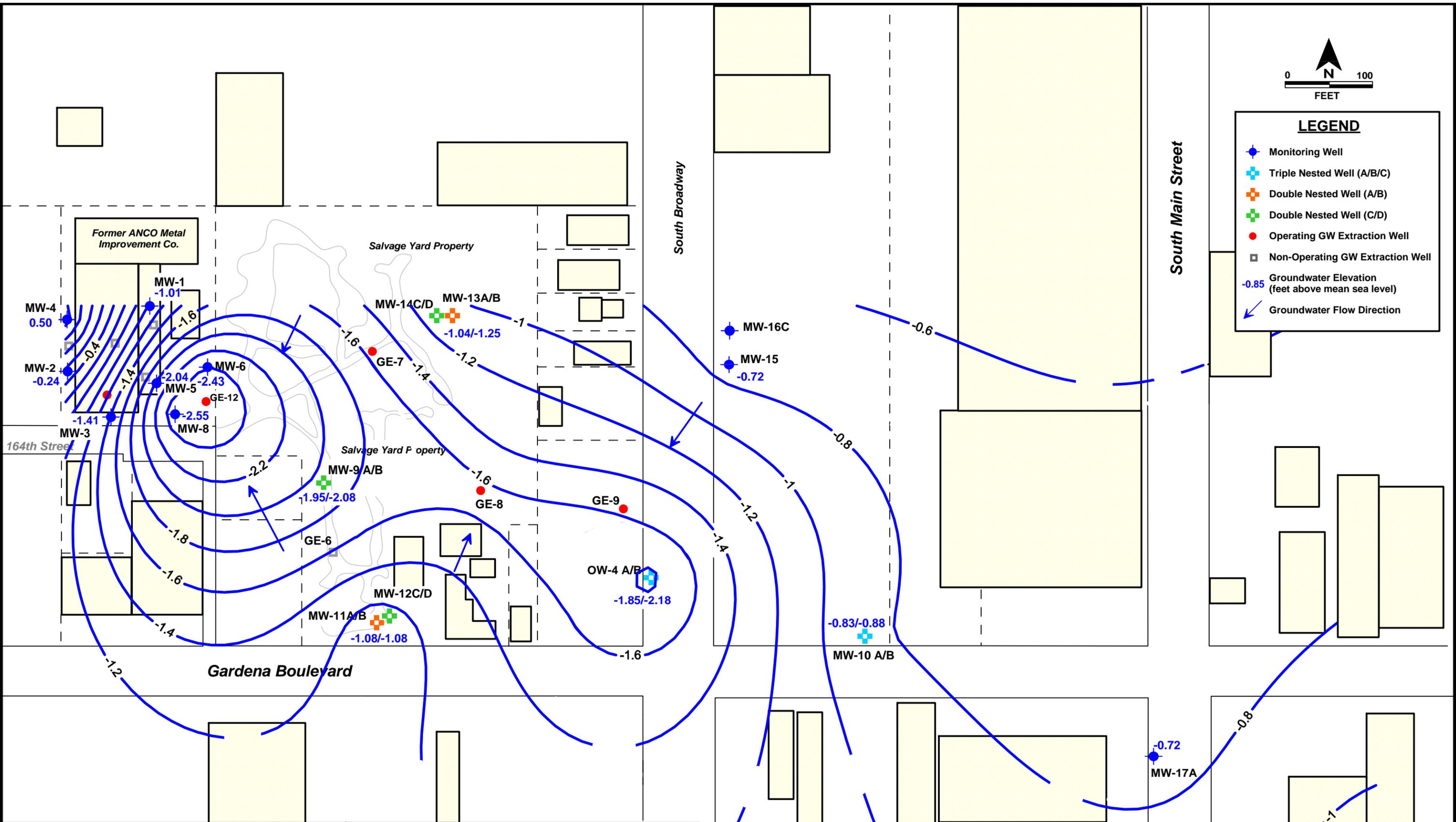
SITE PLOT PLAN
 Former ANCO Metal Improvement Company
 417 West 164th Street, Carson, CA 90248
 FIGURE 2 January 15, 2019

● MW-18A
 ● MW-18C
 ● MW-18D



LEGEND

- ◆ Monitoring Well
- ⊕ Triple Nested Well (A/B/C)
- ⊕ Double Nested Well (A/B)
- ⊕ Double Nested Well (C/D)
- Operating GW Extraction Well
- Non-Operating GW Extraction Well
- 0.85 Groundwater Elevation (feet above mean sea level)
- ↙ Groundwater Flow Direction



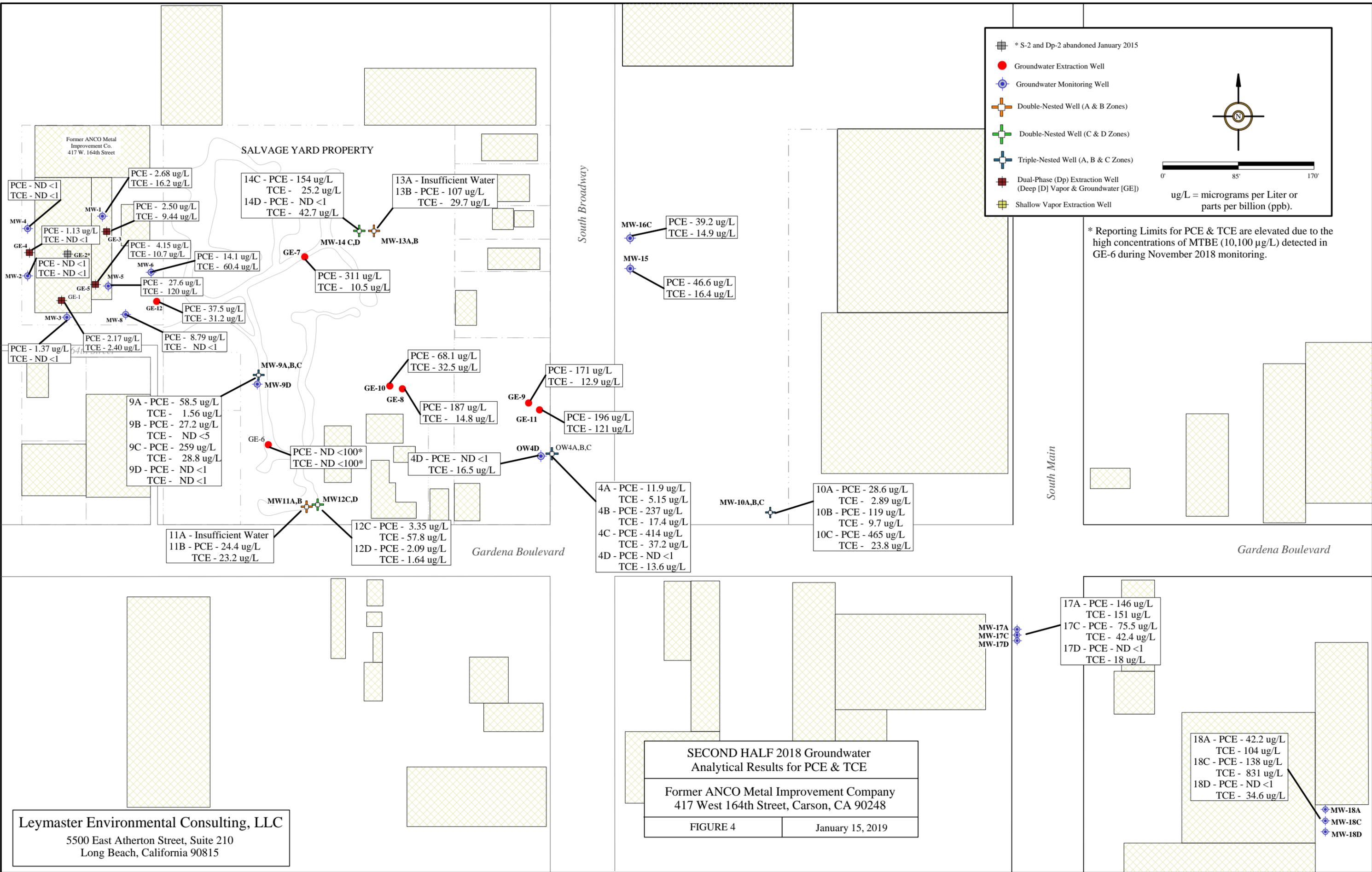
LEYMASTER ENVIRONMENTAL CONSULTING, LLC
 5500 East Atherton Street, Suite 210
 Long Beach, California 90815
 Phone: (562) 799-9866
 Fax: (562) 799-1963

**SECOND HALF 2018
 A-ZONE GROUNDWATER CONTOURS**

Former ANCO Metal Improvement Company
 417 West 164th Street, Carson, CA 90248

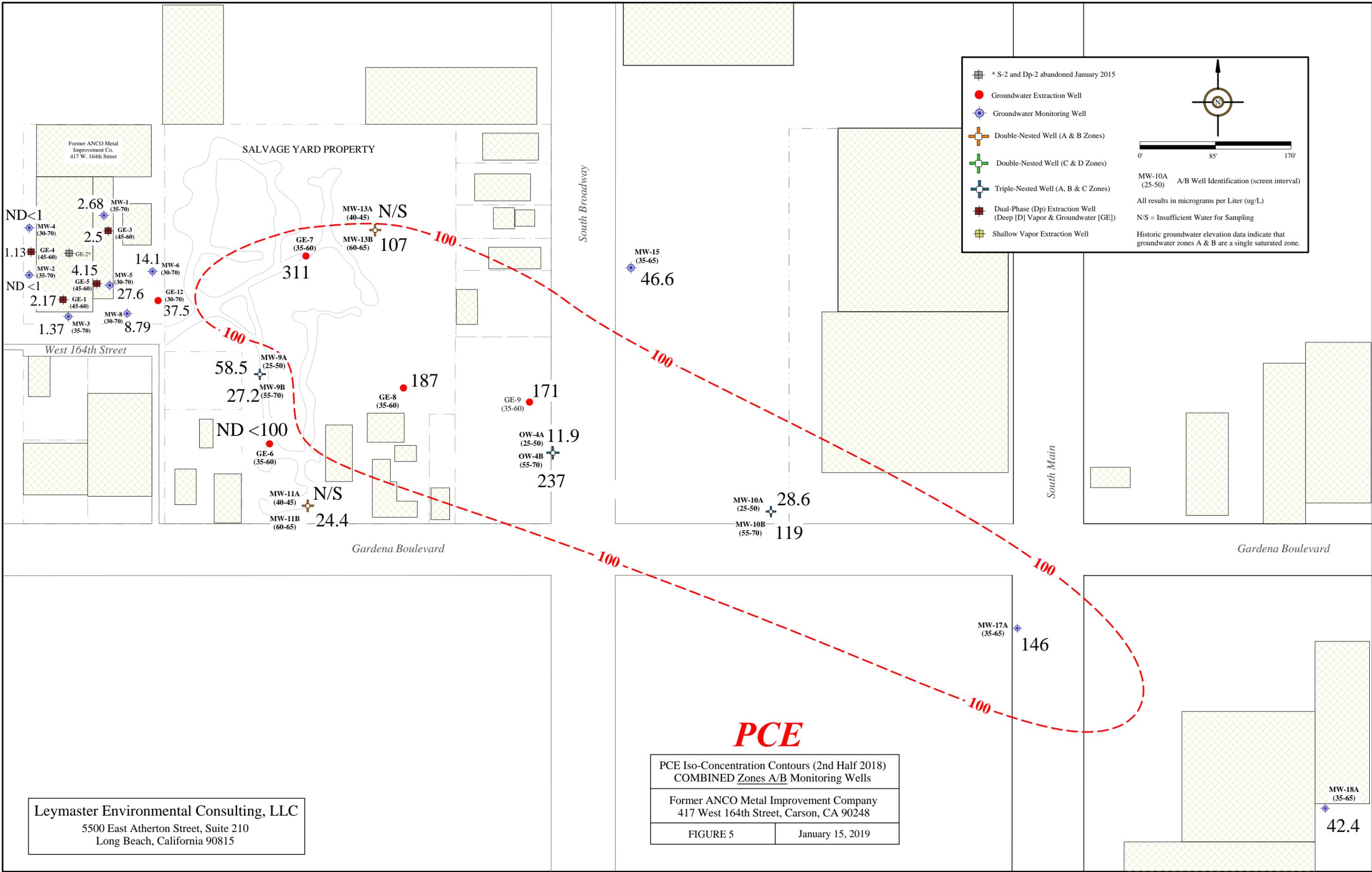
FIGURE 3

JANUARY 15, 2019



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SECOND HALF 2018 Groundwater Analytical Results for PCE & TCE
Former ANCO Metal Improvement Company
 417 West 164th Street, Carson, CA 90248
 FIGURE 4 January 15, 2019



* S-2 and Dp-2 abandoned January 2015

- Groundwater Extraction Well
- Groundwater Monitoring Well
- ⊕ Double-Nested Well (A & B Zones)
- ⊕ Double-Nested Well (C & D Zones)
- ⊕ Triple-Nested Well (A, B & C Zones)
- ⊕ Dual-Phase (Dp) Extraction Well (Deep [D] Vapor & Groundwater [GE])
- ⊕ Shallow Vapor Extraction Well

MW-10A A/B Well Identification (screen interval) (25-50)

All results in micrograms per Liter (ug/L)

N/S = Insufficient Water for Sampling

Historic groundwater elevation data indicate that groundwater zones A & B are a single saturated zone.

Former ANCO Metal Improvement Co.
417 W. 164th Street

SALVAGE YARD PROPERTY

South Broadway

South Main

Gardena Boulevard

Gardena Boulevard

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PCE

PCE Iso-Concentration Contours (2nd Half 2018)
COMBINED Zones A/B Monitoring Wells

Former ANCO Metal Improvement Company
417 West 164th Street, Carson, CA 90248

FIGURE 5	January 15, 2019
----------	------------------

ND < 1

2.68

2.5

1.13

4.15

ND < 1

2.17

1.37

14.1

27.6

8.79

37.5

311

107

58.5

27.2

ND < 100

187

171

11.9

237

N/S

24.4

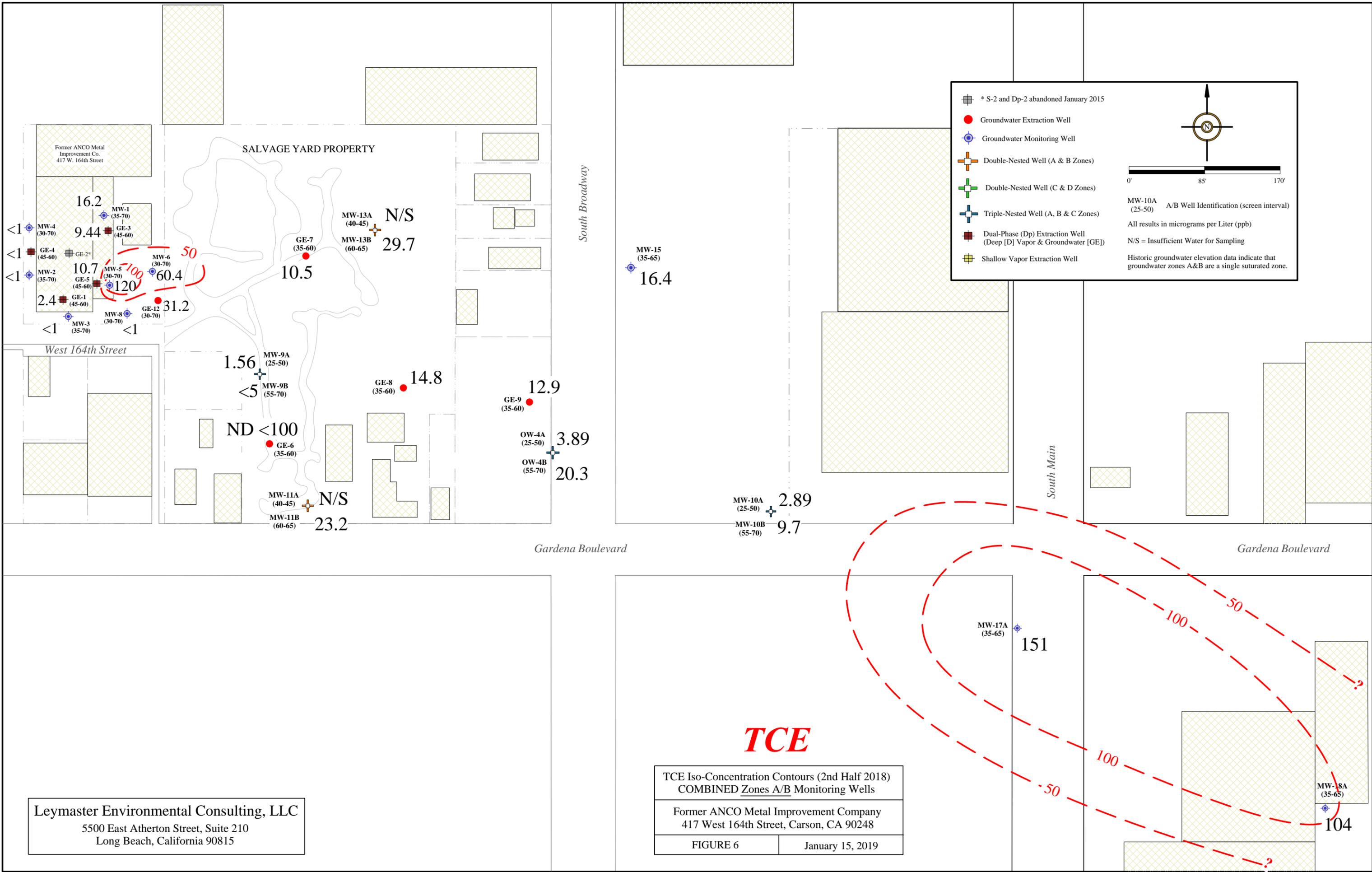
MW-15
(35-65)
46.6

MW-10A
(25-50)
28.6

MW-10B
(55-70)
119

MW-17A
(35-65)
146

MW-18A
(35-65)
42.4

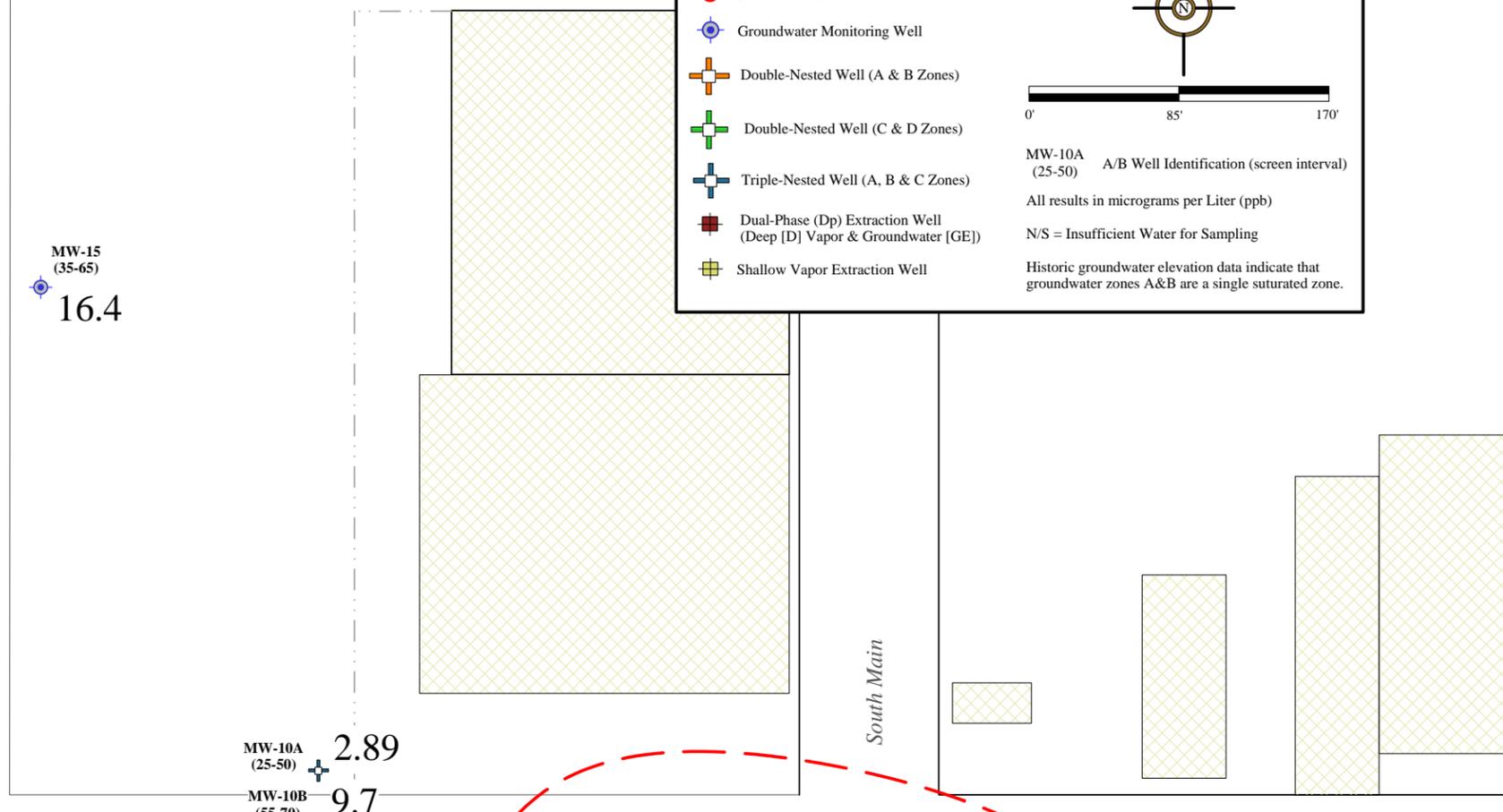
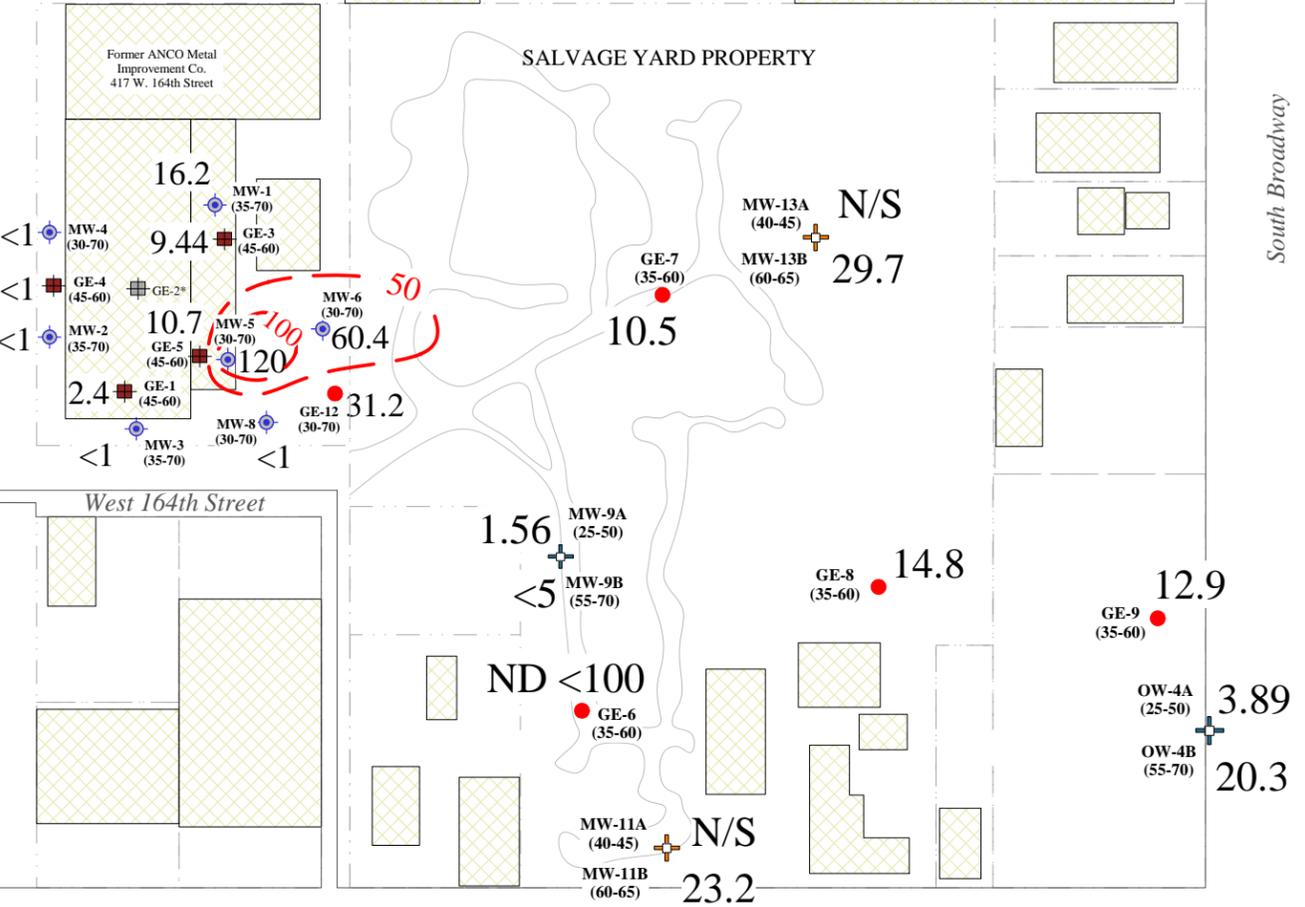


* S-2 and Dp-2 abandoned January 2015

- Groundwater Extraction Well
- Groundwater Monitoring Well
- Double-Nested Well (A & B Zones)
- Double-Nested Well (C & D Zones)
- Triple-Nested Well (A, B & C Zones)
- Dual-Phase (Dp) Extraction Well (Deep [D] Vapor & Groundwater [GE])
- Shallow Vapor Extraction Well

MW-10A A/B Well Identification (screen interval)
 All results in micrograms per Liter (ppb)
 N/S = Insufficient Water for Sampling
 Historic groundwater elevation data indicate that groundwater zones A&B are a single saturated zone.

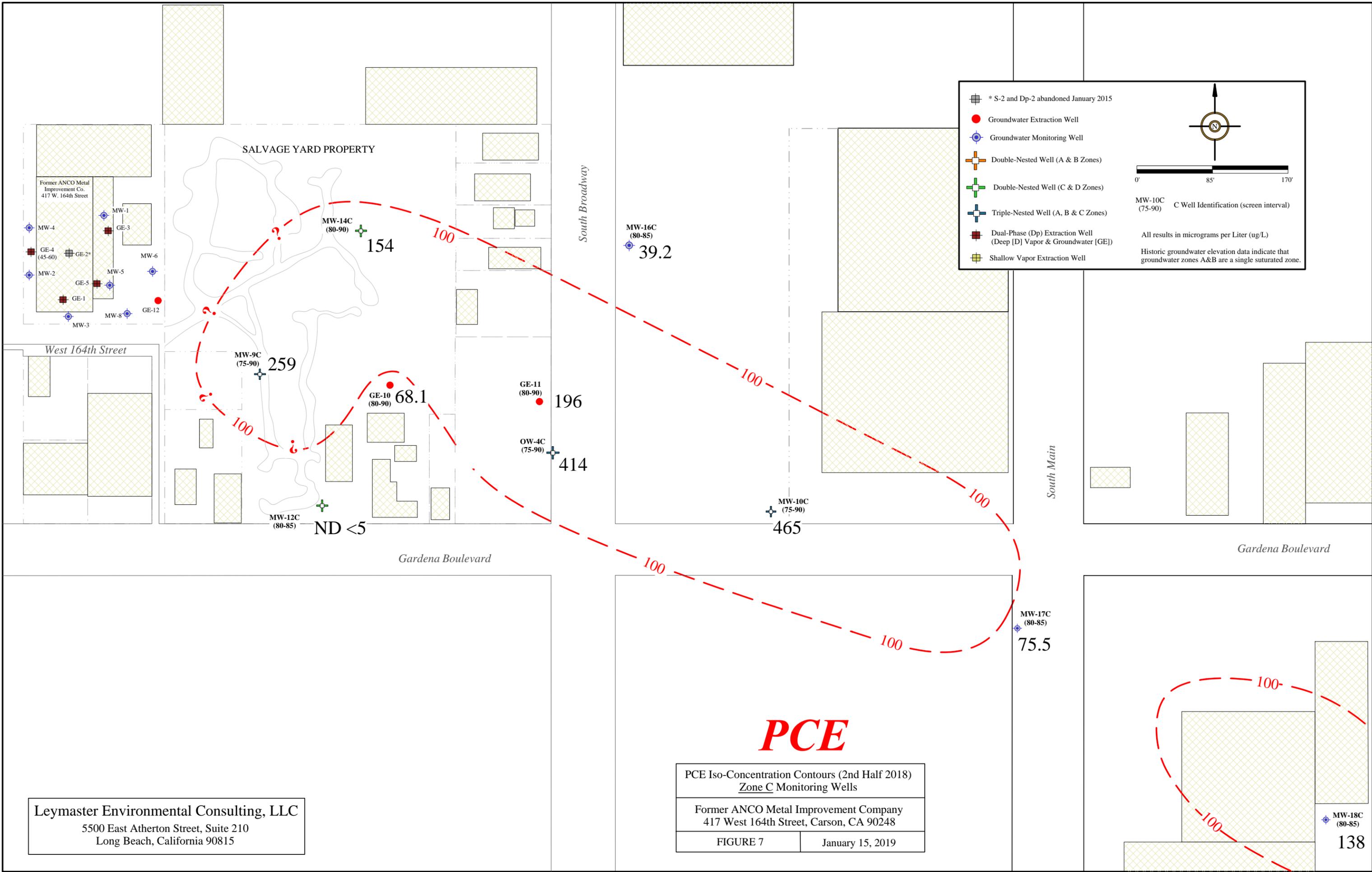
0' 85' 170'



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TCE Iso-Concentration Contours (2nd Half 2018)
 COMBINED Zones A/B Monitoring Wells
 Former ANCO Metal Improvement Company
 417 West 164th Street, Carson, CA 90248
 FIGURE 6 January 15, 2019

TCE



* S-2 and Dp-2 abandoned January 2015

- Groundwater Extraction Well
- Groundwater Monitoring Well
- Double-Nested Well (A & B Zones)
- Double-Nested Well (C & D Zones)
- Triple-Nested Well (A, B & C Zones)
- Dual-Phase (Dp) Extraction Well (Deep [D] Vapor & Groundwater [GE])
- Shallow Vapor Extraction Well

0' 85' 170'

MW-10C (75-90) C Well Identification (screen interval)

All results in micrograms per Liter (ug/L)

Historic groundwater elevation data indicate that groundwater zones A&B are a single saturated zone.

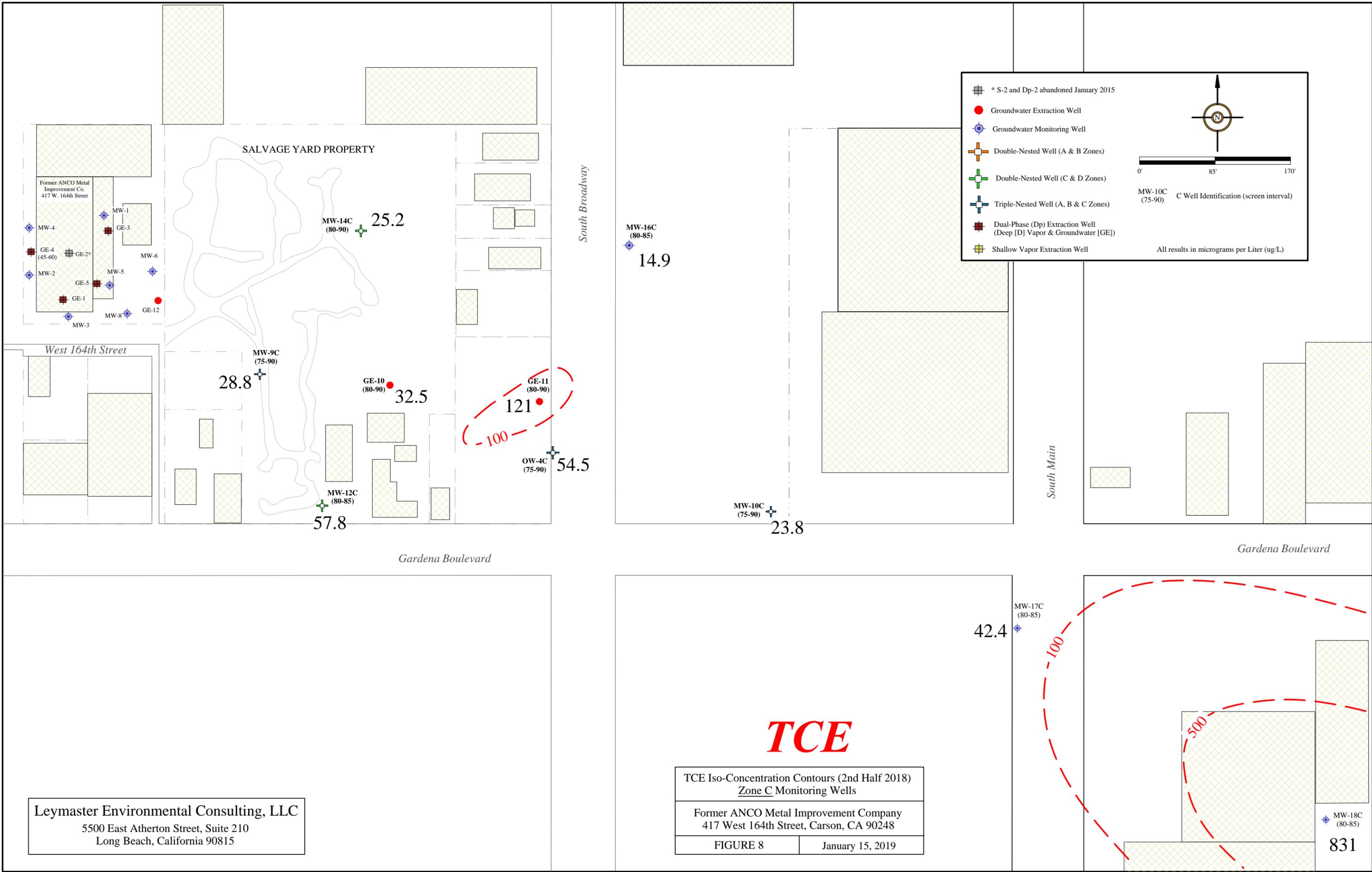
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PCE

PCE Iso-Concentration Contours (2nd Half 2018)
 Zone C Monitoring Wells

Former ANCO Metal Improvement Company
 417 West 164th Street, Carson, CA 90248

FIGURE 7 January 15, 2019



* S-2 and Dp-2 abandoned January 2015

- Groundwater Extraction Well
- Groundwater Monitoring Well
- Double-Nested Well (A & B Zones)
- Double-Nested Well (C & D Zones)
- Triple-Nested Well (A, B & C Zones)
- Dual-Phase (Dp) Extraction Well (Deep [D] Vapor & Groundwater [GE])
- Shallow Vapor Extraction Well

North arrow and scale bar (0, 85, 170 feet).

MW-10C (75-90) C Well Identification (screen interval)

All results in micrograms per Liter (ug/L)

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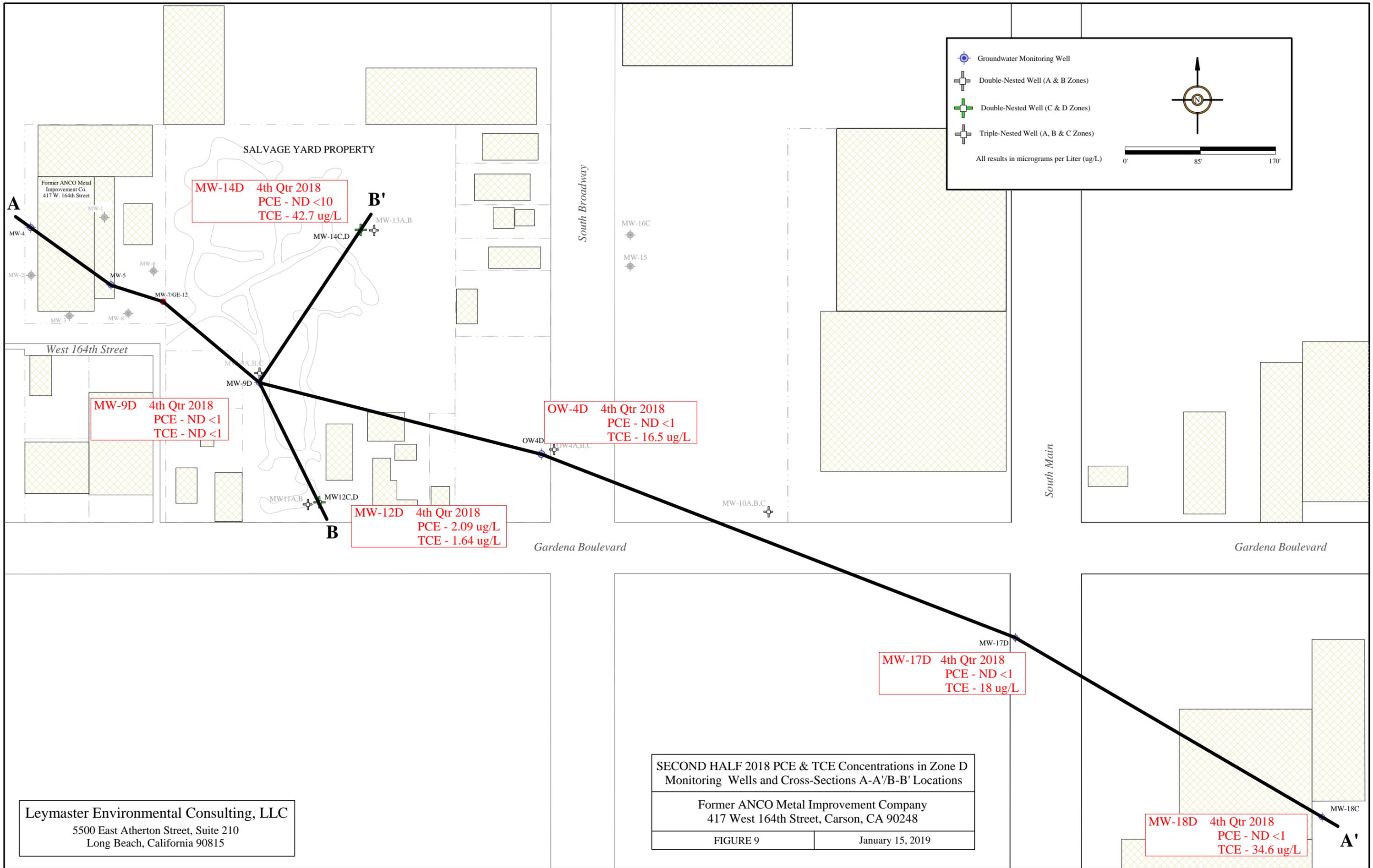
TCE Iso-Concentration Contours (2nd Half 2018)
 Zone C Monitoring Wells

Former ANCO Metal Improvement Company
 417 West 164th Street, Carson, CA 90248

FIGURE 8	January 15, 2019
----------	------------------

TCE

831

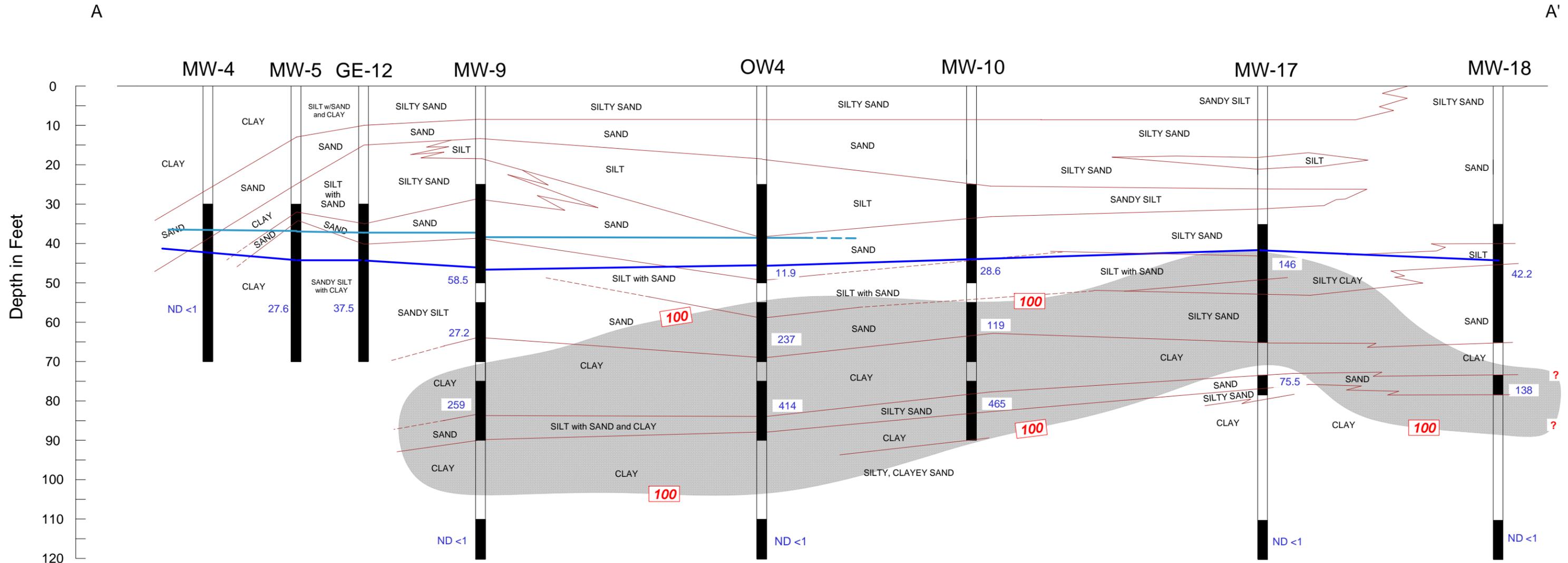
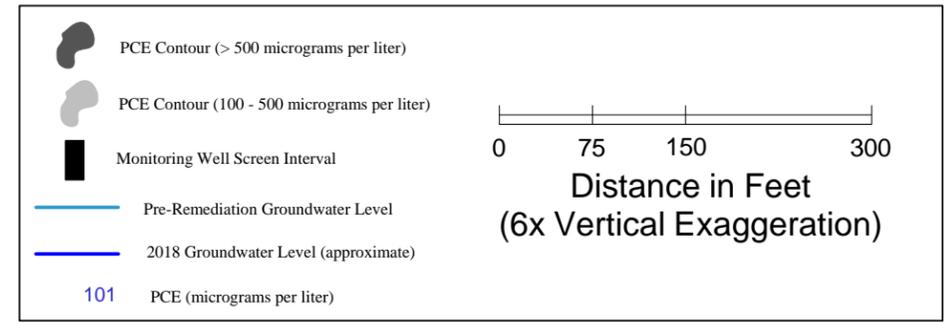


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SECOND HALF 2018 PCE & TCE Concentrations in Zone D
 Monitoring Wells and Cross-Sections A-A'/B-B' Locations

Former ANCO Metal Improvement Company
 417 West 164th Street, Carson, CA 90248

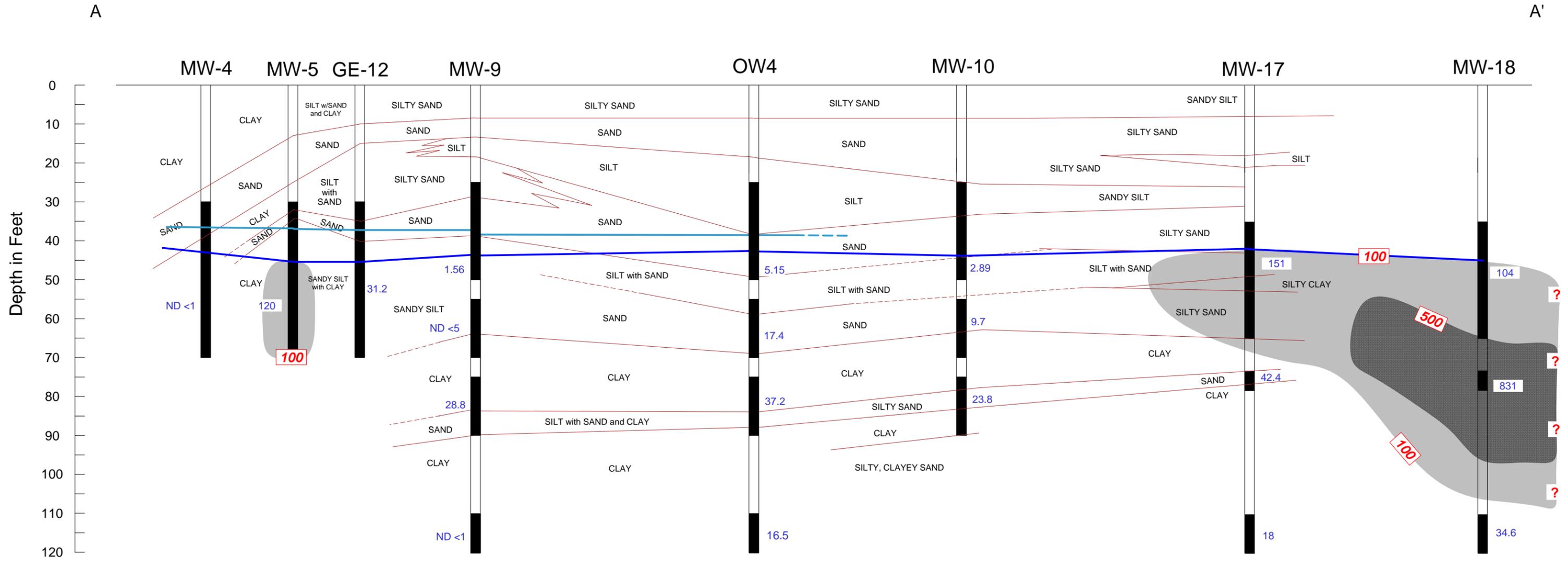
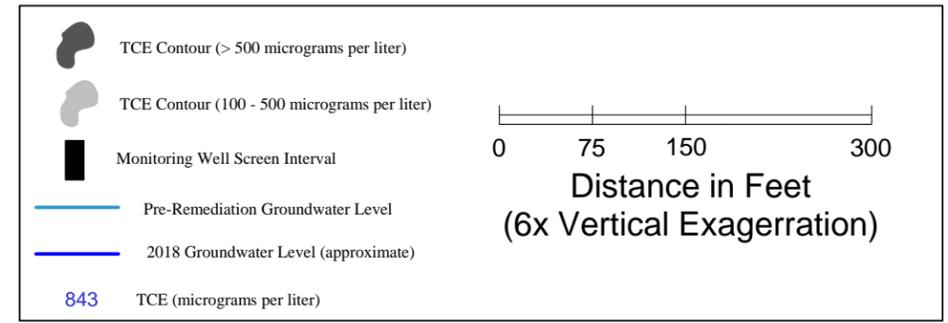
FIGURE 9	January 15, 2019
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PCE

View North: Cross Section A - A'
 4th Qtr 2018 PCE Iso-Concentration Contours
 Former ANCO Metal Improvement Company
 417 West 164th Street, Carson, CA 90248
 FIGURE 10 January 15, 2019



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TCE

View North: Cross Section A - A'
 4th Qtr 2018 TCE Iso-Concentration Contours
 Former ANCO Metal Improvement Company
 417 West 164th Street, Carson, CA 90248
 FIGURE 11 January 15, 2019

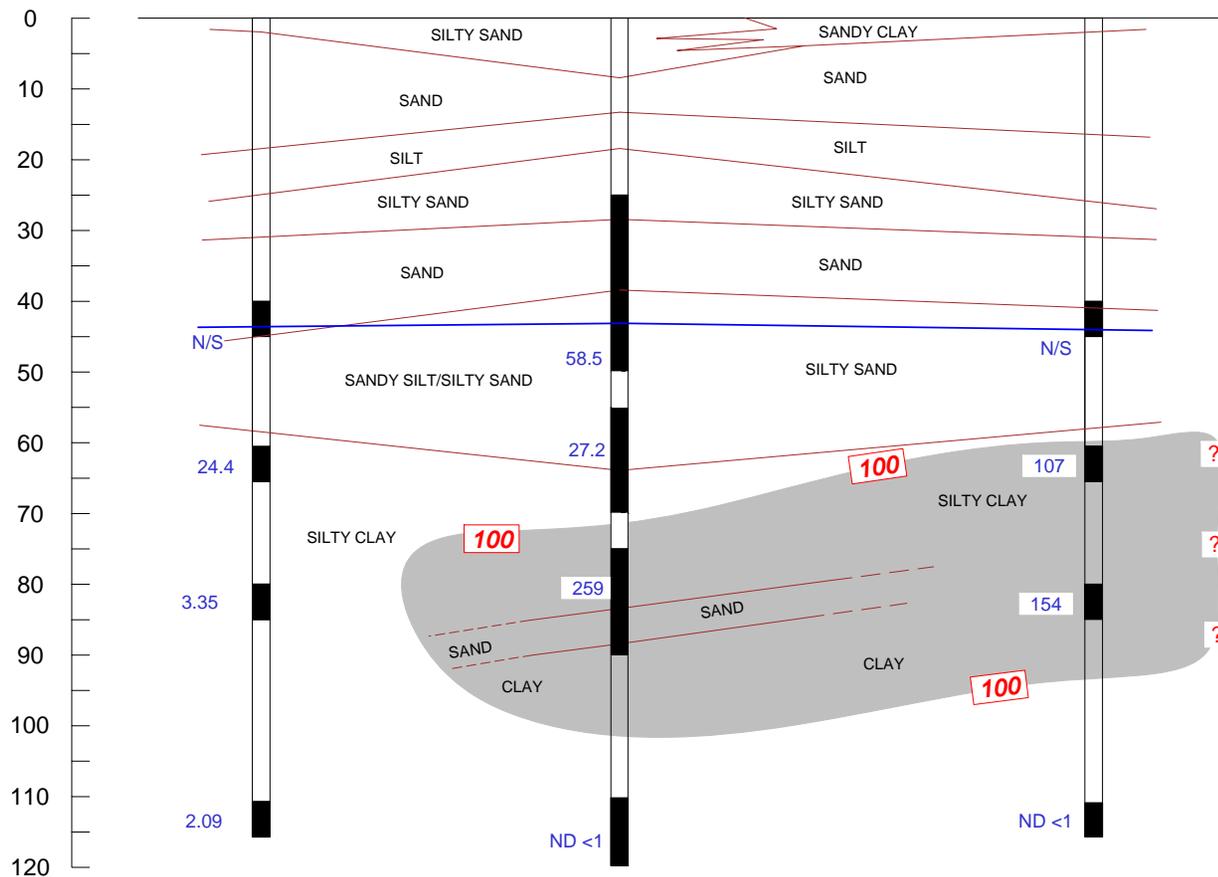
B

B'

MW-11/12

MW-9

MW-13/14



LEGEND

- PCE Contour (> 500 micrograms per liter)
- PCE Contour (100 - 500 micrograms per liter)
- Monitoring Well Screen Interval
- PCE (micrograms per liter [ug/L])
- 2018 Groundwater Level (approximate)
- N/S = Insufficient Water for Sampling

**Distance in Feet
(4x Vertical Exaggeration)**

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PCE

View Northwest: Cross Section B - B'
 4th Qtr 2018 PCE Iso-Concentration Contours

Former ANCO Metal Improvement Company
 417 West 164th Street, Carson, CA 90248

FIGURE 12

January 15, 2019

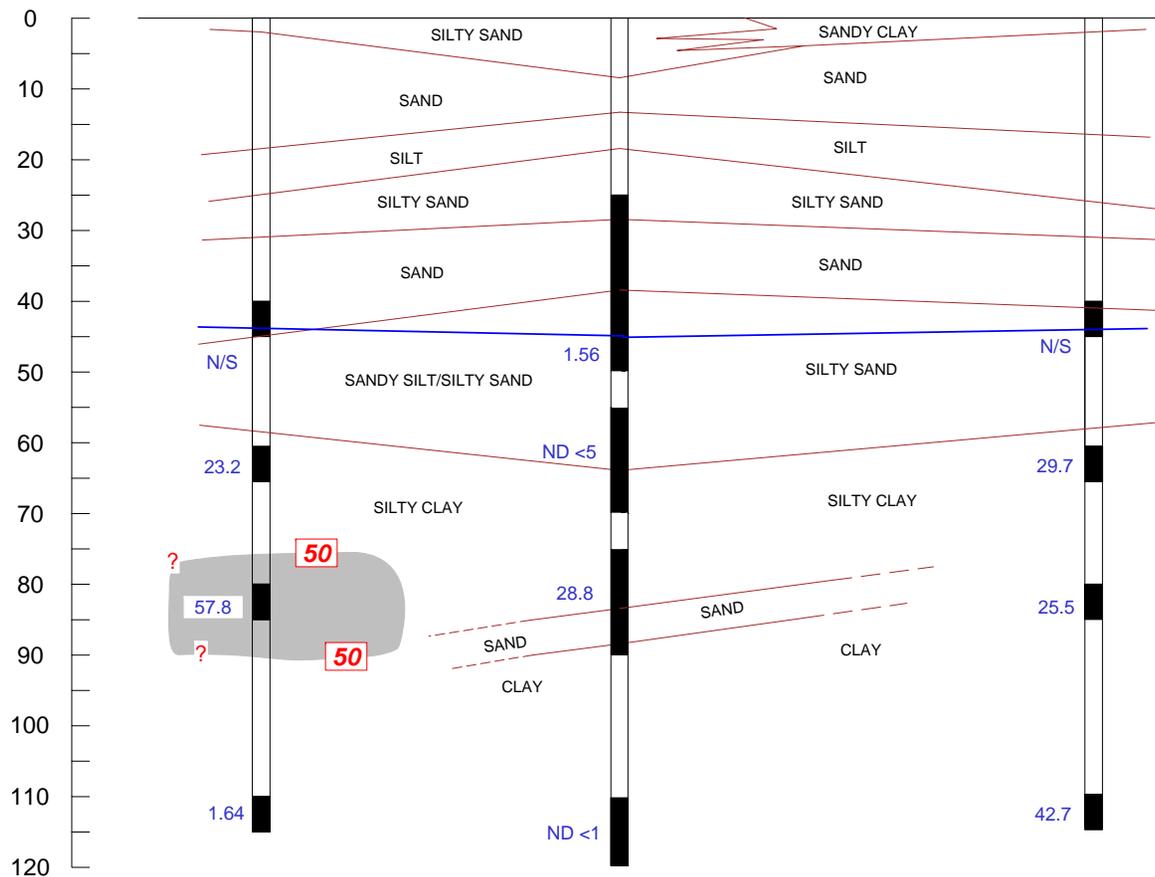
B

B'

MW-11/12

MW-9

MW-13/14



LEGEND

- TCE Contour (> 100 micrograms per liter)
- TCE Contour (50 - 100 micrograms per liter)
- Monitoring Well Screen Interval
- TCE (micrograms per liter [ug/L])
- 2018 Groundwater Level (approximate)
- N/S = Insufficient Waste for Sampling

Distance in Feet
(4x Vertical Exaggeration)

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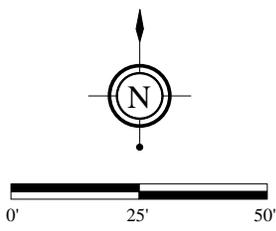
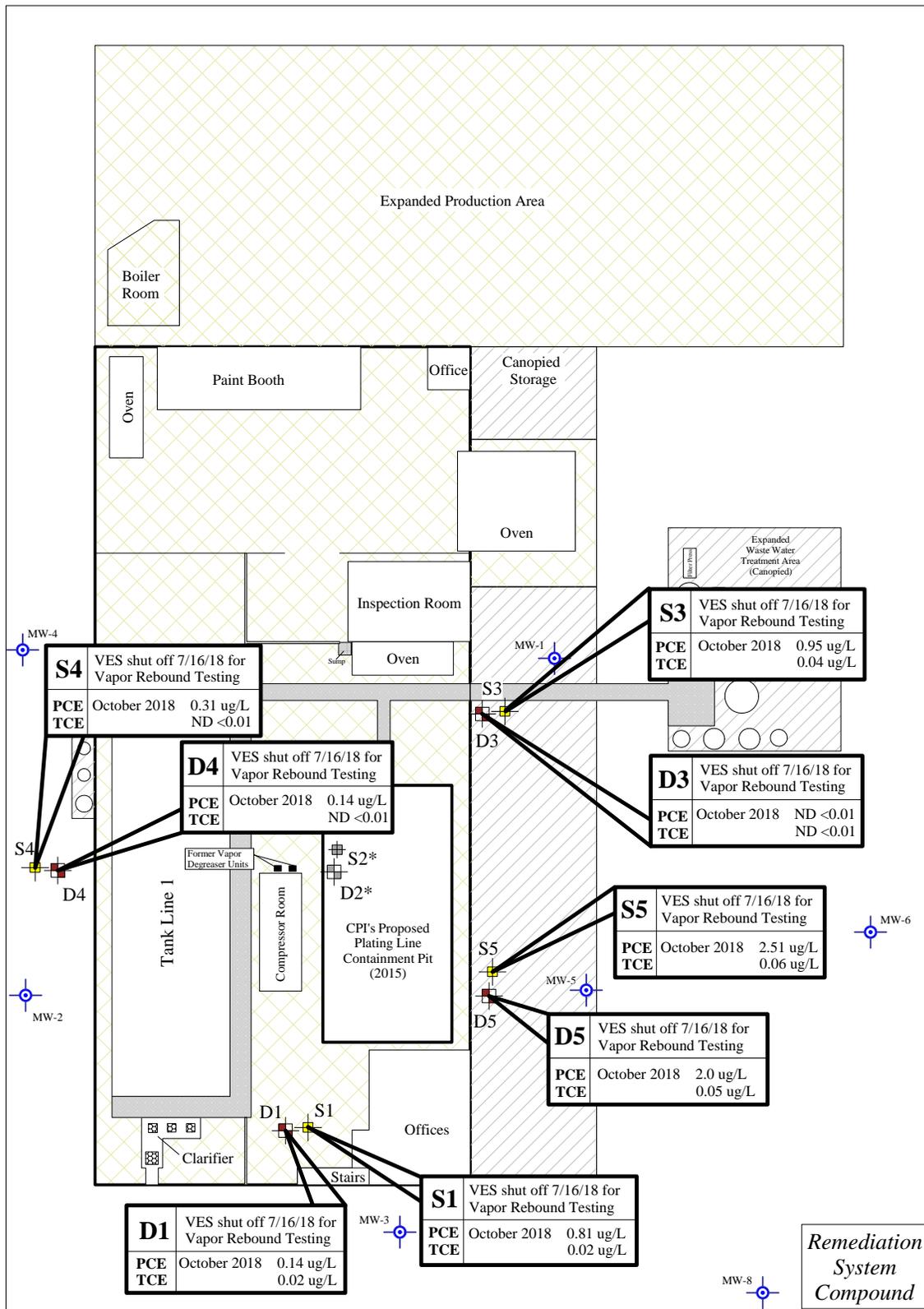
TCE

View Northwest: Cross Section B - B'
 4th Qtr 2018 TCE Iso-Concentration Contours

Former ANCO Metal Improvement Company
 417 West 164th Street, Carson, CA 90248

FIGURE 13

January 15, 2019



Shallow and Deep Vapor Extraction Well Analytical Results - SECOND Half 2018

- LEGEND**
- Shallow Vapor Extraction Well ("S" screened 15'-35' bgs)
 - Deep Dual-Phase Vapor Extraction Well ("D" screened 45'-60' bgs)
 - Groundwater Monitoring Well
 - * S-2/Dp-2 abandoned January 2015 at the request of Coast Plating, Inc.
- ug/L = micrograms per Liter

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(562) 799-9866

Former ANCO Metal Improvement Company
417 West 164th Street, Carson, CA 90248

FIGURE 14 January 15, 2019

Table 1
Groundwater Monitoring Well Construction Details
Former ANCO Metal Improvement Company
417 West 164th Street, Carson, CA 90248

Well Number	GW Zone	Date Installed	Borehole Depth	Well Dia. (in.)	Borehole Diameter (inches)	Screen Interval (feet bgs)	Filter Pack Interval (feet bgs)	Well Screen Slot Size	Top of Casing Elevation
MW-1	A/B	3/6/97	72	4	NA	35 - 71	34 - 72	0.01	42.15
MW-2	A/B	3/7/97	71	4	NA	35 - 70	34 - 71	0.01	41.88
MW-3	A/B	3/7/97	71	4	NA	35 - 70	34 - 71	0.01	41.76 ³
MW-4	A/B	2/17/98	71	4	NA	30 - 70	25 - 71	NA	42.03
MW-5	A/B	2/18/98	71	4	NA	30 - 70	25 - 71	NA	41.90
MW-6	A/B	12/29/05	71	4	NA	30 - 70	27 - 71	0.02	42.20
MW-7 ¹	A/B	1/3/06	71	4	NA	30 - 70	27 - 71	0.02	41.91
MW-8	A/B	1/3/06	71	4	NA	30 - 70	27 - 71	0.02	41.56
MW-9A	A	11/21/08	50	2	NA	25 - 50	23 - 50	0.02	41.07
MW-9B	B	11/21/08	70	2	NA	55 - 70	54.5 - 70	0.02	41.17
MW-9C	C	11/21/08	90	2	NA	75 - 90	74.5 - 90	0.02	41.12
MW-9D	D	8/12/11	120	2	10 ²	110-120	109-120	0.02	41.27
MW-10A	A	11/20/08	50	2	NA	25 - 50	23 - 50	0.02	42.28
MW-10B	B	11/20/08	70	2	NA	55 - 70	54.5 - 70	0.02	42.28
MW-10C	C	11/20/08	90	2	NA	75 - 90	74.5 - 90	0.02	42.25
MW-11A	A	12/10/09	45	2	10	40 - 45	39 - 45	0.02	39.04
MW-11B	B	12/10/09	65.5	2	10	60.5 - 65.5	59.5 - 65.5	0.02	39.02
MW-12C	C	12/15/09	85	2	10 ²	80 - 85	79 - 85	0.02	45.65
MW-12D	D	12/15/09	116	2	10 ²	111 - 116	110 - 116	0.02	54.54
MW-13A	A	12/10/09	45	2	10	40 - 45	39 - 45	0.02	39.23
MW-13B	B	12/10/09	65.5	2	10	60.5 - 65.5	59.5 - 65.5	0.02	39.41
MW-14C	C	12/15/09	85	2	10 ²	80 - 85	79 - 85	0.02	45.25
MW-14D	D	12/15/09	116	2	10 ²	111 - 116	110 - 116	0.02	54.56
MW-15	A/B	3/20/12	65	4	10	35 - 65	33 - 65	0.02	44.07
MW-16C	C	3/21/12	85	2	10 ²	80 - 85	78 - 85	0.02	44.08
MW-17A	A/B	11/11/13	65	4	10	35-65	33-65	0.02	40.28
MW-17C	C	11/12/13	78	2	10 ²	73-78	71-78	0.02	40.41
MW-17D	D	11/20/13	120	4	10 ²	110-120	108-120	0.02	40.30
MW-18A	A/B	4/15/16	65	4	10	35-65	33-65	0.02	41.81
MW-18C	C	4/19/16	78	2	10 ²	73-78	71-78	0.02	41.36
MW-18D	D	4/25/16	120	4	10 ²	110-120	108-120	0.02	41.08
OW-4A	A	2/14/08	50	2	NA	25 - 50	23 - 50	0.02	40.86
OW-4B	B	2/14/08	70	2	NA	55 - 70	54.5 - 70	0.02	40.84
OW-4C	C	2/14/08	90	2	NA	75 - 90	74.5 - 90	0.02	40.64
OW-4D	D	8/10/11	120	2	10 ²	110-120	109-120	0.02	42.20

1. MW-7 converted to GE-12 September 2011 NA - Not available; wells installed by others
2. 10-inch steel casing in 16-inch borehole to aquitard, 10-inch borehole to total depth.
3. Damaged during site re-development; re-surveyed 6/30/16.

Table 2
Groundwater Extraction and Vapor Extraction Well Construction Details
Former ANCO Metal Improvement Company
417 W. 164th Street, Carson, CA 90248

Well Identification	Extraction Well Type	Date Installed	Borehole Depth	Well Diameter (inches)	Borehole Diameter (inches)	Screen Interval (feet bgs)	Filter Pack Interval (feet bgs)	Well Screen Slot Size
GE-1	A/B-Zone Groundwater	8/7/2009	60	4	10	45-60	44-60	0.02
GE-2	A/B-Zone Groundwater	8/14/2009	60	4	10	45-60	44-60	0.02
GE-3	A/B-Zone Groundwater	8/14/2009	60	4	10	45-60	44-60	0.02
GE-4	A/B-Zone Groundwater	8/21/2009	60	4	10	45-60	44-60	0.02
GE-5	A/B-Zone Groundwater	8/21/2009	60	4	10	45-60	44-60	0.02
GE-6	A/B-Zone Groundwater	1/5/2010	60	4	10	36-60	35-60	0.02
GE-7	A/B-Zone Groundwater	1/5/2010	60	4	10	36-60	35-60	0.02
GE-8	A/B-Zone Groundwater	1/6/2010	60	4	10	36-60	35-60	0.02
GE-9	A/B-Zone Groundwater	1/6/2010	60	4	10	36-60	35-60	0.02
GE-10	C-Zone Groundwater	8/11/2011	91	4	10	80-90	78.5-91	0.02
GE-11	C-Zone Groundwater	8/8/2011	91	4	10	80-90	78.5-91	0.02
GE-12 ¹	A/B-Zone Groundwater	12/30/2005	71	4	NA	30-70	27-71	0.02
S1	Shallow soil vapor	8/7/2009	35	2	8	15-35	13-35	0.02
S2	Shallow soil vapor	8/14/2009	35	2	8	15-35	13-35	0.02
S3	Shallow soil vapor	8/14/2009	35	2	8	15-35	13-35	0.02
S4	Shallow soil vapor	8/21/2009	35	2	8	15-35	13-35	0.02
S5	Shallow soil vapor	8/21/2009	35	2	8	15-35	13-35	0.02
D1	Deep soil vapor	8/7/2009	60	4	10	45-60	44-60	0.02
D2	Deep soil vapor	8/14/2009	60	4	10	45-60	44-60	0.02
D3	Deep soil vapor	8/14/2009	60	4	10	45-60	44-60	0.02
D4	Deep soil vapor	8/21/2009	60	4	10	45-60	44-60	0.02
D5	Deep soil vapor	8/21/2009	60	4	10	45-60	44-60	0.02

1. MW-7 converted to GE-12 September 2011

Table 3: Groundwater Elevation Data (1997 - 2018)
Former ANCO Metal Improvement Company
417 West 164th Street, Carson CA 90248

Well	Date Measured	Top of Casing Elevation (feet MSL)	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)
MW-1	3/22/1997	42.15	40.45	1.70
	3/8/1998		39.72	2.43
	6/4/1999		38.07	4.08
	12/29/1999		38.14	4.01
	3/14/2000		38.02	4.13
	6/23/2000		38.08	4.07
	12/13/2000		38.16	3.99
	10/4/2001		37.91	4.24
	3/27/2003		38.14	4.01
	7/15/2004		38.31	3.84
	3/10/2005		37.20	4.95
	1/12/2006		36.80	5.35
	7/21/2006		36.44	5.71
	10/24/2006		36.59	5.56
	1/30/2007		36.80	5.35
	5/18/2007		36.59	5.56
	9/27/2007		36.63	5.52
	12/17/2007		36.88	5.27
	3/12/2008		36.72	5.43
	6/6/2008		36.68	5.47
	9/9/2008		36.95	5.20
	12/20/2008		36.82	5.33
	4/27/2010		43.57	-1.42
	10/27/2010		44.89	-2.74
	4/7/2011		43.07	-0.92
	9/12/2011		38.20	3.95
	6/28/2012		40.34	1.81
	11/28/2012		45.09	-2.94
	5/10/2013		44.78	-2.63
	9/3/2013		46.42	-4.27
	12/2/2013		42.37	-0.22
	2/21/2014		43.11	-0.96
	5/15/2014		43.17	-1.02
8/19/2014	42.85	-0.70		
12/15/2014	41.27	0.88		
2/27/2015	42.89	-0.74		
5/28/2015	43.50	-1.35		
8/21/2015	42.34	-0.19		
11/17/2015	42.43	-0.28		
3/3/2016	42.53	-0.38		
5/24/2016	43.15	-1.00		
9/2/2016	43.33	-1.18		
12/1/2016	43.56	-1.41		
3/7/2017	41.96	0.19		
5/23/2017	43.24	-1.09		
9/19/2017	42.23	-0.08		
11/27/2017	42.29	-0.14		
3/19/2018	42.92	-0.77		
6/4/2018	42.79	-0.64		
11/13/2018	43.16	-1.01		
MW-2	3/22/1997	41.88	39.75	2.13
	3/8/1998		38.70	3.18
	6/4/1999		37.29	4.59
	12/29/1999		37.35	4.53
	3/14/2000		37.23	4.65
	6/23/2000		37.32	4.56
	12/13/2000		37.53	4.35
	10/4/2001		37.12	4.76
	3/27/2003		37.44	4.44
7/15/2004	37.60	4.28		

Table 3: Groundwater Elevation Data (1997 - 2018)
Former ANCO Metal Improvement Company
417 West 164th Street, Carson CA 90248

Well	Date Measured	Top of Casing Elevation (feet MSL)	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)
MW-2 cont'd	3/10/2005		36.44	5.44
	1/12/2006		36.08	5.80
	7/21/2006		35.73	6.15
	10/24/2006		35.81	6.07
	1/30/2007		35.91	5.97
	5/18/2007		35.90	5.98
	9/27/2007		36.33	5.55
	12/17/2007		36.24	5.64
	3/12/2008		36.02	5.86
	6/6/2008		36.07	5.81
	9/9/2008		36.14	5.74
	12/20/2008		36.33	5.55
	4/27/2010		42.04	-0.16
	10/27/2010		43.10	-1.22
	4/7/2011		39.00	2.88
	9/12/2011		37.03	4.85
	6/28/2012		39.39	2.49
	11/28/2012		41.21	0.67
	5/9/2013		42.68	-0.80
	9/3/2013		44.04	-2.16
	12/2/2013		40.44	1.44
	2/21/2014		41.44	0.44
	5/15/2014		42.97	-1.09
	8/19/2014		41.75	0.13
	12/15/2014		40.18	1.70
	2/27/2015		41.95	-0.07
	5/27/2015		42.06	-0.18
	8/21/2015		41.11	0.77
	11/17/2015		41.41	0.47
	3/3/2016		41.54	0.34
	5/24/2016		42.39	-0.51
	9/2/2016		Inaccessible	-----
	12/1/2016		42.92	-1.04
	3/7/2017		41.42	0.46
5/23/2017		42.48	-0.60	
9/19/2017		Inaccessible	-----	
11/27/2017		41.15	0.73	
3/19/2018		42.19	-0.31	
6/4/2018		41.96	-0.08	
11/13/2018		42.12	-0.24	
MW-3	3/22/1997	41.61	39.89	1.72
	3/8/1998		38.78	2.83
	6/4/1999		37.30	4.31
	12/29/1999		37.35	4.26
	3/14/2000		37.29	4.32
	6/23/2000		37.35	4.26
	12/13/2000		37.54	4.07
	10/4/2001		37.13	4.48
	3/27/2003		37.51	4.10
	7/15/2004		37.61	4.00
	3/10/2005		36.51	5.10
	1/12/2006		36.12	5.49
	7/21/2006		35.81	5.80
	10/24/2006		35.75	5.86
	1/30/2007		35.89	5.72
	5/18/2007		35.92	5.69
	9/27/2007		36.29	5.32
	12/17/2007		36.27	5.34
	3/12/2008		36.06	5.55
	6/6/2008		35.92	5.69

Table 3: Groundwater Elevation Data (1997 - 2018)
Former ANCO Metal Improvement Company
417 West 164th Street, Carson CA 90248

Well	Date Measured	Top of Casing Elevation (feet MSL)	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)
MW-3 cont'd	9/9/2008	41.54	36.22	5.32
	12/20/2008		36.07	5.47
	4/27/2010		40.32	1.22
	10/27/2010		42.18	-0.64
	4/7/2011		39.78	1.76
	9/12/2011		37.13	4.41
	6/28/2012		40.40	1.14
	11/28/2012		41.86	-0.32
	5/9/2013		42.86	-1.32
	9/3/2013		43.83	-2.29
	12/2/2013		40.85	0.69
	2/21/2014		41.73	-0.19
	5/15/2014		43.32	-1.78
	8/19/2014		42.72	-1.18
	12/15/2014	40.68	0.86	
	2/27/2015	41.76	MW damaged	Re-surveyed 6/30/16
	5/27/2015		43.17	-1.41
	8/21/2015		-----	-----
	11/17/2015		41.9	-0.14
	3/3/2016		-----	-----
	5/24/2016		43.54	-1.78
	9/2/2016		43.25	-1.49
	12/1/2016		44.07	-2.31
	3/7/2017		42.62	-0.86
	5/23/2017		43.78	-2.02
	9/19/2017		41.55	0.21
	11/27/2017		41.94	-0.18
	3/19/2018		43.49	-1.73
	6/4/2018		43.17	-1.41
	11/13/2018		43.17	-1.41
MW-4	3/8/1998		42.03	38.70
	6/4/1999	37.32		4.71
	12/29/1999	37.41		4.62
	3/14/2000	37.25		4.78
	6/23/2000	37.42		4.61
	12/13/2000	37.59		4.44
	10/4/2001	37.21		4.82
	3/27/2003	37.41		4.62
	7/15/2004	37.66		4.37
	3/10/2005	36.46		5.57
	1/12/2006	36.12		5.91
	7/21/2006	35.83		6.20
	10/24/2006	35.85		6.18
	1/30/2007	35.93		6.10
	5/18/2007	35.95		6.08
	9/27/2007	36.31		5.72
	12/17/2007	36.21		5.82
	3/12/2008	36.05		5.98
	6/6/2008	35.96		6.07
	9/9/2008	36.13		5.90
	12/20/2008	36.19		5.84
	4/27/2010	40.47		1.56
	10/27/2010	41.61		0.42
	4/7/2011	38.80		3.23
	9/12/2011	36.96		5.07
	6/28/2012	38.71		3.32
	11/28/2012	40.60		1.43
	5/9/2013	40.89		1.14
	9/3/2013	42.40		-0.37
	12/2/2013	40.01		2.02

Table 3: Groundwater Elevation Data (1997 - 2018)
Former ANCO Metal Improvement Company
417 West 164th Street, Carson CA 90248

Well	Date Measured	Top of Casing Elevation (feet MSL)	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)
MW-4 cont'd	2/21/2014		40.58	1.45
	5/15/2014		41.26	0.77
	8/19/2014		41.15	0.88
	12/15/2014		39.95	2.08
	2/27/2015		41.04	0.99
	5/27/2015		41.52	0.51
	8/21/2015		40.92	1.11
	11/17/2015		41.17	0.86
	3/3/2016		41.19	0.84
	5/24/2016		41.59	0.44
	9/2/2016		41.68	0.35
	12/1/2016		42.07	-0.04
	3/7/2017		40.54	1.49
	5/23/2017		41.45	0.58
	9/19/2017		40.49	1.54
	11/27/2017		40.99	1.04
	3/19/2018		41.26	0.77
6/4/2018		41.08	0.95	
11/13/2018		41.53	0.50	
MW-5	3/8/1998	41.90	39.42	2.48
	6/4/1999		37.86	4.04
	12/29/1999		37.19	4.71
	3/14/2000		37.84	4.06
	6/23/2000		37.92	3.98
	12/13/2000		37.98	3.92
	10/4/2001		37.71	4.19
	3/27/2003		38.14	3.76
	7/15/2004		38.15	3.75
	3/10/2005		37.05	4.85
	1/12/2006		36.64	5.26
	7/21/2006		36.35	5.55
	10/24/2006		-----	-----
	1/30/2007		36.43	5.47
	5/18/2007		36.42	5.48
	9/27/2007		36.72	5.18
	12/17/2007		36.74	5.16
	3/12/2008		36.54	5.36
	6/6/2008		36.39	5.51
	9/9/2008		36.88	5.02
	12/20/2008		36.81	5.09
	4/27/2010		44.05	-2.15
	10/27/2010		45.26	-3.36
	4/7/2011		43.25	-1.35
	9/14/2011		38.22	3.68
	6/28/2012		41.69	0.21
	11/28/2012		44.08	-2.18
	5/9/2013		46.58	-4.68
	9/3/2013		47.25	-5.35
	12/2/2013		41.29	0.61
	2/21/2014		43.11	-1.21
	5/15/2014		44.84	-2.94
	8/19/2014		43.49	-1.59
	12/15/2014		41.39	0.51
	2/27/2015		43.87	-1.97
	5/28/2015		44.39	-2.49
	8/21/2015		42.72	-0.82
	11/17/2015		42.57	-0.67
	3/3/2016		42.82	-0.92
	5/24/2016		44.02	-2.12
	9/2/2016		43.95	-2.05

Table 3: Groundwater Elevation Data (1997 - 2018)
Former ANCO Metal Improvement Company
417 West 164th Street, Carson CA 90248

Well	Date Measured	Top of Casing Elevation (feet MSL)	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)
MW-5 cont'd	12/1/2016		44.46	-2.56
	3/7/2017		43.00	-1.10
	5/23/2017		44.25	-2.35
	9/19/2017		42.18	-0.28
	11/27/2017		42.64	-0.74
	3/19/2018		43.99	-2.09
	6/4/2018		43.71	-1.81
	11/13/2018		43.94	-2.04
MW-6	1/12/2006	42.20	37.22	4.98
	4/21/2006		37.02	5.18
	7/21/2006		36.88	5.32
	10/24/2006		36.96	5.24
	1/30/2007		36.97	5.23
	5/18/2007		36.95	5.25
	9/27/2007		37.28	4.92
	12/17/2007		37.26	4.94
	3/12/2008		37.13	5.07
	6/6/2008		37.09	5.11
	9/9/2008		37.13	5.07
	12/20/2008		37.27	4.93
	4/28/2010		39.85	2.35
	10/27/2010		42.41	-0.21
	4/8/2011		41.22	0.98
	9/12/2011		38.72	3.48
	6/28/2012		41.60	0.60
	11/28/2012		44.56	-2.36
	5/9/2013		44.53	-2.33
	9/3/2013		45.49	-3.29
	12/2/2013		41.78	0.42
	2/21/2014		43.36	-1.16
	5/15/2014		44.83	-2.63
	8/19/2014		44.09	-1.89
	11/21/2014		44.03	-1.83
	2/27/2015		44.56	-2.36
	5/28/2015		45.21	-3.01
	8/21/2015		43.57	-1.37
	11/17/2015		43.60	-1.40
	3/3/2016		43.44	-1.24
	5/24/2016		44.56	-2.36
	9/2/2016		44.73	-2.53
12/1/2016		44.90	-2.70	
3/7/2017		43.47	-1.27	
5/23/2017		44.76	-2.56	
9/19/2017		42.88	-0.68	
11/27/2017		43.45	-1.25	
3/19/2018		44.44	-2.24	
6/4/2018		44.21	-2.01	
11/13/2018		44.63	-2.43	
MW-7	1/12/2006	41.91	37.04	4.87
	4/21/2006		36.91	5.00
	7/21/2006		36.74	5.17
	10/24/2006		36.78	5.13
	1/30/2007		37.09	4.82
	5/18/2007		36.75	5.16
	9/27/2007		37.08	4.83
	12/17/2007		37.01	4.90
	3/12/2008		36.91	5.00
	6/6/2008		36.64	5.27
	9/9/2008		36.96	4.95
	12/20/2008		37.21	4.70

Table 3: Groundwater Elevation Data (1997 - 2018)
Former ANCO Metal Improvement Company
417 West 164th Street, Carson CA 90248

Well	Date Measured	Top of Casing Elevation (feet MSL)	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)
MW-7 cont'd	4/28/2010		40.37	1.54
	10/27/2010		41.54	0.37
	3/17/2011		38.73	3.18
	3/24/2011		39.65	2.26
	4/5/2011		40.44	1.47
	4/8/2011		40.52	1.39
	9/12/2011		38.56	3.35
	2012	MW-7 converted to GW extraction well GE-12		
MW-8	1/12/2006	41.56	36.55	5.01
	4/21/2006		36.40	5.16
	7/21/2006		36.24	5.32
	10/24/2006		36.28	5.28
	1/30/2007		36.35	5.21
	5/18/2007		36.29	5.27
	9/27/2007		36.69	4.87
	12/17/2007		36.53	5.03
	3/12/2008		36.46	5.10
	6/6/2008		36.28	5.28
	9/9/2008		36.52	5.04
	12/20/2008		37.01	4.55
	4/27/2010		40.54	1.02
	10/27/2010		41.71	-0.15
	4/8/2011		40.33	1.23
	9/12/2011		37.95	3.61
	6/28/2012		41.06	0.50
	11/28/2012		43.58	-2.02
	5/9/2013		43.89	-2.33
	9/3/2013		44.88	-3.32
	12/2/2013		40.99	0.57
	2/21/2014		42.64	-1.08
	5/15/2014		44.28	-2.72
	8/19/2014		43.47	-1.91
	12/15/2014		41.35	0.21
	2/27/2015		44.16	-2.60
	5/27/2015		44.55	-2.99
	8/21/2015		42.97	-1.41
	11/17/2015		42.61	-1.05
	3/3/2016		42.78	-1.22
	5/24/2016		44.12	-2.56
	9/2/2016		44.20	-2.64
	12/1/2016		44.51	-2.95
	3/7/2017		43.11	-1.55
	5/23/2017		44.31	-2.75
	9/19/2017		42.13	-0.57
	11/27/2017		42.55	-0.99
	3/19/2018		44.05	-2.49
	6/4/2018		43.77	-2.21
	11/13/2018		44.11	-2.55
MW-9A	11/25/2008	41.07	36.82	4.25
	12/20/2008		36.95	4.12
	4/23/2010		38.08	2.99
	10/26/2010		39.31	1.76
	3/17/2011		38.17	2.90
	3/24/2011		38.95	2.12
	4/5/2011		39.39	1.68
	6/7/2011		39.42	1.65
	9/14/2011		38.95	2.12
	12/8/2011		38.88	2.19
	6/28/2012		40.60	0.47
	9/17/2012		41.03	0.04

Table 3: Groundwater Elevation Data (1997 - 2018)
Former ANCO Metal Improvement Company
417 West 164th Street, Carson CA 90248

Well	Date Measured	Top of Casing Elevation (feet MSL)	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)
MW-9A cont'd	11/27/2013		42.91	-1.84
	3/4/2013		41.73	-0.66
	5/8/2013		42.04	-0.97
	8/30/2013		41.84	-0.77
	12/3/2013		42.44	-1.37
	2/19/2014		43.09	-2.02
	5/19/2014		43.81	-2.74
	8/21/2014		44.14	-3.07
	11/20/2014		43.21	-2.14
	2/25/2015		43.59	-2.52
	5/26/2015		44.29	-3.22
	8/24/2015		42.74	-1.67
	11/18/2015		43.39	-2.32
	3/4/2016		43.40	-2.33
	5/25/2016		43.63	-2.56
	8/31/2016		43.33	-2.26
	11/29/2016		43.27	-2.20
	3/6/2017		-----	-----
	5/22/2017		43.26	-2.19
	9/19/2017		-----	-----
11/28/2017		-----	-----	
3/19/2018		-----	-----	
6/5/2018		42.59	-1.52	
11/12/2018		43.02	-1.95	
MW-9B	11/25/2008	41.17	36.92	4.25
	12/20/2008		37.01	4.16
	4/23/2010		38.19	2.98
	10/26/2010		39.48	1.69
	3/17/2011		38.20	2.97
	3/24/2011		39.03	2.14
	4/5/2011		39.49	1.68
	6/7/2011		39.50	1.67
	9/14/2011		39.08	2.09
	12/8/2011		39.03	2.14
	6/28/2012		40.74	0.43
	9/17/2012		41.15	0.02
	11/27/2012		43.08	-1.91
	3/4/2013		41.86	-0.69
	5/8/2013		42.21	-1.04
	8/30/2013		41.94	-0.77
	12/3/2013		42.57	-1.4
	2/19/2014		43.23	-2.06
	5/19/2014		43.91	-2.74
	8/21/2014		44.24	-3.07
	11/20/2014		43.31	-2.14
	2/25/2015		43.70	-2.53
	5/26/2015		44.42	-3.25
	8/24/2015		42.79	-1.62
	11/18/2015		43.51	-2.34
	3/4/2016		43.50	-2.33
	5/25/2016		43.73	-2.56
	8/31/2016		43.44	-2.27
	11/29/2016		43.40	-2.23
	3/6/2017		42.55	-1.38
	5/22/2017		43.39	-2.22
	9/19/2017		42.14	-0.97
11/28/2017		42.75	-1.58	
3/19/2018		43.14	-1.97	
6/5/2018		42.81	-1.64	
11/12/2018		43.25	-2.08	

Table 3: Groundwater Elevation Data (1997 - 2018)
Former ANCO Metal Improvement Company
417 West 164th Street, Carson CA 90248

Well	Date Measured	Top of Casing Elevation (feet MSL)	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)
MW-9C	11/25/2008	41.12	46.70	-5.58
	12/20/2008		47.03	-5.91
	4/23/2010		46.95	-5.83
	10/26/2010		46.54	-5.42
	3/17/2011		45.45	-4.33
	3/24/2011		45.27	-4.15
	4/5/2011		45.50	-4.38
	6/7/2011		45.49	-4.37
	9/14/2011		45.65	-4.53
	12/8/2011		46.29	-5.17
	6/28/2012		46.71	-5.59
	9/17/2012		46.37	-5.25
	11/27/2012		47.41	-6.29
	3/4/2013		46.79	-5.67
	5/8/2013		46.63	-5.51
	8/30/2013		46.71	-5.59
	12/3/2013		47.39	-6.27
	2/20/2014		47.36	-6.24
	5/19/2014		47.94	-6.82
	8/21/2014		48.11	-6.99
	11/20/2014		47.86	-6.74
	2/25/2015		47.06	-5.94
	5/26/2015		47.98	-6.86
	8/24/2015		46.62	-5.50
	11/18/2015		47.28	-6.16
	3/4/2016		47.04	-5.92
	5/25/2016		46.94	-5.82
	8/31/2016		46.61	-5.49
	11/29/2016		46.48	-5.36
	3/6/2017		45.33	-4.21
5/22/2017	45.94	-4.82		
9/19/2017	45.62	-4.50		
11/28/2017	45.92	-4.80		
3/19/2018	46.03	-4.91		
6/5/2018	45.96	-4.84		
11/12/2018	45.93	-4.81		
MW-9D	9/14/2011	41.27	54.88	-13.61
	12/8/2011		54.00	-12.73
	6/28/2012		54.14	-12.87
	9/17/2012		54.36	-13.09
	11/27/2012		54.17	-12.90
	3/4/2013		53.67	-12.40
	5/8/2013		53.90	-12.63
	8/30/2013		54.27	-13.00
	12/3/2013		54.21	-12.94
	2/19/2014		54.06	-12.79
	5/19/2014		54.18	-12.91
	8/21/2014		54.40	-13.13
	11/20/2014		54.34	-13.07
	2/25/2014		53.51	-12.24
	5/26/2015		53.81	-12.54
	8/24/2015		53.01	-11.74
	11/18/2015		52.81	-11.54
	3/4/2016		52.30	-11.03
	5/25/2016		51.64	-10.37
	8/31/2016		51.14	-9.87
11/29/2016	50.77	-9.50		
3/6/2017	50.37	-9.10		
5/22/2017	50.04	-8.77		
9/19/2017	50.79	-9.52		

Table 3: Groundwater Elevation Data (1997 - 2018)
Former ANCO Metal Improvement Company
417 West 164th Street, Carson CA 90248

Well	Date Measured	Top of Casing Elevation (feet MSL)	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)
MW-9D cont'd	11/28/2017		50.62	-9.35
	3/19/2018		50.61	-9.34
	6/5/2018		50.49	-9.22
	11/15/2018		50.24	-8.97
MW-10A	11/25/2008	42.28	40.01	2.27
	12/20/2008		-----	-----
	4/23/2010		40.46	1.82
	10/27/2010		40.71	1.57
	3/29/2011		40.75	1.53
	6/13/2011		39.04	3.24
	9/14/2011		40.90	1.38
	12/9/2011		40.83	1.45
	6/29/2012		41.23	1.05
	9/13/2012		41.56	0.72
	11/29/2012		41.93	0.35
	3/1/2013		42.02	0.26
	5/10/2013		42.23	0.05
	8/29/2013		42.51	-0.23
	12/4/2013		42.64	-0.36
	2/20/2014		42.87	-0.59
	5/20/2014		43.07	-0.79
	8/26/2014		43.35	-1.07
	11/20/2014		43.31	-1.03
	2/27/2015		43.48	-1.20
	5/26/2015		43.70	-1.42
	8/19/2015		43.74	-1.46
	11/19/2015		43.75	-1.47
	3/9/2016		43.84	-1.56
	5/20/2016		43.80	-1.52
	9/1/2016		43.86	-1.58
	11/29/2016		43.86	-1.58
	3/7/2017		43.50	-1.22
	5/24/2017		43.20	-0.92
	9/20/2017		42.87	-0.59
	11/29/2017		42.83	-0.55
	3/19/2018		42.97	-0.69
	6/7/2018		42.90	-0.62
	11/14/2018		43.11	-0.83
MW-10B	11/25/2008	42.28	40.80	1.48
	12/20/2008		-----	-----
	4/23/2010		40.52	1.76
	10/27/2010		40.79	1.49
	3/29/2011		40.85	1.43
	6/13/2011		41.02	1.26
	9/14/2011		40.97	1.31
	12/9/2011		40.82	1.46
	6/29/2012		41.34	0.94
	9/13/2012		41.67	0.61
	11/29/2012		42.03	0.25
	3/1/2013		42.10	0.18
	5/10/2013		42.33	-0.05
	8/29/2013		42.58	-0.30
	12/4/2013		42.74	-0.46
	2/20/2014		42.96	-0.68
	5/20/2014		43.17	-0.89
	8/26/2014		43.45	-1.17
	11/20/2014		43.40	-1.12
	2/27/2015		43.57	-1.29
	5/26/2015		43.79	-1.51
	8/19/2015		43.81	-1.53

Table 3: Groundwater Elevation Data (1997 - 2018)
Former ANCO Metal Improvement Company
417 West 164th Street, Carson CA 90248

Well	Date Measured	Top of Casing Elevation (feet MSL)	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)
MW-10B cont'd	11/19/2015		43.81	-1.53
	3/9/2016		43.93	-1.65
	5/20/2016		43.87	-1.59
	9/1/2016		43.94	-1.66
	11/29/2016		43.95	-1.67
	3/7/2017		43.58	-1.30
	5/24/2017		43.27	-0.99
	9/20/2017		42.94	-0.66
	11/29/2017		42.82	-0.54
	3/19/2018		43.07	-0.79
	6/7/2018		42.97	-0.69
11/14/2018		43.16	-0.88	
MW-10C	11/25/2008	42.25	46.50	-4.25
	12/20/2008		-----	-----
	4/23/2010		46.45	-4.20
	10/27/2010		45.63	-3.38
	3/29/2011		45.53	-3.28
	6/13/2011		45.56	-3.31
	9/14/2011		45.69	-3.44
	12/9/2011		45.93	-3.68
	6/29/2012		46.78	-4.53
	9/14/2012		46.90	-4.65
	11/29/2012		47.19	-4.94
	3/1/2013		47.00	-4.75
	5/10/2013		47.17	-4.92
	8/29/2013		47.24	-4.99
	12/4/2013		47.62	-5.37
	2/20/2014		47.78	-5.53
	5/20/2014		47.98	-5.73
	8/26/2014		48.25	-6.00
	11/20/2014		48.23	-5.98
	2/27/2015		47.87	-5.62
	5/26/2015		48.27	-6.02
	8/19/2015		48.09	-5.84
	11/19/2015		47.29	-5.04
	3/9/2016		47.27	-5.02
	5/20/2016		46.76	-4.51
	9/1/2016		47.05	-4.80
	11/29/2016		46.83	-4.58
	3/7/2017		46.51	-4.26
	5/24/2017		46.04	-3.79
	9/20/2017		46.27	-4.02
11/29/2017		46.21	-3.96	
3/19/2018		46.31	-4.06	
6/7/2018		46.11	-3.86	
11/14/2018		46.03	-3.78	
MW-11A Formerly 11S	4/26/2010	42.03	39.04	2.99
	10/26/2010		39.75	2.28
	3/17/2011		39.20	2.83
	3/24/2011		39.56	2.47
	4/5/2011		39.81	2.22
	6/7/2011		39.89	2.14
	9/13/2011		39.68	2.35
	12/8/2011		39.40	2.63
	6/28/2012		40.63	1.40
	9/14/2012		41.43	0.60
	11/27/2012		42.31	-0.28
	3/1/2013		41.48	0.55
	5/8/2013		42.17	-0.14
	8/30/2013		42.34	-0.31

Table 3: Groundwater Elevation Data (1997 - 2018)
Former ANCO Metal Improvement Company
417 West 164th Street, Carson CA 90248

Well	Date Measured	Top of Casing Elevation (feet MSL)	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)
MW-11A cont'd	12/3/2013		42.43	-0.40
	2/19/2014		43.07	-1.04
	5/19/2014		43.57	-1.54
	8/21/2014		44.03	-2.00
	11/21/2014		43.21	-1.18
	2/25/2015		43.66	-1.63
	5/26/2015		44.01	-1.98
	8/21/2015		43.39	-1.36
	11/20/2015		-----	-----
	3/4/2016		-----	-----
	5/26/16		-----	-----
	8/31/2016		-----	-----
	11/29/2016		-----	-----
	3/6/2017		-----	-----
	5/22/2017		-----	-----
	9/19/2017		-----	-----
	11/28/2017		-----	-----
3/19/2018		-----	-----	
6/5/2018			42.92	-0.89
11/12/2018			43.11	-1.08
MW-11B	4/26/2010	41.95	39.02	2.93
Formerly 11D	10/26/2010		39.71	2.24
	3/17/2011		39.16	2.79
	3/24/2011		39.49	2.46
	4/5/2011		39.81	2.14
	6/7/2011		39.90	2.05
	9/13/2011		39.58	2.37
	12/8/2011		39.35	2.60
	6/28/2012		40.58	1.37
	9/14/2012		41.38	0.57
	11/27/2012		42.33	-0.38
	3/1/2013		41.45	0.50
	5/8/2013		42.18	-0.23
	8/30/2013		42.30	-0.35
	12/3/2013		42.41	-0.46
	2/19/2014		43.03	-1.08
	5/19/2014		43.52	-1.57
	8/21/2014		43.98	-2.03
	11/21/2014		43.17	-1.22
	2/25/2015		43.60	-1.65
	5/26/2015		43.95	-2.00
	8/21/2015		43.33	-1.38
	11/20/2015		43.57	-1.62
	3/4/2016		43.48	-1.53
	5/26/2016		43.60	-1.65
	8/31/2016		43.43	-1.48
	11/29/2016		43.47	-1.52
	3/6/2017		43.06	-1.11
	5/22/2017		43.14	-1.19
	9/19/2017		42.36	-0.41
	11/29/2017		42.65	-0.70
	3/19/2018		42.91	-0.96
	6/5/2018		42.68	-0.73
	11/12/2018		43.03	-1.08
MW-12C	4/26/2010	41.56	45.65	-4.09
Formerly 12S	10/26/2010		45.91	-4.35
	3/17/2011		45.31	-3.75
	3/24/2011		45.78	-4.22
	4/5/2011		45.66	-4.10
	6/7/2011		45.67	-4.11

Table 3: Groundwater Elevation Data (1997 - 2018)
Former ANCO Metal Improvement Company
417 West 164th Street, Carson CA 90248

Well	Date Measured	Top of Casing Elevation (feet MSL)	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)
MW-12C cont'd	9/13/2011		45.86	-4.30
	12/8/2011		46.61	-5.05
	6/28/2012		47.01	-5.45
	9/14/2012		46.82	-5.26
	11/27/2012		47.61	-6.05
	3/1/2013		47.14	-5.58
	5/8/2013		47.18	-5.62
	8/30/2013		47.32	-5.76
	12/3/2013		47.72	-6.16
	2/19/2014		47.80	-6.24
	5/19/2014		48.17	-6.61
	8/21/2014		48.33	-6.77
	11/21/2014		48.49	-6.93
	2/25/2015		47.55	-5.99
	5/26/2015		48.31	-6.75
	8/21/2015		47.33	-5.77
	11/20/2015		47.73	-6.17
	3/4/2016		47.48	-5.92
	5/26/2016		46.93	-5.37
	8/31/2016		46.97	-5.41
	11/29/2016		46.85	-5.29
	3/6/2017		45.74	-4.18
	5/23/2017		46.22	-4.66
9/19/2017		45.98	-4.42	
11/28/2017		46.26	-4.70	
3/19/2018		46.41	-4.85	
6/5/2018		46.27	-4.71	
11/12/2018		46.37	-4.81	
MW-12D	4/26/2010	41.47	54.54	-13.07
	10/26/2010		53.59	-12.12
	3/17/2011		53.21	-11.74
	3/24/2011		53.37	-11.90
	4/5/2011		53.28	-11.81
	6/7/2011		53.25	-11.78
	9/13/2011		58.31	-16.84
	12/8/2011		54.14	-12.67
	6/28/2012		54.22	-12.75
	9/14/2012		54.44	-12.97
	11/27/2012		54.24	-12.77
	3/1/2013		53.89	-12.42
	5/8/2013		53.99	-12.52
	8/30/2013		54.35	-12.88
	12/3/2013		54.28	-12.81
	2/19/2014		54.17	-12.70
	5/19/2014		54.26	-12.79
	8/21/2014		54.49	-13.02
	11/21/2014		54.38	-12.91
	2/25/2015		53.58	-12.11
	5/26/2015		53.90	-12.43
	8/21/2015		53.07	-11.60
	11/20/2015		52.81	-11.34
	3/4/2016		52.42	-10.95
	5/26/2016		51.76	-10.29
	8/31/2016		51.28	-9.81
	11/29/2016		50.89	-9.42
	3/6/2017		50.48	-9.01
	5/23/2017		50.15	-8.68
	9/19/2017		50.92	-9.45
	11/28/2017		50.74	-9.27
	3/19/2018		50.61	-9.14

Table 3: Groundwater Elevation Data (1997 - 2018)
Former ANCO Metal Improvement Company
417 West 164th Street, Carson CA 90248

Well	Date Measured	Top of Casing Elevation (feet MSL)	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)
MW-12D cont'd	6/5/2018		50.59	-9.12
	11/12/2018		50.33	-8.86
MW-13A	4/26/2010	42.48	39.23	3.25
Formerly 13S	10/26/2010		39.73	2.75
	3/17/2011		39.47	3.01
	3/24/2011		39.75	2.73
	4/5/2011		39.99	2.49
	6/7/2011		40.06	2.42
	9/13/2011		39.90	2.58
	12/8/2011		40.37	2.11
	6/28/2012		40.75	1.73
	9/14/2012		41.63	0.85
	11/27/2012		42.42	0.06
	3/4/2013		41.68	0.80
	5/9/2013		42.28	0.20
	8/30/2013		42.46	0.02
	12/4/2013		42.55	-0.07
	2/20/2014		43.05	-0.57
	5/19/2014		43.27	-0.79
	8/22/2014		43.82	-1.34
	11/21/2014		43.03	-0.55
	2/26/2015		43.60	-1.12
	5/27/2015		44.11	-1.63
	8/24/2015		43.57	-1.09
	11/20/2015		-----	-----
	3/10/2016		-----	-----
	5/26/2016		-----	-----
	9/1/2016		-----	-----
	11/30/2016		-----	-----
	3/6/2017		-----	-----
5/23/2017		-----	-----	
9/19/2017		-----	-----	
11/29/2017		-----	-----	
3/19/2018		-----	-----	
6/5/2018			43.19	-0.71
11/15/2018			43.52	-1.04
MW-13B	4/26/2010	42.57	39.41	3.16
Formerly 13D	10/26/2010		39.94	2.63
	3/17/2011		39.61	2.96
	3/24/2011		40.03	2.54
	4/5/2011		40.35	2.22
	6/7/2011		40.41	2.16
	9/13/2011		40.15	2.42
	12/8/2011		40.47	2.10
	6/28/2012		41.27	1.30
	9/14/2012		42.06	0.51
	11/28/2012		42.86	-0.29
	3/4/2013		42.11	0.46
	5/9/2013		42.57	0.00
	8/30/2013		42.83	-0.26
	12/4/2013		43.01	-0.44
	2/20/2014		43.38	-0.81
	5/19/2014		43.62	-1.05
	8/22/2014		44.17	-1.60
	11/21/2014		43.27	-0.70
	2/26/2015		43.98	-1.41
	5/27/2014		44.50	-1.93
8/24/2015		43.91	-1.34	
11/20/2015		44.42	-1.85	
3/10/2016		44.20	-1.63	

Table 3: Groundwater Elevation Data (1997 - 2018)
Former ANCO Metal Improvement Company
417 West 164th Street, Carson CA 90248

Well	Date Measured	Top of Casing Elevation (feet MSL)	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)
MW-13B cont'd	5/26/2016		43.97	-1.40
	9/1/2016		44.23	-1.66
	11/30/2016		44.24	-1.67
	3/6/2017		43.58	-1.01
	5/23/2017		43.94	-1.37
	9/19/2017		43.17	-0.60
	11/29/2017		43.59	-1.02
	3/19/2018		43.82	-1.25
	6/5/2018		43.64	-1.07
11/15/2018		43.82	-1.25	
MW-14C	4/26/2010	42.40	45.25	-2.85
Formerly 14S	10/26/2010		45.61	-3.21
	3/17/2011		45.71	-3.31
	3/25/2011		45.94	-3.54
	4/5/2011		46.31	-3.91
	6/8/2011		46.35	-3.95
	9/13/2011		46.15	-3.75
	12/8/2011		47.08	-4.68
	6/28/2012		46.84	-4.44
	9/14/2012		46.89	-4.49
	11/28/2012		47.42	-5.02
	3/4/2013		47.25	-4.85
	5/9/2013		46.95	-4.55
	8/30/2013		47.36	-4.96
	12/4/2013		47.81	-5.41
	2/20/2014		48.00	-5.60
	5/19/2014		48.18	-5.78
	8/22/2014		48.49	-6.09
	11/21/2014		48.05	-5.65
	2/26/2015		48.02	-5.62
	5/27/2015		48.47	-6.07
	8/24/2015		47.35	-4.95
	11/20/2015		47.92	-5.52
	3/10/2016		47.72	-5.32
	5/26/2016		47.09	-4.69
	9/1/2016		47.44	-5.04
	11/30/2016		47.29	-4.89
3/6/2017		46.05	-3.65	
5/23/2017		46.69	-4.29	
9/19/2017		46.25	-3.85	
12/5/2017		46.57	-4.17	
3/19/2018		46.62	-4.22	
6/5/2018		46.70	-4.30	
11/15/2018		46.13	-3.73	
MW-14D	4/27/2010	42.13	54.56	-12.43
	10/26/2010		54.80	-12.67
	3/17/2011		54.06	-11.93
	3/25/2011		54.14	-12.01
	4/5/2011		54.38	-12.25
	6/8/2011		54.41	-12.28
	9/13/2011		55.08	-12.95
	12/8/2011		54.56	-12.43
	6/28/2012		55.25	-13.12
	9/14/2012		55.49	-13.36
	11/28/2012		55.13	-13.00
	3/4/2013		54.08	-11.95
	5/9/2013		54.99	-12.86
	8/30/2013		55.35	-13.22
	12/4/2013		55.23	-13.10
	2/20/2014		55.12	-12.99

Table 3: Groundwater Elevation Data (1997 - 2018)
Former ANCO Metal Improvement Company
417 West 164th Street, Carson CA 90248

Well	Date Measured	Top of Casing Elevation (feet MSL)	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)
MW-14D cont'd	5/19/2014		55.30	-13.17
	8/22/2014		55.49	-13.36
	11/21/2014		55.36	-13.23
	2/25/2015		54.53	-12.40
	5/27/2015		54.84	-12.71
	8/24/2015		54.13	-12.00
	11/20/2015		53.78	-11.65
	3/10/2016		53.29	-11.16
	5/26/2016		52.95	-10.82
	9/1/2016		52.30	-10.17
	11/30/2016		51.97	-9.84
	3/6/2017		51.38	-9.25
	5/23/2017		51.25	-9.12
	9/19/2017		51.92	-9.79
	12/5/2017		51.72	-9.59
3/19/2018		51.47	-9.34	
6/5/2018		51.62	-9.49	
11/15/2018		51.36	-9.23	
MW-15	6/29/2012	44.07	42.56	1.51
	9/13/2012		43.02	1.05
	11/29/2012		43.45	0.62
	3/1/2013		43.27	0.80
	5/10/2013		43.63	0.44
	8/29/2013		43.90	0.17
	12/5/2013		44.03	0.04
	3/5/2014		44.29	-0.22
	5/20/2014		44.50	-0.43
	8/26/2014		44.82	-0.75
	11/20/2014		44.55	-0.48
	2/27/2015		44.85	-0.78
	5/26/2015		45.16	-1.09
	8/19/2015		45.13	-1.06
	11/19/2015		45.13	-1.06
	3/9/2016		45.22	-1.15
	5/20/2016		45.19	-1.12
	9/1/2016		45.26	-1.19
	11/29/2016		45.30	-1.23
	3/7/2017		44.92	-0.85
5/24/2017		44.76	-0.69	
9/20/2017		44.40	-0.33	
11/29/2017		44.52	-0.45	
3/19/2018		44.67	-0.60	
6/7/2018		44.54	-0.47	
11/14/2018		44.79	-0.72	
MW-16C	6/29/2012	44.08	50.11	-6.03
	9/13/2012		50.36	-6.28
	11/29/2012		50.63	-6.55
	3/1/2013		50.16	-6.08
	5/10/2013		50.35	-6.27
	8/29/2013		49.93	-5.85
	12/5/2013		50.09	-6.01
	3/5/2014		50.07	-5.99
	5/20/2014		51.08	-7.00
	8/26/2014		51.29	-7.21
	11/20/2014		51.07	-6.99
	2/27/2015		50.74	-6.66
	5/26/2015		51.07	-6.99
	8/19/2015		50.76	-6.68
	11/19/2015		50.55	-6.47
3/9/2016		50.35	-6.27	

Table 3: Groundwater Elevation Data (1997 - 2018)
Former ANCO Metal Improvement Company
417 West 164th Street, Carson CA 90248

Well	Date Measured	Top of Casing Elevation (feet MSL)	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)
MW-16C cont'd	5/20/2016		49.31	-5.23
	9/1/2016		49.98	-5.90
	11/29/2016		49.74	-5.66
	3/7/2017		49.32	-5.24
	5/24/2017		48.50	-4.42
	9/20/2017		49.12	-5.04
	11/29/2017		49.30	-5.22
	3/19/2018		49.25	-5.17
	6/7/2018		48.66	-4.58
	11/14/2018		48.64	-4.56
MW-17A	12/3/2013	40.28	40.84	-0.56
	2/19/2014		41.07	-0.79
	5/16/2014		41.22	-0.94
	8/22/2014		41.45	-1.17
	11/19/2014		41.55	-1.27
	2/25/2015		41.69	-1.41
	5/22/2015		41.80	-1.52
	8/21/2015		41.84	-1.56
	11/18/2015		41.91	-1.63
	3/2/2016		41.96	-1.68
	5/25/2016		41.96	-1.68
	8/30/2016		41.90	-1.62
	11/30/2016		41.97	-1.69
	3/6/2017		41.52	-1.24
	5/19/2017		41.11	-0.83
	9/22/2017		40.83	-0.55
	12/5/2017		40.86	-0.58
	3/19/2018		40.89	-0.61
6/7/2018	40.81	-0.53		
11/9/2018	41.00	-0.72		
MW-17C	12/3/2013	40.41	42.23	-1.82
	2/19/2014		42.50	-2.09
	5/16/2014		42.66	-2.25
	8/22/2014		42.91	-2.50
	11/19/2014		42.85	-2.44
	2/25/2015		42.79	-2.38
	5/22/2015		42.88	-2.47
	8/21/2015		42.94	-2.53
	11/18/2015		42.89	-2.48
	3/2/2016		42.81	-2.40
	5/25/2016		42.86	-2.45
	8/30/2016		42.74	-2.33
	11/30/2016		42.81	-2.40
	3/6/2017		42.28	-1.87
	5/19/2017		41.92	-1.51
	9/22/2017		41.74	-1.33
	12/5/2017		41.81	-1.40
	3/19/2018		41.65	-1.24
6/7/2018	41.40	-0.99		
11/9/2018	41.51	-1.10		
MW-17D	12/3/2013	40.30	52.97	-12.67
	2/19/2014		54.71	-14.41
	5/16/2014		52.99	-12.69
	8/22/2014		53.17	-12.87
	11/19/2014		53.13	-12.83
	2/25/2015		52.44	-12.14
	5/22/2015		52.65	-12.35
	8/21/2015		51.88	-11.58
	11/18/2015		51.68	-11.38

Table 3: Groundwater Elevation Data (1997 - 2018)
Former ANCO Metal Improvement Company
417 West 164th Street, Carson CA 90248

Well	Date Measured	Top of Casing Elevation (feet MSL)	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)
MW-17D cont'd	3/2/2016		51.21	-10.91
	5/25/2016		50.62	-10.32
	8/30/2016		50.17	-9.87
	11/30/2016		49.88	-9.58
	3/6/2017		49.41	-9.11
	5/19/2017		49.05	-8.75
	9/22/2017		49.62	-9.32
	12/5/2017		49.57	-9.27
	3/19/2018		49.44	-9.14
	6/7/2018		49.53	-9.23
11/9/2018	49.14	-8.84		
MW-18A	6/3/2016	41.81	44.09	-2.28
	9/9/2016		44.06	-2.25
	12/2/2016		44.06	-2.25
	3/3/2017		43.53	-1.72
	5/19/2017		43.09	-1.28
	9/22/2017		42.84	-1.03
	12/1/2017		42.83	-1.02
	3/19/2018		Not Accessed	-----
	6/8/2018		42.75	-0.94
	11/9/2018		42.91	-1.10
MW-18C	6/3/2016		41.36	43.99
	9/9/2016		43.97	-2.61
	12/2/2016		43.96	-2.60
	3/3/2017		43.37	-2.01
	5/19/2017		42.95	-1.59
	9/22/2017		42.75	-1.39
	12/1/2017		42.72	-1.36
	3/19/2018		Not Accessed	-----
	6/8/2018		42.61	-1.25
	11/9/2018		42.82	-1.46
MW-18D	6/3/2016		41.08	50.83
	9/9/2016		50.61	-9.53
	12/2/2016		50.24	-9.16
	3/3/2017		49.76	-8.68
	5/19/2017		49.43	-8.35
	9/22/2017		49.93	-8.85
	12/1/2017		49.92	-8.84
	3/19/2018		Not Accessed	-----
	6/8/2018		49.78	-8.70
	11/9/2018		49.50	-8.42
OW-4A	12/20/2008		40.86	38.01
	4/23/2010		38.56	2.30
	10/26/2010		38.73	2.13
	3/17/2011		38.95	1.91
	3/25/2011		39.73	1.13
	4/5/2011		39.94	0.92
	6/8/2011		39.96	0.90
	9/14/2011		39.41	1.45
	12/8/2011		39.73	1.13
	6/29/2012		40.20	0.66
	9/13/2012		40.79	0.07
	11/27/2012		41.31	-0.45
	3/1/2013		40.93	-0.07
	5/10/2013		41.35	-0.49
8/29/2013	41.42		-0.56	
12/2/2013	41.53	-0.67		
2/20/2014	42.19	-1.33		

Table 3: Groundwater Elevation Data (1997 - 2018)
Former ANCO Metal Improvement Company
417 West 164th Street, Carson CA 90248

Well	Date Measured	Top of Casing Elevation (feet MSL)	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)
OW-4A cont'd	5/16/2014		42.37	-1.51
	8/19/2014		42.71	-1.85
	11/19/2014		42.53	-1.67
	2/26/2015		42.81	-1.95
	5/22/2015		43.18	-2.32
	8/21/2015		42.81	-1.95
	11/19/2015		42.70	-1.84
	3/2/2016		43.11	-2.25
	5/20/2016		42.92	-2.06
	8/30/2016		43.27	-2.41
	11/30/2016		43.24	-2.38
	3/3/2017		42.81	-1.95
	5/19/2017		42.84	-1.98
	9/19/2017		42.03	-1.17
	11/30/2017		42.36	-1.50
	3/19/2018		42.64	-1.78
6/6/2018	42.43	-1.57		
11/12/2018	42.71	-1.85		
OW-4B	12/20/2008	40.84	38.00	2.84
	4/23/2010		38.58	2.26
	10/26/2010		38.86	1.98
	3/17/2011		38.94	1.90
	3/25/2011		39.74	1.10
	4/5/2011		39.94	0.90
	6/8/2011		39.96	0.88
	9/14/2011		39.78	1.06
	12/8/2011		39.99	0.85
	6/28/2012		40.51	0.33
	9/14/2012		41.13	-0.29
	11/27/2012		41.72	-0.88
	3/1/2013		41.28	-0.44
	5/10/2013		41.72	-0.88
	8/29/2013		41.42	-0.58
	12/2/2013		41.87	-1.03
	2/20/2014		42.54	-1.70
	5/16/2014		42.31	-1.47
	8/19/2014		42.70	-1.86
	11/19/2014		42.81	-1.97
	2/26/2015		43.09	-2.25
	5/22/2015		43.53	-2.69
	8/21/2015		43.05	-2.21
	11/19/2015		42.75	-1.91
	3/2/2016		43.48	-2.64
	5/20/2016		42.86	-2.02
8/30/2016		43.58	-2.74	
11/30/2016		43.58	-2.74	
3/3/2017		42.70	-1.86	
5/19/2017		43.18	-2.34	
9/19/2017		42.39	-1.55	
11/30/2017		42.72	-1.88	
3/19/2018		42.99	-2.15	
6/6/2018		42.78	-1.94	
11/12/2018		43.02	-2.18	
OW-4C	12/20/2008	40.64	47.57	-6.93
	4/23/2010		47.95	-7.31
	10/26/2010		48.09	-7.45
	3/17/2011		47.63	-6.99
	3/25/2011		47.65	-7.01
	4/5/2011		47.75	-7.11
	6/8/2011		47.81	-7.17

Table 3: Groundwater Elevation Data (1997 - 2018)
Former ANCO Metal Improvement Company
417 West 164th Street, Carson CA 90248

Well	Date Measured	Top of Casing Elevation (feet MSL)	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)
OW-4C cont'd	9/14/2011		48.10	-7.46
	12/8/2011		50.41	-9.77
	6/28/2012		50.46	-9.82
	9/13/2012		50.57	-9.93
	11/27/2012		50.76	-10.12
	3/1/2013		50.24	-9.60
	5/10/2013		49.95	-9.31
	8/29/2013		48.61	-7.97
	12/2/2013		49.99	-9.35
	2/20/2014		50.39	-9.75
	5/16/2014		48.76	-8.12
	8/19/2014		48.94	-8.30
	11/19/2014		50.33	-9.69
	2/26/2015		49.70	-9.06
	5/22/2015		50.05	-9.41
	8/21/2015		47.99	-7.35
	11/19/2015		49.22	-8.58
	3/9/2016		48.86	-8.22
	5/20/2016		46.72	-6.08
	8/30/2016		48.35	-7.71
11/30/2016		48.20	-7.56	
3/3/2017		45.74	-5.10	
5/19/2017		47.37	-6.73	
9/19/2017		47.13	-6.49	
11/30/2017		47.58	-6.94	
3/19/2018		47.59	-6.95	
6/6/2018		47.73	-7.09	
11/12/2018		47.59	-6.95	
OW-4D	9/14/2011	42.20	53.55	-11.35
	12/8/2011		54.03	-11.83
	6/28/2012		54.65	-12.45
	9/13/2012		54.93	-12.73
	11/27/2012		54.75	-12.55
	3/1/2013		54.40	-12.20
	5/9/2013		54.31	-12.11
	8/29/2013		54.79	-12.59
	12/2/2013		54.90	-12.70
	2/20/2014		54.71	-12.51
	5/16/145		54.85	-12.65
	8/19/2014		54.87	-12.67
	11/19/2014		55.00	-12.80
	2/27/2015		54.07	-11.87
	5/22/2015		54.33	-12.13
	8/19/2015		53.77	-11.57
	11/19/2015		53.54	-11.34
	3/2/2016		53.10	-10.90
	5/25/2016		52.46	-10.26
	8/30/2016		52.11	-9.91
	12/1/2016		51.75	-9.55
	3/3/2017		50.99	-8.79
	5/19/2017		50.94	-8.74
	9/19/2017		51.49	-9.29
	12/5/2017		51.35	-9.15
	3/19/2018		51.09	-8.89
	6/6/2018		51.32	-9.12
	11/12/2018		50.87	-8.67
TOC = Top of Casing. MSL = Mean Sea Level. ----- = Not Measured or water below top of pump				

Table 4
 Current and Historical Groundwater Analytical Data for VOCs
 Former ANCO Metal Improvement Company
 417 West 164th Street, Carson, CA 90248

Well ID	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	Other VOCs	
MW-1	3/22/97	2,000	43	<25	<25	<25	<25	----	
	3/8/98	1,300	<50	<50	<50	<50	<50	----	
	6/4/99	856	20	3.6	2.4	<0.5	<0.5	----	
	12/27/99	804	8	<5	<5	<5	<5	----	
	6/23/00	891	<5	<5	<5	<5	<5	----	
	12/13/00	975	<25	<25	<25	<25	<25	----	
	10/4/01	648	9	<5	<5	<5	<5	----	
	3/27/03	708	10	<5	<5	<5	<5	----	
	7/15/04	525	7	<5	<5	<5	<5	----	
	3/10/05	217	11	<5	<5	<5	<5	----	
	1/12/06	130	9.4	0.5	<0.5	<0.5	<0.5	TCFM 2	
	7/21/06	206	13.9	0.7	<0.5	<0.5	<0.5	TCFM 1.7	
	1/30/07	114	10.7	<0.5	<0.5	<0.5	<0.5	TCFM 1.4	
	5/18/07	129	8.8	0.5	<0.5	<0.5	<0.5	TCFM 1.2	
	12/17/07	98.6	11	<0.5	<0.5	<0.5	<0.5	----	
	3/12/08	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	6/6/08	92.4	6.24	<0.5	<0.5	<0.5	<0.5	TCFM 1.74	
	9/9/08	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	12/20/08	95.2	7.12	<0.5	<0.5	<0.5	<0.5	----	
	12/3/09	A/B-Zone Groundwater Extraction System Put into Operation							
	4/27/10	110	34	<1	<1	<1	<0.5	----	
	10/27/10	98	170	<1	<1	<1	<0.5	----	
	4/7/11	200	430	7.2	8.1	<1	<0.5	----	
	9/12/11	110	300	<1	<1	<1	<0.5	----	
	6/20/12	30	78	2.8	<1	<1	13	----	
	11/28/12	110	380	6.9	1.6	1.1	<0.5	----	
	5/10/13	53	270	4.1	<1	<1	<0.5	----	
	12/2/13	49	270	6.6	2.3	1.6	<0.5	----	
	5/15/14	7.7	27	<1	<1	<1	<0.5	----	
	12/15/14	12	2	<1	<1	<1	<0.5	----	
	5/28/15	3.4	13	<1	<1	<1	<0.5	----	
	11/17/15	4.8	16	<0.5	<0.5	<0.5	<0.5	----	
5/24/16	3.51	14.6	<1	<1	<1	<1	----		
12/1/16	4.05	19	<1	<1	<1	<1	----		
5/23/17	4.13	28.4	<1	<1	<1	<1	CF - 4.24		
11/27/17	4.3	29	<1	<1	1.0	<1	CF - 4.42		
6/4/18	3.39	19.2	<1	<1	1.4	<1	CF - 3.73		
11/13/18	2.68	16.2	<1	<1	1.61	<1	See Att. II		
MW-2	3/22/97	7,100	63	<25	<25	<25	<25	TCFM 290	
	3/7/98	3,000	<50	<50	<50	<50	<50	TCFM 300	
	6/4/99	1,060	20.3	2.2	<0.5	<0.5	<0.5	TCFM 200	
	12/27/99	Not Sampled							
	3/14/00	1,080	<5	<5	<5	<5	<5	TCFM 184	
	6/23/00	935	<5	<5	<5	<5	<5	TCFM 196	
	12/13/00	1,080	<5	<25	<25	<25	<25	TCFM 1,950	
	10/4/01	888	<50	<50	<50	<50	<50	TCFM 210	
	3/27/03	434	<5	<5	<5	<5	<5	----	
	7/15/04	534	<5	<5	<5	<5	<5	TCFM 15	
	3/10/05	169	2.2	<0.5	<0.5	<0.5	<0.5	TCFM 24.9	
	1/12/06	289	<2.5	<2.5	<2.5	<2.5	<2.5	TCFM 4	
	7/21/06	316	<2.5	<2.5	<2.5	<2.5	<2.5	TCFM 3.7	
	1/30/07	352	<2.5	<2.5	<2.5	<2.5	<2.5	TCFM 4	
	5/18/07	305	<2.5	<2.5	<2.5	<2.5	<2.5	----	
	12/17/07	229	<2.5	<2.5	<2.5	<2.5	<2.5	----	
	3/12/08	n/a	n/a	n/a	n/a	n/a	n/a	----	
6/6/08	63.2	1.61	<0.5	<0.5	<0.5	<0.5	TCFM 12.6		
9/9/08	n/a	n/a	n/a	n/a	n/a	n/a	n/a		
12/20/08	70.7	1.66	<0.5	<0.5	<0.5	<0.5	TCFM 3.55		
12/3/09	A/B-Zone Groundwater Extraction System Put into Operation								

Table 4
 Current and Historical Groundwater Analytical Data for VOCs
 Former ANCO Metal Improvement Company
 417 West 164th Street, Carson, CA 90248

Well ID	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	Other VOCs	
MW-2 cont'd	4/27/10	48	10	<1	<1	<1	<0.5	----	
	10/27/10	37	52	<1	<1	<1	<0.5	----	
	4/7/11	78	2.3	14	<1	<1	<0.5	----	
	9/12/11	22	<1	<1	<1	<1	<0.5	----	
	6/20/12	3.4	<1	<1	<1	<1	<0.5	----	
	11/28/12	2.3	<1	<1	<1	<1	<0.5	----	
	5/9/13	1.5	<1	<1	<1	<1	<0.5	----	
	12/2/13	1	<1	<1	<1	<1	<0.5	----	
	5/15/14	<1	<1	<1	<1	<1	<0.5	----	
	12/15/14	<1	<1	<1	<1	<1	<0.5	----	
	5/27/15	<1	<1	<1	<1	<1	<0.5	----	
	11/17/15	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	----	
	5/24/16	1.05	<1	<1	<1	<1	<1	----	
	12/1/16	1.06	<1	<1	<1	<1	<1	----	
	5/23/17	<1	<1	<1	<1	<1	<1	----	
11/27/17	1.19	<1	<1	<1	<1	<1	----		
6/4/18	<1	<1	<1	<1	<1	<1	----		
11/13/18	<1	<1	<1	<1	<1	<1	----		
MW-3	3/22/97	1,800	130	<10	<10	<10	<10	TCFM 220	
Duplicate	3/8/98	2,100	65	<50	<50	<50	<50	TCFM 490	
	6/4/99	1,180	46.4	4.2	0.6	<0.5	<0.5	TCFM 301	
	12/27/99	1,340	31	<5	<5	<5	<5	TCFM 230	
	6/23/00	1,140	28	<5	<5	<5	<5	TCFM 447	
	12/13/00	1,160	<25	<25	<25	<25	<25	TCFM 6,300	
	10/4/01	1,200	<50	<50	<50	<50	<50	TCFM 613	
	3/27/03	487	11	<5	<5	<5	<5	----	
	7/15/04	732	6	<5	<5	<5	<5	TCFM 83	
	3/10/05	659	16	<5	<5	<5	<5	TCFM 59	
	1/12/06	417	<5	<5	<5	<5	<5	TCFM 32	
	7/21/06	491	6.1	<5	<5	<5	<5	TCFM 19	
	1/30/07	549	7	<5	<5	<5	<5	TCFM 21	
	5/18/07	392	<5	<5	<5	<5	<5	TCFM 14	
	5/18/07	392	<5	<5	<5	<5	<5	TCFM 14	
	12/17/07	487	<5	<5	<5	<5	<5	----	
	3/12/08	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	6/6/08	453	5.72	<5	<5	<5	<5	TCFM 24	
	9/9/08	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	12/20/08	438	6.13	<5	<5	<5	<5	----	
	12/3/09	A/B-Zone Groundwater Extraction System Put into Operation							
	4/27/10	40	<1	<1	<1	<1	<1	<0.5	----
	10/27/10	60	<1	<1	<1	<1	<1	<0.5	----
	4/7/11	64	<1	<1	<1	<1	<1	<0.5	----
	9/12/11	45	<1	<1	<1	<1	<1	<0.5	----
	6/21/12	9.9	<1	<1	<1	<1	<1	<0.5	----
	6/21/12	11	<1	<1	<1	<1	<1	<0.5	----
	11/28/12	6.2	<1	<1	<1	<1	<1	<0.5	----
5/9/13	2.6	<1	<1	<1	<1	<1	<0.5	----	
12/2/13	3.5	<1	<1	<1	<1	<1	<0.5	----	
5/15/14	3.4	<1	<1	<1	<1	<1	<0.5	----	
5/15/14	3.6	<1	<1	<1	<1	<1	<0.5	----	
12/15/14	11	<1	<1	<1	<1	<1	<0.5	----	
5/27/15	3.2	<1	<1	<1	<1	<1	<0.5	----	
11/17/15	2.9	0.52	<0.5	<0.5	<0.5	<0.5	<0.5	TCFM 1	
5/24/16	2.4	<1	<1	<1	<1	<1	<1	TCFM 1.15	
12/1/16	2.05	<1	<1	<1	<1	<1	<1	----	
5/23/17	2.03	<1	<1	<1	<1	<1	<1	TCFM 1.29	
11/27/17	2.0	1.27	<1	<1	<1	<1	<1	TCFM 1.15	
6/4/18	2.05	<1	<1	<1	<1	<1	<1	----	
11/13/18	1.37	<1	<1	<1	<1	<1	<1	See Att. II	

Table 4
 Current and Historical Groundwater Analytical Data for VOCs
 Former ANCO Metal Improvement Company
 417 West 164th Street, Carson, CA 90248

Well ID	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	Other VOCs	
MW-4	3/7/98	680	<25	<25	<25	<25	<25	TCFM 39	
	6/4/99	812	6.2	<0.5	<0.5	<0.5	<0.5	TCFM 44.1	
	12/27/99	630	<5	<5	<5	<5	<5	TCFM 44	
	6/23/00	651	8	<5	<5	<5	<5	TCFM 42	
	12/13/00	339	<5	<5	<5	<5	<5	TCFM 763	
	10/4/01	350	<5	<5	<5	<5	<5	TCFM 22	
	3/27/03	325	<5	<5	<5	<5	<5	-----	
	7/15/04	298	<5	<2.5	<2.5	<2.5	<2.5	-----	
	3/10/05	165	2.6	<0.5	<0.5	<0.5	<0.5	TCFM 4.3	
	1/12/06	255	2.5	<2.5	<2.5	<2.5	<2.5	-----	
	7/21/06	217	<2.5	<2.5	<2.5	<2.5	<2.5	-----	
	1/30/07	133	1.2	<0.5	<0.5	<0.5	<0.5	TCFM 1.1	
	5/18/07	93.9	0.7	<0.5	<0.5	<0.5	<0.5	TCFM 0.5	
	12/17/07	107	1	<0.5	<0.5	<0.5	<0.5	TCFM 0.6	
	3/12/08	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	6/6/08	32.9	1.66	<0.5	<0.5	<0.5	<0.5	TCFM 2.07	
	9/9/08	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	12/20/08	40.6	2.02	<0.5	<0.5	<0.5	<0.5	TCFM 1.05	
	12/3/09	A/B-Zone Groundwater Extraction System Put into Operation							
	4/27/10	6.2	<1	<1	<1	<1	<0.5	-----	
	10/27/10	3.5	5.4	<1	<1	<1	<0.5	-----	
	4/7/11	8.4	2.9	<1	<1	<1	<0.5	-----	
	9/12/11	18	<1	<1	<1	<1	<0.5	-----	
	6/20/12	2.8	1.0	<1	<1	<1	<0.5	-----	
	11/28/12	3	1.1	<1	<1	<1	<0.5	-----	
	5/9/13	<1	<1	<1	<1	<1	<0.5	-----	
	12/2/13	1.2	<1	<1	<1	<1	<0.5	-----	
	5/15/14	1.2	<1	<1	<1	<1	<0.5	-----	
	12/15/14	<1	<1	<1	<1	<1	<0.5	-----	
	5/27/15	<1	<1	<1	<1	<1	<0.5	-----	
	11/17/15	0.82	<0.5	<0.5	<0.5	<0.5	<0.5	-----	
	5/24/16	<1	<1	<1	<1	<1	<1	-----	
	12/1/16	<1	<1	<1	<1	<1	<1	-----	
	5/23/17	<1	<1	<1	<1	<1	<1	-----	
	11/27/17	<1	<1	<1	<1	<1	<1	-----	
	6/4/18	<1	<1	<1	<1	<1	<1	-----	
	11/13/18	<1	<1	<1	<1	<1	<1	See Att. II	
MW-5	3/8/98	3,500	<50	<50	<50	<50	<50	-----	
	6/4/99	3,970	39	11	<5	<5	<5	TCFM 45	
	12/27/99	6,330	46	33	<5	<5	<5	TCFM 68	
	3/14/00	12,200	<50	<50	<50	<50	<50	-----	
	6/23/00	1,970	<50	<50	<50	<50	<50	-----	
	12/13/00	19,200	<50	<50	<50	<50	<50	-----	
	10/4/01	4,720	<50	<50	<50	<50	<50	-----	
	3/27/03	2,630	<25	<25	<25	<25	<25	-----	
	7/15/04	700	10	<5	<5	<5	<5	TCFM 175	
	3/10/05	1,740	17	<5	<5	<5	<5	TCFM 54	
	1/12/06	828	11	<5	<5	<5	<5	TCFM 65	
	7/21/06	1,500	10.5	<5	<5	<5	<5	TCFM 14	
	1/30/07	774	7	<5	<5	<5	<5	TCFM 17	
	5/18/07	1,080	7	<5	<5	<5	<5	TCFM 19	
	12/17/07	853	7	<5	<5	<5	<5	-----	
	3/12/08	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	6/6/08	261	<5	<5	<5	<5	<5	TCFM 33.1	
	9/9/08	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	12/20/08	591	<5	<5	<5	<5	<5	-----	
	12/3/09	A/B-Zone Groundwater Extraction System Put into Operation							
	4/27/10	570	13	<1	<1	<1	<0.5	-----	

Table 4
 Current and Historical Groundwater Analytical Data for VOCs
 Former ANCO Metal Improvement Company
 417 West 164th Street, Carson, CA 90248

Well ID	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	Other VOCs	
MW-5 cont'd	10/27/10	930	26	<1	<1	<1	<0.5	----	
	4/7/11	630	2.5	<1	<1	<1	<0.5	----	
	9/14/11	890	17	<1	<1	<1	<0.5	----	
	6/29/12	280	25	<1	<1	<1	3.9	----	
	11/28/12	490	94	2.1	<1	<1	<0.5	TCFM 41	
	5/9/13	420	120	3.7	<1	<1	<0.5	----	
	12/2/13	120	28	<1	<1	<1	<0.5	----	
	5/15/14	110	32	<1	<1	<1	<0.5	----	
	12/15/14	200	15	<1	<1	<1	<0.5	----	
	5/28/15	48	10	<1	<1	<1	<0.5	----	
	11/17/15	46	9.3	0.91	0.77	<0.5	<0.5	TCFM 9.3	
	5/24/16	28.8	31.7	1.04	<1	<1	<1	TCFM 4.72	
	12/1/16	48.6	31.7	1.55	<1	<1	<1	TCFM 4.06	
	5/23/17	31.6	101	2.67	<1	<1	<1	TCFM 4.01	
11/27/17	31.7	124	2.73	<1	<1	<1	TCFM 4.19		
6/4/18	29.8	189	4.72	<1	<1	<1	TCFM 2.51		
11/13/18	27.6	120	3.20	<1	<1	<1	See Att. II		
MW-6	1/12/06	1,350	9	<5	<5	<5	<5	TCFM 7	
Duplicate	4/21/06	1,330	10	<5	<5	<5	<5	TCFM 25	
	7/21/06	1,400	11	<5	<5	<5	<5	TCFM 7.1	
	10/24/06	1,090	8.8	<5	<5	<5	<5	TCFM 10.8	
	1/30/07	989	9	<5	<5	<5	<5	TCFM 7	
	5/21/07	851	7	<5	<5	<5	<5	TCFM 5	
	9/27/07	682	6	<5	<5	<5	<5	----	
	12/17/07	706	8.7	<5	<5	<5	<5	----	
	3/12/08	n/a	n/a	n/a	n/a	n/a	n/a	----	
	6/6/08	384	5.65	<5	<5	<5	<5	----	
	9/9/08	437	6.27	<5	<5	<5	<5	----	
	12/20/08	333	<5	<5	<5	<5	<5	----	
	12/3/09	A/B-Zone Groundwater Extraction System Put into Operation							
	4/27/10	380	8.1	<1	<1	<1	<0.5	----	
	10/27/10	650	11	<1	<1	<1	<0.5	----	
	4/8/11	530	18	<1	<1	<1	<0.5	----	
	9/12/11	1,100	22	<1	<1	<1	<0.5	----	
	6/20/12	97	21	<1	<1	<1	3.3	----	
	11/28/12	90	29	<1	<1	<1	<0.5	----	
	5/9/13	94	29	<1	<1	<1	<0.5	----	
	12/2/13	110	44	2.2	1.3	<1	<0.5	----	
5/15/14	52	25	<1	1.4	<1	<0.5	----		
8/26/14	140	30	<1	<1	<1	<0.5	----		
11/21/14	55	58	<1	8.4	<1	<0.5	----		
5/28/15	22	51	<0.5	1.7	3.6	<0.5	----		
5/28/15	22	50	<0.5	1.7	3.5	<0.5	----		
11/20/15	16	46	0.65	1.5	3.3	<0.5	----		
5/24/16	16.9	60.9	<1	1.83	4.67	1.06	----		
12/1/16	11	65	<1	2.14	5.8	1.34	----		
5/23/17	11.9	67	<1	3.71	11	2.13	----		
11/27/17	17.9	144	1.82	4.17	10.7	2.09	CF 3.22		
6/4/18	11.9	77.6	<1	4.3	13.6	2.7	CF 2.62		
11/13/18	14.1	60.4	<1	4.55	15.4	3.19	See Att. II		
MW-7	1/12/06	4,010	<25	<25	<25	<25	<25	TCFM 41	
	4/21/06	3,900	159	<25	<25	<25	<25	----	
	7/21/06	4,070	<25	<25	<25	<25	<25	TCFM 33	
	10/24/06	3,260	<25	<25	<25	<25	<25	TCFM 50	
	1/30/07	2,900	<25	<25	<25	<25	<25	----	
	5/18/07	2,750	<25	<25	<25	<25	<25	----	
	9/27/07	2,520	<25	<25	<25	<25	<25	----	
	12/17/07	2,740	<25	<25	<25	<25	<25	----	

Table 4
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 Former ANCO Metal Improvement Company
 417 West 164th Street, Carson, CA 90248

Well ID	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	Other VOCs	
MW-7 cont'd	3/12/08	2,500	<25	<25	<25	<25	<25	----	
	6/6/08	1,590	<25	<25	<25	<25	<25	TCFM 62.5	
	9/9/08	1,430	<25	<25	<25	<25	<25	----	
	12/20/08	1,080	<25	<25	<25	<25	<25	----	
	12/3/09	A/B-Zone Groundwater Extraction System Put into Operation							
	4/27/10	790	8.9	<1	<1	<1	<0.5	----	
	10/27/10	1,200	19	3.0	<1	<1	<0.5	----	
	4/8/11	860	8.9	<1	<1	<1	<0.5	----	
	9/12/11	1,100	3.4	<1	<1	<1	<0.5	----	
	MW-7 converted to groundwater extraction well GE-12 on 09/16/11								
MW-8	1/12/06	2,590	<25	<25	<25	<25	<25	----	
	4/21/06	2,940	77	<25	<25	<25	<25	----	
	7/21/06	2,460	<25	<25	<25	<25	<25	----	
	10/24/06	2,580	<25	<25	<25	<25	<25	----	
	1/30/07	2,170	<25	<25	<25	<25	<25	----	
	5/21/07	2,390	<25	<25	<25	<25	<25	----	
	9/27/07	1,910	<25	<25	<25	<25	<25	----	
	12/17/07	2,000	<25	<25	<25	<25	<25	----	
	3/12/08	1,900	<25	<25	<25	<25	<25	----	
	6/6/08	875	2.5	<5	<5	<5	<5	TCFM 36.6	
	9/9/08	1,330	5.52	<5	<5	<5	<5	----	
	12/20/08	833	<5	<5	<5	<5	<5	TCFM 11.8	
	12/3/09	A/B-Zone Groundwater Extraction System Put into Operation							
	4/27/10	480	<1	<1	<1	<1	<0.5	----	
	10/27/10	280	<1	<1	<1	<1	<0.5	----	
	4/8/11	540	4.6	<1	<1	<1	<0.5	----	
	9/12/11	260	<1	<1	<1	<1	<0.5	----	
	6/20/12	58	<1	<1	<1	<1	<0.5	----	
	11/28/12	35	<1	<1	<1	<1	<0.5	----	
	5/9/13	50	<1	<1	<1	<1	<0.5	----	
	12/2/13	30	<1	<1	<1	<1	<0.5	----	
	5/15/14	34	<1	<1	<1	<1	<0.5	----	
	8/26/14	71	<1	<1	<1	<1	<0.5	----	
	12/15/14	35	15	<1	<1	<1	<0.5	----	
	5/27/15	20	<1	<1	<1	<1	<0.5	----	
11/17/15	20	0.56	<0.5	<0.5	<0.5	<0.5	TCFM 2.8		
5/24/16	12.5	1.02	<1	<1	<1	<1	----		
12/1/16	8.91	<1	<1	<1	<1	<1	----		
5/23/17	19.8	<1	<1	<1	<1	<1	----		
11/27/17	11	1.6	<1	<1	<1	<1	----		
6/4/18	7.12	<1	<1	<1	<1	<1	----		
11/13/18	8.79	<1	<1	<1	<1	<1	See Att. II		
MW-9A	11/25/08	3,420	<50	<50	<50	<50	<50	----	
	12/3/09	A/B-Zone Groundwater Extraction System Put into Operation							
	4/23/10	3,000	16	<1	<1	<1	<0.5	----	
	10/26/10	2,600	18	<1	<1	<1	<0.5	----	
	3/24/11	2,300	17	3.1	<1	<1	<0.5	----	
	6/7/11	3,600	18	<1	<1	<1	<0.5	----	
	9/14/11	1,900	15	<1	<1	<1	<0.5	----	
	12/8/11	1,500	10	<1	<1	<1	<0.5	----	
	4/12/12	530	6.5	<1	<1	<1	<0.5	----	
	6/22/12	700	8.8	<1	<1	<1	<0.5	----	
	9/17/12	560	8.4	<1	<1	<1	<0.5	----	
	11/27/12	1,200	11	<1	<1	<1	<0.5	TCFM 42	
	3/4/13	740	11	<1	<1	<1	<0.5	----	
	5/8/13	1,300	10	<1	<1	<1	<0.5	----	
	8/30/13	190	9	<1	<1	<1	<0.5	----	
12/3/13	380	9.1	<1	<1	<1	<0.5	----		
2/19/14	540	17	<1	<1	<1	<0.5	----		

Table 4
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Former ANCO Metal Improvement Company
417 West 164th Street, Carson, CA 90248

Well ID	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	Other VOCs	
MW-9A cont'd	5/19/14	510	<1	<1	<1	<1	<0.5	----	
	8/21/14	870	7.7	<1	<1	<1	<0.5	----	
	11/20/14	590	9.1	<1	<1	<1	<0.5	----	
	2/25/15	340	3.8	<1	<1	<1	<0.5	----	
	5/26/15	230	3.6	<1	<1	<1	<0.5	----	
	9/24/15	150 E	3.8	<0.5	<0.5	<0.5	<0.5	TCFM 0.83	
	11/18/15	110	3.3	<0.5	<0.5	<0.5	<0.5	TCFM 0.75	
	3/4/16	60.4	1.95	<1	<1	<1	<1	----	
	5/25/16	82	2.51	<1	<1	<1	<1	----	
	8/31/16	64.8	2.38	<1	<1	<1	<1	----	
	11/29/16	67.9	2.11	<1	<1	<1	<1	----	
	5/22/17	45.2	1.59	<1	<1	<1	<1	DIPE 1.75	
	11/28/17	69.8	1.93	<1	<1	<1	<1	DIPE 4.33	
6/6/18	57.9	1.3	<1	<1	<1	<1	DIPE 5.77		
11/13/18	58.5	1.56	<1	<1	<1	1.18	See Att. II		
MW-9B	11/25/08	1,500	30.2	<20	<20	<20	<20	TCFM 183	
	12/3/09	A/B-Zone Groundwater Extraction System Put into Operation							
	4/23/10	1,300	12	<1	<1	<1	<0.5	----	
	10/26/10	670	7.4	<1	<1	<1	<0.5	----	
	3/24/11	400	15	<1	<1	<1	<0.5	----	
	6/7/11	230	6	<1	<1	<1	<0.5	----	
	9/14/11	600	23	<1	<1	<1	<0.5	----	
	12/8/11	220	8.7	<1	<1	<1	<0.5	----	
	4/12/12	110	6.2	<1	<1	<1	<0.5	----	
	6/22/12	140	9.8	<1	<1	<1	<0.5	----	
	9/17/12	120	10	<1	<1	<1	<0.5	----	
	11/27/12	150	11.0	<1	<1	<1	<0.5	----	
	3/4/13	130	12	<1	<1	<1	<0.5	----	
	5/8/13	190	9	<1	<1	<1	<0.5	----	
	8/30/13	110	9.3	<1	<1	<1	<0.5	----	
	12/3/13	130	10	<1	<1	<1	<0.5	----	
	2/19/14	270	19	<1	<1	<1	<0.5	----	
	5/19/14	240	6.7	<1	<1	<1	<0.5	----	
	8/21/14	530	20	<1	<1	<1	<0.5	----	
	11/20/14	170	9.7	<1	<1	<1	<0.5	----	
	2/25/15	200	7.8	8	<1	<1	<0.5	----	
	5/26/15	94	7	3.8	<1	<1	<0.5	----	
	9/24/15	76	6.2	9.3	<0.5	<0.5	<0.5	TCFM 2	
	11/18/15	67	5.1	2.3	<0.5	<0.5	<0.5	TCFM 1.6	
	3/4/16	59.1	4.67	2.86	<1	<1	<1	TCFM 1.65	
	5/25/16	67.7	7.04	1.84	<1	<1	<1	TCFM 1.95	
	8/31/16	44.5	4.74	2.28	<1	<1	<1	TCFM 1.37	
	11/29/16	52.9	5.29	1.28	<1	<1	2.67	See Att. II	
	5/22/17	38.6	4.79	1.38	<1	<1	3.78	See Att. II	
	11/28/17	35.9	3.67	1.52	<1	<1	3.79	See Att. II	
	6/6/18	39	5.14	1.62	<1	<1	3.49	See Att. II	
	11/12/18	27.2	<5	<5	<5	<5	<5	MTBE 335	
MW-9C	11/25/08	1,910	70.2	<20	<20	<20	<20	TCFM 43.8	
	3/5/09	800	39	<1	2	<1	<0.5	----	
	12/3/09	A/B-Zone Groundwater Extraction System Put into Operation							
	4/23/10	2,000	110	<1	6.4	<1	<0.5	----	
	10/26/10	1,900	92	<1	11	<1	<0.5	----	
	3/24/11	1,600	53	3.4	6.2	<1	<0.5	----	
	6/7/11	120	6.1	<1	<1	<1	<0.5	----	
	Sep-11	C-Zone Groundwater Extraction Wells Put into Operation							
	9/14/11	2,900	130	6.1	11	<1	<0.5	----	
	12/8/11	350	32	77	<1	<1	<0.5	----	
	4/12/12	840	52	9.4	8.1	<1	<0.5	----	

Table 4
 Current and Historical Groundwater Analytical Data for VOCs
 Former ANCO Metal Improvement Company
 417 West 164th Street, Carson, CA 90248

Well ID	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	Other VOCs	
MW-9C cont'd	6/22/12	1,300	70	4.4	4.7	<1	<0.5	----	
	9/17/12	950	53	2.9	3.2	<1	<0.5	----	
	11/27/12	1,500	77	<1	<1	<1	18	TCFM 120	
	3/4/13	1,800	72	4.8	5.7	<1	<0.5	----	
	5/8/13	1,600	73	<1	<1	<1	<0.5	----	
	8/30/13	820	78	32	34	<1	<0.5	----	
	12/3/13	2,100	100	11	7.4	<1	<0.5	----	
	2/19/14	1,600	74	18	6.3	<1	<0.5	----	
	5/16/14	2,200	61	<1	20	<1	<0.5	----	
	8/21/14	2,500	200	20	18	<1	<0.5	----	
	11/20/14	2,200	85	41	7.3	<1	<0.5	----	
	2/25/15	2,100	81	18	6.5	<1	<0.5	----	
	5/26/15	2,200	68	25	5.1	<1	<0.5	----	
	9/24/15	940	62	16	2.5	<2.5	<2.5	TCFM 62	
	11/18/15	1,200	71	32	3.8	<2.5	<2.5	TCFM 52	
	3/4/16	2,140	81.6	43.1	9.51	<1	<1	TCFM 75.1	
	5/25/16	1,710	79.8	29.8	<10	<10	<10	TCFM 65.9	
	8/31/16	1,150	69.6	18	<10	<10	<10	TCFM 62.2	
	11/29/16	1,570	76.2	38	<10	<10	<10	TCFM 59.3	
	5/22/17	1,190	70	77	<10	<10	<10	TCFM 76.4	
11/28/17	615	50.2	42.8	<5	<5	<5	TCFM 40.7		
6/6/18	982	58.4	52.3	<10	<10	<10	TCFM 51		
11/12/18	259	28.8	26.2	<5	<5	<5	TCFM 30.4		
MW-9D	9/14/11	23	<1	<1	<1	<1	<0.5	----	
Duplicate	12/8/11	<1	<1	<1	<1	<1	<0.5	----	
	4/17/12	<1	<1	<1	<1	<1	<0.5	----	
	6/22/12	<1	8.3	<1	<1	<1	<0.5	----	
	9/17/12	1	4.6	<1	<1	<1	<0.5	----	
	11/27/12	<1	6.9	<1	<1	<1	<0.5	----	
	3/4/13	<1	5.7	<1	<1	<1	<0.5	----	
	5/8/13	<1	7.1	<1	<1	<1	<0.5	----	
	8/30/13	3.0	8.2	<1	<1	<1	<0.5	----	
	8/30/13	2.9	7.9	<1	<1	<1	<0.5	----	
	12/3/13	<1	6.0	<1	<1	<1	<0.5	----	
	2/19/14	<1	8.0	<1	<1	<1	<0.5	----	
	5/19/14	<1	5.2	<1	<1	<1	<0.5	----	
	Duplicate	8/21/14	11	8.4	<1	<1	<1	<0.5	----
		8/21/14	11	8.9	<1	<1	<1	<0.5	----
		11/20/14	3.7	3.3	<1	<1	<1	<0.5	----
		2/25/15	3.4	7.9	<1	<1	<1	<0.5	----
		5/26/15	13	8.7	<1	<1	<1	<0.5	----
		8/24/15	<0.5	7.7	0.85	<0.5	<.05	<0.5	----
		11/18/15	<0.5	7.6	0.76	<0.5	<.05	<0.5	----
		3/4/16	1.0	6.47	<1	<1	<1	<1	----
5/25/16		<1	5.39	<1	<1	<1	<1	----	
8/31/16		<1	2.45	<1	<1	<1	<1	----	
11/29/16	<1	2.85	<1	<1	<1	<1	----		
5/22/17	<1	2.03	<1	<1	<1	<1	----		
11/29/17	<1	1.81	<1	<1	<1	<1	----		
6/6/18	5.46	1.6	<1	<1	<1	<1	----		
11/15/18	<1	<1	<1	<1	<1	<1	See Att. II		
MW-10A	11/25/08	167	21.8	5.06	<1	<1	<1	----	
	12/3/09	A/B-Zone Groundwater Extraction System Put into Operation							
	4/23/10	280	27	12	<1	<1	<0.5	----	
	10/27/10	170	15	9.5	<1	<1	<0.5	----	
	3/29/11	99	8.5	6	<1	<1	<0.5	----	
	6/13/11	120	12	7.2	<1	<1	<0.5	----	
	9/14/11	310	19	7.4	<1	<1	<0.5	----	

Table 4
 Current and Historical Groundwater Analytical Data for VOCs
 Former ANCO Metal Improvement Company
 417 West 164th Street, Carson, CA 90248

Well ID	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	Other VOCs	
<i>MW-10A cont'd</i>	12/9/11	160	14	11	<1	<1	<0.5	----	
	4/9/12	99	11	8.8	<1	<1	<0.5	----	
	6/19/12	280	21	18	1.4	<1	<0.5	----	
	9/13/12	290	21	17	1.5	<1	3.5	----	
	11/29/12	380	23	15	<1	<1	<0.5	----	
	3/1/13	340	19	5.5	<1	<1	<0.5	----	
	5/10/13	260	20	8.6	<1	<1	<0.5	----	
	8/29/13	580	38	7.3	<1	<1	<0.5	----	
	12/4/13	230	19	11	1.1	<1	<0.5	----	
	2/26/14	270	24	10	<1	<1	<0.5	----	
	5/20/14	260	23	9.6	<1	<1	<0.5	----	
	8/26/14	580	31	<1	<1	<1	<0.5	----	
	11/20/14	240	22	16	<1	<1	<0.5	----	
	2/27/15	130	12	8.9	<1	<1	<0.5	----	
	5/26/15	200	14	9.6	1	<1	<0.5	----	
	8/19/15	180 E	17	9.7	1.1	<0.5	<0.5	----	
	11/19/15	160	18	9.8	1.2	<0.5	<0.5	----	
	3/9/16	238	19.3	13.7	1.98	<1	<1	----	
	5/20/16	317	22.9	17.2	2.07	<1	<1	----	
	9/1/16	260	20.1	18.5	2.42	<1	<1	----	
11/29/16	240	17.2	17.8	2.46	<1	<1	F-113 9.8		
5/24/17	164	12	10	1.81	<1	<1	F-113 10.4		
11/29/17	58.6	5.01	3.21	<1	<1	<1	F-113 4.86		
6/7/18	50.6	4.17	1.75	<1	<1	<1	See Att. II		
11/14/18	28.6	2.89	<1	<1	<1	<1	See Att. II		
MW-10B	11/25/08	707	38.4	<20	<20	<20	<20	----	
Duplicate	12/3/09	A/B-Zone Groundwater Extraction System Put into Operation							
	4/23/10	1,200	63	8.2	15	<1	<0.5	----	
	10/27/10	910	56	11	34	<1	<0.5	----	
	3/29/11	650	6.5	14	<1	<1	<0.5	----	
	6/13/11	330	38	13	<1	<1	<0.5	----	
	9/14/11	1,100	62	14	3.5	<1	<0.5	----	
	12/9/11	310	36	14	<1	<1	<0.5	----	
	4/9/12	280	28	12	2.6	<1	<0.5	----	
	6/19/12	420	40	12	4.1	<1	<0.5	----	
	9/13/12	270	23	6.4	2.2	<1	3.4	----	
	11/29/12	620	49	16	<1	<1	12	----	
	3/1/13	650	45	6.9	<1	<1	<0.5	----	
	5/10/13	840	66	13	<1	6.4	<0.5	----	
	8/29/13	1,200	84	8.6	4.2	<1	<0.5	----	
	12/4/13	1,100	48	14	9.1	<1	<0.5	----	
	2/26/14	820	49	17	6.5	<1	<0.5	----	
	5/20/14	900	47	26	16	<1	<0.5	----	
	8/26/14	2,000	64	<1	<1	<1	<0.5	----	
	11/20/14	1,200	72	54	23	<1	<0.5	----	
	2/27/15	530	30	22	8.5	<1	<0.5	----	
	5/26/15	800	31	18	8.8	<1	<0.5	----	
	8/19/15	530	36	15	8	<0.5	<0.5	TCFM 2.8	
	11/19/15	480	34	15	5.9	<0.5	<0.5	TCFM 2	
	11/19/15	460	37	15	6.7	<0.5	<0.5	TCFM 2.1	
	3/9/16	514	41.4	20.1	12.5	<1	<1	TCFM 2.48	
	5/20/16	537	34.9	15.8	7.65	<5	<5	----	
	9/1/16	373	28.7	14.2	6.53	<1	<1	TCFM 1.36	
11/30/16	376	26.5	14.4	6.05	<1	<1	F-113 3.97		
5/24/17	281	20.6	12.2	5.05	<5	<5	F-113 5.55		
11/29/17	191	16	8.81	3.53	<1	<1	F-113 3.03		
6/7/18	66.1	4.5	2.02	<1	<1	<1	See Att. II		
11/14/18	119	9.7	3.28	2.04	<1	<1	See Att. II		

Table 4
Current and Historical Groundwater Analytical Data for VOCs
Former ANCO Metal Improvement Company
417 West 164th Street, Carson, CA 90248

Well ID	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	Other VOCs	
MW-10C	11/25/08	147	7.47	<1	<1	<1	<1	----	
<i>MW-10C cont'd</i>	3/5/09	150	7.4	<1	<1	<1	<0.5	----	
	12/3/09	A/B-Zone Groundwater Extraction System Put into Operation							
	4/23/10	290	20	<1	<1	<1	<0.5	----	
	10/27/10	300	19	<1	<1	<1	<0.5	----	
	3/29/11	12	<0.5	<1	<1	<1	<0.5	----	
	6/13/11	7.3	2	<1	<1	<1	<0.5	----	
	Sep-11	C-Zone Groundwater Extraction Wells Put into Operation							
	9/14/11	95	56	16	12	<1	<0.5	----	
	12/9/11	11	<1	<1	<1	<1	<0.5	----	
	4/9/12	12	2.3	<1	<1	<1	<0.5	----	
Duplicate	6/19/12	410	31	4.5	4.7	<1	<0.5	----	
	9/14/12	280	19	3.5	2.5	<1	<0.5	----	
	11/29/12	390	23	<1	<1	<1	<0.5	----	
	3/1/13	490	25	1.7	<1	<1	<0.5	----	
	5/10/13	540	33	3.5	3	<1	<0.5	----	
	5/10/13	550	33	3.5	3	<1	<0.5	----	
	8/29/13	860	43	<1	<1	<1	<0.5	----	
	12/4/13	640	28	5.6	6	<1	<0.5	----	
	Duplicate	12/4/13	630	30	5.6	6	<1	<0.5	----
	2/26/14	480	29	4.7	3.6	<1	<0.5	----	
5/20/14	560	26	7.7	10	<1	<0.5	----		
8/26/14	1,700	43	<1	<1	<1	<0.5	----		
11/20/14	830	27	<1	14	<1	<0.5	----		
2/27/15	670	33	8.2	7.3	<1	<0.5	----		
5/26/15	510	18	4.6	3.7	<1	<0.5	----		
8/19/15	410	26	4.3	4.4	<0.5	<0.5	TCFM 3.8		
11/19/15	470	29	5.2	4.7	<0.5	<0.5	TCFM 3.4		
3/9/16	636	29	5.59	6.33	<1	<1	TCFM 4.18		
5/20/16	662	30.5	5.5	5.45	<5	<5	----		
9/1/16	540	27.6	4.64	5.02	<1	<1	TCFM 4.11		
11/29/16	641	32.3	5.85	6.15	<5	<5	----		
5/24/17	696	37.5	5.15	7.1	<5	<5	----		
11/29/17	458	27.9	5.8	5.05	<5	<5	----		
6/7/18	432	24.6	5.25	<5	<5	<5	----		
11/14/18	465	23.8	5.6	5.3	<5	<5	----		
MW-11A	4/26/10	23	14	<1	<1	<1	<0.5	----	
Duplicate	10/26/10	27	14	<1	<1	<1	<0.5	----	
	3/24/11	25	36	<1	<1	<1	<0.5	----	
	6/7/11	17	50	<1	<1	<1	<0.5	----	
	9/13/11	32	52	<1	<1	<1	<0.5	----	
	12/8/11	9.2	31	<1	<1	<1	<0.5	----	
	4/12/12	10	17	<1	<1	<1	<0.5	----	
	6/22/12	10	26	<1	<1	<1	<0.5	----	
	9/14/12	8.5	15	<1	<1	<1	<0.5	----	
	11/27/12	9.2	8	<1	<1	<1	<0.5	----	
	3/1/13	17	6.5	<1	<1	<1	<0.5	----	
	5/8/13	11	9.2	<1	<1	<1	<0.5	----	
	5/9/13	11	9.3	<1	<1	<1	<0.5	----	
	8/30/13	6	4.7	<1	<1	<1	<0.5	----	
	12/3/13	15	7.9	<1	<1	<1	<0.5	----	
	2/19/14	15	6.9	<1	<1	<1	<0.5	----	
	5/19/14	28	7.2	<1	<1	<1	<0.5	----	
	8/21/14	Insufficient groundwater for sample collection							
	11/21/14	39	12	<1	<1	<1	<0.5	----	
	2/25/15	22	5.1	<1	<1	<1	<0.5	----	
	5/26/15	Insufficient groundwater for sample collection							
8/21/15	19	6.9	<0.5	<0.5	<0.5	1.7	MTBE 850		
11/20/15	13	6.2	<0.5	<0.5	<0.5	0.71	MTBE 210		

Table 4
Current and Historical Groundwater Analytical Data for VOCs
Former ANCO Metal Improvement Company
417 West 164th Street, Carson, CA 90248

Well ID	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	Other VOCs	
<i>MW-11A cont'd</i>	3/4/16	21.4	7.84	<1	<1	<1	<1	MTBE 441	
	5/26/16	19.7	7.43	<1	<1	<1	<1	MTBE 580	
	8/31/16	25.6	7.37	<1	<1	<1	1.21	MTBE 1,090	
	11/29/16	28.8	7.51	<1	<1	<1	1.71	MTBE 1,920	
	5/22/17	48.6	<20	<20	<20	<20	<20	MTBE 2,410	
	11/28/17	44.4	<20	<20	<20	<20	<20	MTBE 3,100	
	6/6/18	42.8	<20	<20	<20	<20	<20	MTBE 2,250	
	11/12/18	Insufficient Water for Sample Collection							
MW-11B	4/26/10	9.5	23	<1	<1	<1	<0.5	----	
Duplicate	10/26/10	7.1	29	<1	<1	<1	<0.5	----	
	3/24/11	10	31	<1	<1	<1	<0.5	----	
	6/7/11	15	43	<1	<1	<1	<0.5	----	
	9/13/11	17	33	<1	<1	<1	<0.5	----	
	12/8/11	5.1	26	<1	<1	<1	<0.5	----	
	4/12/12	8.8	25	<1	<1	<1	<0.5	----	
	6/22/12	12	40	<1	<1	<1	<0.5	----	
	9/14/12	6.2	26	<1	<1	<1	4.3	----	
	9/14/12	6	25	<1	<1	<1	4.3	----	
	11/27/12	<1	28	<1	<1	<1	<0.5	----	
	3/1/13	8.4	30	<1	<1	<1	<0.5	----	
	5/8/13	8.3	50	<1	<1	<1	<0.5	----	
	8/30/13	2.7	34	6.2	<1	<1	<0.5	----	
	12/3/13	8.4	62	3.4	<1	<1	<0.5	----	
	2/19/14	8.3	69	3.7	<1	<1	<0.5	----	
	5/19/14	9.6	51	<1	<1	<1	<0.5	----	
	8/21/14	15	86	1.6	<1	<1	<0.5	----	
	11/21/14	10	37	<1	<1	<1	<0.5	----	
	2/25/15	6.8	54	3.3	<1	<1	<0.5	----	
	5/26/15	8.8	45	6.6	<1	<1	<0.5	----	
	8/21/15	3.4	37	1.2	<0.5	<0.5	<0.5	MTBE 86	
	11/20/15	3.3	32	1.2	<0.5	<0.5	<0.5	MTBE 180	
	3/4/16	5.62	29.9	2.16	<1	<1	<1	MTBE 371	
5/26/16	5.28	32.1	<1	<1	<1	<1	MTBE 901		
8/31/16	5.23	29.2	<1	<1	<1	<1	MTBE 1,160		
11/29/16	6.92	31.6	<1	<1	<1	1.14	MTBE 1,750		
5/22/17	10.4	26.7	<5	<5	<5	<5	MTBE 2,570		
11/29/17	25	26.8	<20	<20	<20	<20	MTBE 3,930		
6/6/18	<20	22.4	<20	<20	<20	<20	MTBE 3,090		
11/12/18	24.4	23.2	<20	<20	<20	<20	MTBE 3,340		
MW-12C	4/26/10	4.0	60	<1	<1	<1	<0.5	----	
	10/26/10	3.2	77	<1	<1	<1	<0.5	----	
	3/24/11	5.0	90	<1	<1	<1	<0.5	----	
	6/7/11	<1	68	<1	<1	<1	<0.5	----	
	Sep-11	C-Zone Groundwater Extraction Wells Put into Operation							
	9/13/11	13	65	<1	<1	<1	<0.5	----	
	12/8/11	2.7	53	<1	<1	<1	<0.5	----	
	4/12/12	1.2	19	<1	<1	<1	<0.5	----	
	6/22/12	4.6	61	<1	<1	<1	<0.5	----	
	9/14/12	4.5	62	<1	<1	<1	11	----	
	11/27/12	1.4	60	<1	<1	<1	14	----	
	3/1/13	2.6	49	<1	<1	<1	<0.5	----	
	5/8/13	4.9	75	<1	<1	<1	<0.5	----	
	8/30/13	3.1	66	<1	<1	<1	<0.5	----	
	12/3/13	6.2	90	<1	<1	<1	<0.5	----	
	2/19/14	4.0	71	<1	<1	<1	<0.5	----	
	5/19/14	6.2	47	<1	<1	<1	<0.5	----	
	11/21/14	11	80	<1	<1	<1	<0.5	----	
2/25/15	7.7	86	<1	1.3	<1	<0.5	----		

Table 4
 Current and Historical Groundwater Analytical Data for VOCs
 Former ANCO Metal Improvement Company
 417 West 164th Street, Carson, CA 90248

Well ID	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	Other VOCs
Duplicate MW12C cont'd	2/25/15	7.8	82	<1	1.1	<1	<0.5	----
	5/26/15	8.0	94	<1	<1	<1	<0.5	----
	8/21/15	4.4	76	0.51	0.7	<0.5	<0.5	----
	11/20/15	4.1	77	0.51	0.8	<0.5	<0.5	----
	3/4/16	5.67	67.8	<1	<1	<1	<1	----
	5/26/16	4.53	81.2	<1	<1	<1	<1	----
	8/31/16	4.25	89.1	<1	<1	<1	<1	----
	11/29/16	4.14	77.3	<1	<1	<1	<1	----
	5/23/17	4.65	91.4	<1	<1	<1	<1	----
	11/28/17	3.96	80.9	19.9	<1	<1	<1	----
	6/6/18	<5	70	20	<5	<5	<5	----
11/12/18	3.35	57.8	17.4	<1	<1	<1	See Att. II	
MW-12D	4/26/10	<1	2.8	<1	<1	<1	<0.5	----
Duplicate	10/26/10	2.5	8	<1	<1	<1	<0.5	----
	3/24/11	2.1	19	<1	4.3	<1	<0.5	----
	6/7/11	<1	40	<1	5.3	<1	<0.5	----
	9/13/11	12	36	<1	<1	<1	<0.5	----
	12/8/11	<1	19	<1	<1	<1	<0.5	----
	4/12/12	1.3	14	<1	<1	<1	<0.5	----
	6/22/12	<1	11	<1	<1	<1	<0.5	----
	9/14/12	80	8.1	<1	<1	<1	<0.5	----
	11/27/12	<1	8.2	<1	<1	<1	<0.5	----
	3/1/13	1.1	9.4	<1	<1	<1	<0.5	----
	5/8/13	1.0	12	<1	<1	<1	<0.5	----
	8/30/13	<1	8.7	7.7	<1	<1	<0.5	----
	12/3/13	<1	6.7	1.5	<1	<1	<0.5	----
	12/3/13	<1	6.9	1.4	<1	<1	<0.5	----
	2/19/14	<1	6.4	1.1	<1	<1	<0.5	----
	5/19/14	<1	7.2	<1	<1	<1	<0.5	----
	8/21/14	<1	9.7	<1	<1	<1	<0.5	----
	11/21/14	<1	8.5	<1	<1	<1	<0.5	----
	2/25/15	<1	3.9	5.9	20	<1	<0.5	----
	5/26/15	1.6	3	4.3	<1	<1	<0.5	----
	8/21/15	0.34 J	1.8	2.8	<0.5	<0.5	<0.5	----
	11/20/15	0.52	2.5	4.1	<0.5	<0.5	<0.5	----
	3/4/16	<1	2.06	4.64	<1	<1	<1	----
	5/26/16	<1	2.67	3.4	<1	<1	<1	----
	8/31/16	<1	1.97	3.51	<1	<1	<1	----
	11/29/16	<1	1.8	2.98	<1	<1	<1	----
5/23/17	<1	2.31	2.08	<1	<1	<1	----	
11/28/17	<1	1.97	2.26	<1	<1	<1	----	
6/6/18	<1	1.5	2.2	<1	<1	<1	See Att. II	
11/12/18	2.09	1.64	<1	<1	<1	<1	See Att. II	
MW-13A	4/26/10	230	24	28	<1	3.2	<0.5	----
Duplicate	10/26/10	520	50	160	49	56	<0.5	----
	3/24/11	630	65	170	47	58	2.6	----
	6/7/11	750	44	120	54	47	2.9	----
	9/13/11	770	43	89	23	29	<0.5	----
	12/8/11	390	28	99	19	26	<0.5	----
	4/12/12	140	14	72	13	15	<0.5	----
	6/21/12	160	18	88	16	19	<0.5	----
	9/14/12	120	13	56	11	10	<0.5	----
	11/28/12	180	20	52	8.4	8	<0.5	----
	11/28/12	170	19	50	7.9	7.4	<0.5	----
	3/4/12	68	8.4	27	4.5	3.3	<0.5	----
	5/9/13	88	8.2	44	4.2	2.7	<0.5	----
	8/30/13	62	11	120	33	10	<0.5	----
	12/4/13	96	8.7	36	5.2	4.6	<0.5	----

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Former ANCO Metal Improvement Company
417 West 164th Street, Carson, CA 90248

Well ID	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	Other VOCs	
MW13A cont'd	2/20/14	77	6.5	19	2.4	1.9	<0.5	----	
	5/20/14	50	6.6	28	4.7	3.4	<0.5	----	
	8/22/14	110	5.5	12	<1	<1	<0.5	----	
	11/21/14	120	9.6	13	10	<1	<0.5	----	
	2/26/15	57	4	12	<1	<1	<0.5	----	
	5/27/15	58	3.3	15	1.8	<1	<0.5	----	
	9/24/15	48	4.3	14	1.2	1.9	<0.5	----	
	11/20/15	Insufficient Groundwater For Sample Collection							
	3/10/16	58	4.57	14	<1	1.99	<1	----	
	5/26/16	50.1	4.26	11.8	<1	1.6	<1	----	
	9/1/16	43.8	3.44	9.74	<1	1.0	<1	----	
	11/30/16	34.7	2.67	6.84	<1	<1	<1	----	
	5/23/17	26.1	1.81	3.24	<1	<1	<1	----	
	11/29/17	24.7	1.52	3.03	<1	<1	<1	----	
6/6/18	25.4	1.57	3.21	<1	<1	<1	----		
11/12/18	Insufficient Groundwater For Sample Collection								
MW-13B	4/26/10	520	40	73	<1	3.2	<0.5	----	
Duplicate	10/26/10	610	53	120	150	<1	<0.5	----	
	3/24/11	870	65	120	58	6	<0.5	----	
	6/7/11	560	73	160	130	6.5	<0.5	----	
	9/13/11	260	67	150	38	2.6	<0.5	----	
	12/8/11	150	67	290	35	<1	<0.5	----	
	4/12/12	460	55	140	28	14	<0.5	----	
	6/21/12	600	110	240	45	25	<0.5	----	
	9/14/12	520	78	160	38	21	13	----	
	11/29/12	640	91	160	54	21	23	----	
	3/4/13	510	94	110	41	30	<0.5	----	
	5/9/13	540	130	120	58	34	<0.5	----	
	8/30/13	220	76	280	280	200	<0.5	----	
	12/4/13	580	87	130	75	69	2	----	
	2/20/14	440	81	100	49	46	2	----	
	5/20/14	490	68	110	93	79	<0.5	----	
	8/22/14	1,800	140	140	130	120	<0.5	----	
	8/22/14	1,800	130	140	120	120	<0.5	----	
	11/21/14	600	84	49	92	39	<0.5	----	
	2/26/15	340	63	87	78	81	<0.5	----	
	5/27/15	360	71	100	93	88	<0.5	----	
	Duplicate	9/24/15	270	57	65	64	63	2.9	----
		9/24/15	240	49	59	50	58	2.8	----
		11/20/15	200	58	70	65	65	2.4	----
		3/10/16	213	45	55.4	65.6	62.5	2.72	----
		5/26/16	206	46	52	62.9	62.8	2.31	----
		9/1/16	185	43.9	51.1	62.9	59.5	2.46	----
		11/30/16	192	46	55.6	62.8	62.2	2.32	F-113 - 1.66
		5/23/17	164	41.9	43.6	71.1	66.2	2.34	F-113 - 1.47
11/29/17	165	41.3	47.5	70.7	65.8	2.37	F-113 - 1.40		
6/6/18	125	31.1	33.9	60.4	57.1	2.56	----		
11/15/18	107	29.7	32.9	66.9	65.7	3.02	----		
MW-14C	4/26/10	24	23	2.4	440	3.2	<0.5	----	
	10/26/10	13	17	1	780	<1	<0.5	----	
	3/25/11	3.5	8.5	1.5	150	2.5	1.4	----	
	6/8/11	4.0	8.1	1	310	3.3	<0.5	----	
	Sep-11	C-Zone Groundwater Extraction Wells Put into Operation							
	9/13/11	14	7.5	<1	140	<1	<0.5	----	
	12/8/11	<1	<1	11	78	<1	<0.5	----	
	4/12/12	39	27	4.2	560	5.4	3.0	----	
	6/21/12	54	37	6.4	760	7.6	5.6	----	
	9/14/12	60	36	4.7	620	5.1	5.8	----	

Table 4
 Current and Historical Groundwater Analytical Data for VOCs
 Former ANCO Metal Improvement Company
 417 West 164th Street, Carson, CA 90248

Well ID	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	Other VOCs	
<i>MW14C cont'd</i>	11/28/12	67	43	3.2	450	3.1	1.4	----	
	3/4/13	50	39	4.8	570	3.3	<0.5	----	
	5/9/13	160	88	4.8	720	2.6	<0.5	----	
	8/30/13	35	32	31	4,400	13	<0.5	----	
	12/4/13	110	43	8.5	1,200	5	2	----	
	2/20/14	130	46	9.3	590	3.6	<0.5	----	
	Duplicate	5/19/14	79	26	8.6	1,100	<1	<0.5	----
		5/19/14	77	28	8.7	1,100	<1	<0.5	----
		8/22/14	230	47	<1	840	4.1	<0.5	----
		11/21/14	220	46	7.2	840	5.6	<0.5	----
	Duplicate	2/26/15	100	33	12	610	3.8	<0.5	----
		5/27/15	140	28	11	580	3.5	<0.5	----
		9/24/15	86	25	9.1	390 E	2.9	1.1	----
		11/20/15	95	24	12	320	2.6	0.82	----
		11/20/15	99	24	12	330	2.6	0.84	----
		3/10/16	135	27	13.9	427	3.16	<1	----
		5/26/16	142	29.2	13.2	407	<5	<5	----
		9/1/16	125	27	14.9	325	2.52	<1	----
		11/30/16	155	29.7	16.2	396	2.68	<1	----
		5/23/17	108	24.8	18	379	<5	<5	----
11/29/17	177	31.8	26.3	336	3.18	<1	----		
6/6/18	134	25	16	277	<5	<5	----		
11/15/18	154	25.2	18.8	293	<5	<5	----		
MW-14D	4/27/10	<1	21	<1	<1	<1	<0.5	----	
	10/26/10	<1	9.1	3.8	3.7	<1	<0.5	----	
	3/25/11	<1	4.8	1.6	20	<1	<0.5	----	
	6/8/11	<1	4.7	<1	29	<1	<0.5	----	
	9/13/11	3.4	4.1	<1	12	<1	<0.5	----	
	12/8/11	<1	9	<1	33	<1	<0.5	----	
	4/12/12	3.3	10	3.4	28	<1	<0.5	----	
	6/21/12	2.2	64	13	23	<1	2.8	----	
	9/14/12	<1	17	5.3	7.2	<1	<0.5	----	
	11/28/12	<1	24	3.8	4.9	<1	<0.5	----	
	3/4/13	<1	26	4.4	6.7	<1	<0.5	----	
	5/9/13	<1	28	8.2	15	<1	<0.5	----	
	8/30/13	<1	21	20	50	<1	<0.5	----	
	12/4/13	<1	35	7.4	7.7	<1	<0.5	----	
	2/20/14	<1	34	7.0	5.4	<1	<0.5	----	
	5/19/14	<1	30	4.7	18	<1	<0.5	----	
	8/22/14	<1	46	8.3	9.4	<1	<0.5	----	
	11/21/14	3.4	56	6.3	17	5.5	<0.5	----	
	2/26/15	<1	24	6.5	4	<1	<0.5	----	
	5/27/15	<1	38	9.1	5.1	<1	<0.5	----	
	9/24/15	0.31 J	36	8	3.1	<0.5	<0.5	----	
	11/20/15	<0.5	34	13	3.1	<0.5	<0.5	----	
	3/10/16	1.88	13.4	68	3.13	<1	<1	----	
	5/26/16	<1	18.5	82.2	3.04	<1	<1	----	
	9/1/16	<1	10.5	79	2.76	<1	<1	----	
	11/30/16	<1	13.4	92.7	2.97	<1	<1	----	
5/23/17	<1	27.7	69.8	2.91	<1	<1	t-DCE 1.56		
11/29/17	<1	41.1	52.8	2.5	<1	<1	t-DCE 1.47		
6/6/18	<10	43.9	43.3	<10	<10	<10	----		
11/15/18	<1	42.7	50.3	3.50	<1	<1	See Att. II		
MW-15	Monitoring Well MW-15 Installed March 2012								
	4/9/12	64	11	12	7.6	4.8	<0.5	----	
	6/19/12	99	17	19	11	8.8	<0.5	----	
	9/13/12	80	16	15	9.7	5.1	2.2	----	
	11/29/12	130	20	14	12	<1	<0.5	----	

Table 4
 Current and Historical Groundwater Analytical Data for VOCs
 Former ANCO Metal Improvement Company
 417 West 164th Street, Carson, CA 90248

Well ID	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	Other VOCs	
<i>MW15 cont'd</i>	3/1/13	110	18	6	<1	<1	<0.5	----	
	5/10/13	130	27	12	8.5	3.6	<0.5	----	
	8/29/13	200	28	5.9	3.6	<1	<0.5	----	
	Duplicate	8/29/13	200	27	6.2	4	<1	<0.5	----
		12/5/13	130	22	11	10	3.7	<0.5	----
		3/5/14	170	20	3.5	18	<1	<0.5	----
		5/20/14	120	20	6.8	8.8	<1	<0.5	----
		8/26/14	180	36	<1	<1	<1	<0.5	----
	Duplicate	8/26/14	190	38	<1	<1	<1	<0.5	----
		11/20/14	170	25	<1	16	<1	<0.5	----
		2/27/15	150	13	5.2	4.2	1.4	<0.5	----
		5/26/15	90	15	4.6	4.6	1.2	<0.5	----
		8/19/15	86	9	4.3	4.3	1.2	<0.5	----
		11/19/15	82	19	4	3.4	1.1	<0.5	----
		3/9/16	86.8	19.7	4.37	4.92	1.21	<1	----
		5/20/16	84	20.1	4	4.06	<1	<1	----
		9/1/16	67	18.8	3.24	3.55	<1	<1	----
		11/29/16	85	21.4	3.5	4.27	<1	<1	----
	5/24/17	63.3	19.3	2.2	3.15	<1	<1	----	
	11/29/17	57.1	17.8	1.75	2.48	<1	<1	----	
6/7/18	50.8	16.6	1.96	2.6	<1	<1	----		
11/14/18	46.6	16.4	1.72	2.22	<1	<1	----		
MW-16C		Monitoring Well MW-16C Installed March 2012							
Duplicate	4/9/12	17	12	<1	6.7	<1	<0.5	----	
	6/19/12	52	29	1.8	28	<1	<0.5	----	
	9/13/12	19	10	<1	7.8	<1	1.5	----	
	11/29/12	26	13	<1	10	<1	<0.5	----	
	3/1/13	15	9.4	<1	<1	<1	<0.5	----	
	5/10/13	30	17	<1	6.9	<1	<0.5	----	
	8/29/13	13	12	<1	2.5	<1	<0.5	----	
	12/5/13	41	19	1.3	18	<1	<0.5	----	
	3/5/14	49	17	<1	22	<1	<0.5	----	
	3/5/14	47	18	<1	22	<1	<0.5	----	
	5/20/14	25	12	9.7	16	<1	<0.5	----	
	8/26/14	46	20	<1	22	<1	<0.5	----	
	11/20/14	34	16	<1	20	<1	<0.5	----	
	2/27/15	30	9.2	<1	7.8	<1	<0.5	----	
	5/26/15	39	12	<1	10	<1	<0.5	----	
	8/19/15	24	12	0.72	9.1	<0.5	<0.5	----	
	Duplicate	8/19/15	21	11	0.81	6.4	<0.5	<0.5	----
		11/19/15	31	14	0.94	8.9	<0.5	<0.5	----
		3/9/16	27.7	12.8	<1	11.2	<1	<1	----
		5/20/16	25.5	12.6	<1	8.95	<1	<1	----
9/1/16		32.6	14.9	1.44	12.8	<1	<1	----	
11/29/16		42.9	16.6	1.58	14.6	<1	<1	----	
5/24/17		30.5	14.2	1.26	11.8	<1	<1	----	
11/29/17		23.2	13.8	1.27	8.94	<1	<1	----	
6/7/18		31.2	12.2	1.26	10.6	<1	<1	----	
11/14/18	39.2	14.9	2.32	17.2	<1	<1	----		
MW-17A		Monitoring Well MW-17A Installed November 2013							
	12/3/13	130	200	9.2	1.2	<1	<0.5	----	
	2/19/14	180	290	9.9	<1	<1	<0.5	----	
	5/16/14	170	270	11	1.3	<1	<0.5	----	
	8/22/14	340	430	16	<1	<1	<0.5	----	
	11/19/14	380	500	24	<1	<1	<0.5	----	
	2/25/15	250	240	9.6	1.4	<1	<0.5	----	
	5/22/15	170	160	10	1.8	<1	<0.5	----	
	8/21/15	220 E	150 E	12	1.7	<0.5	<0.5	----	

Table 4
 Current and Historical Groundwater Analytical Data for VOCs
 Former ANCO Metal Improvement Company
 417 West 164th Street, Carson, CA 90248

Well ID	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	Other VOCs
Duplicate <i>MW17A cont'd</i>	11/18/15	160	130	9.8	1.4	<0.5	<0.5	----
	11/18/15	140	130	11	1.4	<0.5	<0.5	----
	3/2/16	193	126	11.8	2.13	<1	<1	----
	5/25/16	241	139	13.4	2.24	<1	<1	----
	8/30/16	229	130	13.9	2.38	<1	<1	----
	11/30/16	225	129	15.5	2.95	<1	<1	F-113 1.25
	03/06/17	216	128	12.6	2.4	<1	<1	F-113 1.04
	05/19/17	141	209	6.53	1.2	<1	<1	See Att. II
	09/22/17	141	264	7.37	1.22	<1	<1	See Att. II
	12/05/17	183	195	11.3	1.9	<1	<1	See Att. II
	06/07/18	196	196	8.95	<5	<5	<5	----
11/09/18	146	151	8.1	<2	<2	<2	See Att. II	
MW-17C	Monitoring Well MW-17C Installed November 2013							
	12/3/13	160	28	18	3	<1	<0.5	----
	2/19/14	180	43	20	2.6	<1	<0.5	----
	5/16/14	190	33	19	4.1	<1	<0.5	----
	8/22/14	390	51	16	<1	<1	<0.5	----
	11/19/14	190	51	39	<1	<1	<0.5	----
	2/25/15	240	49	22	2.9	<1	<0.5	----
	5/22/15	130	46	120	2.5	<1	<0.5	----
	8/21/15	130 E	57	100 E	1.8	<0.5	<0.5	----
	11/20/15	92	60	55	2	<0.5	<0.5	----
	3/2/16	113	55.5	61.1	1.82	<1	<1	----
	5/25/16	94.7	56.9	34.8	1.83	<1	<1	----
	8/30/16	93.8	56.7	37	1.68	<1	<1	----
	11/30/16	97.7	62.5	31.9	1.86	<1	<1	----
	03/06/17	105	72.6	22.5	2.31	<1	<1	----
	05/19/17	103	61.2	16.9	1.93	<1	<1	----
	09/22/17	86	60	22.9	2.21	<1	<1	----
12/05/17	84	56.8	57.4	1.99	<1	<1	----	
06/07/18	101	52.2	19	1.99	<1	<1	----	
11/09/18	75.5	42.4	16.2	1.57	<1	<1	See Att. II	
MW-17D	Monitoring Well MW-17D Installed November 2013							
Duplicate	12/3/13	<1	17	3.2	<1	<1	<0.5	----
	2/19/14	<1	20	3.1	<1	<1	<0.5	----
	5/16/14	<1	29	5.5	<1	<1	<0.5	----
	5/16/14	<1	28	5.5	<1	<1	<0.5	----
	8/22/14	<1	48	<1	<1	<1	<0.5	----
	11/19/14	<1	36	8	<1	<1	<0.5	----
	2/25/15	2.2	23	5	<1	<1	<0.5	----
	5/22/15	2.8	17	5.5	<1	<1	<0.5	----
	8/21/15	<0.5	18	3.6	<0.5	<0.5	<0.5	----
	11/18/15	<0.5	19	3.8	<0.5	<0.5	<0.5	----
	3/2/16	<1	18.8	4.87	<1	<1	<1	----
	5/25/16	<1	19.6	4.21	<1	<1	<1	----
	8/30/16	<1	19.9	4.31	<1	<1	<1	----
	11/30/16	<1	19.5	4.66	<1	<1	<1	----
	03/06/17	<1	19.6	4.66	<1	<1	<1	----
	05/19/17	<1	16.7	4.25	<1	<1	<1	----
	09/22/17	<1	16.9	4.23	<1	<1	<1	----
12/05/17	<1	21.3	5.69	<1	<1	<1	----	
06/07/18	<1	16.7	4.72	<1	<1	<1	----	
11/09/18	<1	18	5.68	<1	<1	<1	See Att. II	
MW-18A	Monitoring Well MW-18A Installed April 2016							
	6/3/16	18.9	48.7	<1	<1	<1	<1	----
	9/9/16	17.3	64.6	1.82	3.22	<1	<1	----
	12/02/16	19.3	81	4.83	<1	<1	<1	----

Table 4
 Current and Historical Groundwater Analytical Data for VOCs
 Former ANCO Metal Improvement Company
 417 West 164th Street, Carson, CA 90248

Well ID	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	Other VOCs
MW18A cont'd	03/03/17	18.5	140	5.3	1.19	<1	<1	t-DCE 7.26
	05/19/17	28.1	95.6	1.57	<1	<1	<1	t-DCE 1.34
	09/22/17	42.5	130	<1	<1	<1	<1	-----
	12/01/17	32.5	107	<1	<1	<1	<1	-----
	06/08/18	37.3	93.3	<1	<1	<1	<1	-----
	11/09/18	42.2	104	<1	<1	<1	<1	MEK - 15
MW-18C		Monitoring Well MW-18C Installed April 2016						
Duplicate	6/3/16	117	898	8.05	<5	<5	<5	-----
	6/3/16	113	886	8.45	<5	<5	<5	-----
Duplicate	9/9/16	110	918	8.1	<5	<5	<5	-----
	9/9/16	110	920	7.75	<5	<5	<5	-----
	12/02/16	140	940	9.65	<5	<5	<5	-----
	03/03/17	138	991	11.5	<5	<5	<5	-----
	05/19/17	123	842	9.75	<5	<5	<5	-----
	09/22/17	132	1,050	10.2	<5	<5	<5	-----
	12/01/17	149	1,070	10.8	<5	<5	<5	-----
	06/08/18	137	843	13	<5	<5	<5	-----
11/09/18	138	831	16.6	<10	<10	<10	-----	
MW-18D		Monitoring Well MW-18D Installed April 2016						
	6/3/16	<1	20.8	6.61	<1	<1	<1	-----
	9/9/16	<1	23.5	6.50	<1	<1	<1	MTBE 4.34
	12/02/16	<1	28.2	6.46	<1	<1	1.07	MTBE 5.31
	03/03/17	<1	31.9	7.44	<1	<1	<1	MTBE 5.89
	05/19/17	<1	28	7.09	<1	<1	<1	MTBE 5.4
	09/22/17	<1	39.4	9.35	<1	<1	<1	MTBE 7.28
	12/01/17	<1	29.9	8.17	<1	<1	<1	MTBE 5.97
	06/08/18	<2	31	9.38	<2	<2	<2	MTBE 7.12
	11/09/18	<1	34.6	11.3	<1	<1	<1	MTBE 7.87
OW-4A	3/5/08	1,120	48	<10	<10	<10	<10	-----
	4/23/10	1,200	71	87	8.6	<1	<0.5	-----
	10/26/10	820	43	110	7.5	<1	<0.5	-----
	3/25/11	510	27	92	<1	<1	<0.5	-----
	6/7/11	740	29	83	<1	<1	<0.5	-----
	9/14/11	250	22	65	<1	<1	<0.5	-----
	12/8/11	100	9.6	38	<1	<1	<0.5	-----
	4/9/12	110	7.3	21	<1	<1	<0.5	-----
	6/29/12	190	11	7.2	<1	<1	1.6	-----
	9/13/12	87	9.3	2.2	<1	<1	1.6	-----
	11/27/12	100	9.3	<1	<1	<1	<0.5	-----
	3/1/13	75	6.4	<1	<1	<1	<0.5	-----
	5/10/13	81	9.1	<1	<1	<1	<0.5	-----
	8/29/13	150	14	<1	<1	<1	<0.5	-----
	12/2/13	62	7.3	<1	<1	<1	<0.5	-----
	2/20/14	37	4.8	<1	<1	<1	<0.5	-----
	5/16/14	26	3.2	<1	<1	<1	<0.5	-----
	8/19/14	46	5.9	<1	<1	<1	<0.5	-----
	11/19/14	33	4.3	<1	<1	<1	<0.5	-----
	2/26/15	15	2.1	<1	<1	<1	<0.5	-----
	5/22/15	2.2	12	<1	<1	<1	<0.5	-----
	8/21/15	11	1.9	<0.5	<0.5	<0.5	<0.5	-----
	11/19/15	14	3.1	<0.5	<0.5	<0.5	<0.5	-----
	3/2/16	17.1	4.62	<1	<1	<1	<1	-----
5/20/16	21.4	6.39	<1	<1	<1	<1	-----	
8/30/16	13.7	5.79	<1	<1	<1	<1	-----	
11/30/16	14.2	6.36	<1	<1	<1	<1	F-113 26.1	
5/19/17	11.4	5.15	<1	<1	<1	<1	F-113 20.9	
11/30/17	10.1	4.64	<1	<1	<1	<1	F-113 19.0	

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Former ANCO Metal Improvement Company
417 West 164th Street, Carson, CA 90248

Well ID	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	Other VOCs	
OW4A cont'd	6/6/18	10.3	3.89	<1	<1	<1	<1	F-113 23.0	
	11/12/18	11.9	5.15	<1	<1	<1	<1	F-113 22.8	
OW-4B	3/5/08	634	32	<10	<10	<10	<10	----	
Duplicate	4/23/10	2,600	47	11	4	<1	<0.5	----	
	10/26/10	2,200	45	12	12	<1	<0.5	----	
	3/25/11	2,400	45	16	11	<1	<0.5	----	
	6/7/11	140	15	72	<1	<1	<0.5	----	
	9/14/11	1,300	56	16	12	<1	<0.5	----	
	12/8/11	70	13	320	<1	<1	<0.5	----	
	4/9/12	31	3.2	240	<1	<1	<0.5	----	
	6/21/12	670	61	46	9.2	<1	<0.5	----	
	9/14/12	250	19	130	2.9	<1	<0.5	----	
	11/27/12	410	35	89	<1	<1	8.7	----	
	3/1/13	540	35	28	<1	<1	<0.5	----	
	5/10/13	450	37	27	2.5	<1	<0.5	----	
	8/29/13	1,200	85	11	2.7	<1	<0.5	----	
	12/2/13	840	55	17	6.6	<1	<0.5	----	
	2/20/14	590	46	13	3.5	<1	<0.5	----	
	5/16/14	690	46	14	5.9	<1	<0.5	----	
	8/19/14	1,200	56	12	4.4	<1	<0.5	----	
	11/19/14	1,100	68	23	8.1	<1	<0.5	----	
	2/26/15	520	30	7.8	3.1	<1	<0.5	----	
	5/22/15	570	25	7.7	2.8	<1	<0.5	----	
	8/21/15	480 E	31	7.6	2.0	<0.5	<0.5	TCFM 0.35J	
	11/19/15	440	33	48	1.9	<0.5	<0.5	----	
	3/2/16	419	25.9	20.8	1.8	<1	<1	----	
	5/20/16	483	29.7	7.8	<5	<5	<5	----	
	5/20/16	496	29.4	7.2	<5	<5	<5	----	
	8/30/16	407	28.8	5.2	<5	<5	<5	----	
	11/30/16	390	28.5	5.16	1.6	<1	<1	See Att. II	
	5/19/17	292	20.3	2.42	1.0	<1	<1	See Att. II	
11/30/17	301	21.7	5.03	1.1	<1	<1	F-113 11.9		
6/6/18	290	20.3	<5	<5	<5	<5	F-113 17.8		
11/12/18	237	17.4	<5	<5	<5	<5	F-113 13.8		
OW-4C	3/5/08	85	14.5	<1	<1	<1	<1	----	
Duplicate	4/23/10	1,300	83	7.3	43.0	<1	<0.5	----	
	10/26/10	890	63	4.1	48	<1	<0.5	----	
	3/25/11	1,200	81	9	36	<1	<0.5	----	
	6/7/11	180	31	3.4	8.9	<1	<0.5	----	
	Sep-11	C-Zone Groundwater Extraction Wells Put into Operation							
	9/14/11	250	36	<1	11	<1	<0.5	----	
	12/8/11	240	30	<1	10	<1	<0.5	----	
	4/9/2012	150	18	3	5.3	<1	<0.5	----	
	6/21/12	790	93	13	48	<1	<0.5	----	
	9/13/12	650	52	8.2	25	<1	8.2	----	
	11/27/12	770	57	<1	30	<1	14	----	
	11/27/12	780	55	<1	30	<1	13	----	
	3/1/13	750	43	2.6	30	<1	<0.5	----	
	5/10/13	1,100	71	5.5	15	<1	<0.5	----	
	8/29/13	1,600	98	4.2	11	<1	<0.5	----	
	12/2/13	1,200	72	6.9	26	<1	<0.5	----	
	2/20/14	1,300	93	8.2	21	<1	<0.5	----	
	2/20/14	1,300	90	7.9	19	<1	<0.5	----	
	5/16/14	1,200	82	8.4	27	<1	<0.5	----	
	8/19/14	2,400	120	6.9	28	<1	<0.5	----	
	8/19/14	2,500	130	7.4	30	<1	<0.5	----	
	11/19/14	1,900	91	5.3	32	3.9	<0.5	----	
	2/26/15	59	3.1	<1	<1	<1	<0.5	----	

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Former ANCO Metal Improvement Company
417 West 164th Street, Carson, CA 90248

Well ID	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	Other VOCs
Duplicate	5/22/15	810	49	5.4	11	<1	<0.5	----
	5/22/15	800	48	5.5	11	<1	<0.5	----
OW4C cont'd	8/21/15	670 E	54	4.9	7.6	<0.5	<0.5	TCFM 1.6
	11/19/15	260	26	1.9	1.6	<0.5	<0.5	----
	3/9/16	577	56	4.72	7.99	<1	<1	TCFM 1.74
	5/20/16	747	56.6	4.48	6.58	<2	<2	----
	8/30/16	585	50.6	3.36	4.22	<1	<1	TCFM 1.46
	11/30/16	562	47.4	3.3	3.85	<1	<1	See Att. II
	5/19/17	396	38.8	2.34	3.34	<1	<1	See Att. II
	11/30/17	642	53.8	<1	5.25	<1	<1	----
	6/6/18	702	54.5	<10	<10	<10	<10	----
	11/12/18	414	37.2	<5	<5	<5	<5	----
OW-4D	9/14/11	23	51	<1	6.9	<1	<0.5	----
Duplicate	12/8/11	5.5	27	<1	<1	<1	<0.5	----
	4/9/12	5.7	24	<1	3.1	<1	<0.5	----
	6/21/12	13	53	1.7	2.2	<1	<0.5	----
	9/13/12	1.2	25	<1	<1	<1	3.6	----
	11/27/12	<1	28	<1	<1	<1	<0.5	----
	3/1/13	2.3	20	<1	<1	<1	<0.5	----
	5/9/13	<1	29	<1	<1	<1	<0.5	----
	8/29/13	5.6	35	<1	<1	<1	<0.5	----
	12/2/13	4.1	29	1.9	<1	<1	<0.5	----
	2/20/14	<1	33	1.9	<1	<1	<0.5	----
	5/16/14	<1	22	2	<1	<1	<0.5	----
	8/19/14	<1	36	<1	<1	<1	<0.5	----
	11/19/14	8.8	47	<1	<1	<1	<0.5	----
	2/27/15	39	25	2.5	<1	<1	<0.5	----
	5/22/15	1.8	22	3	<1	<1	<0.5	----
	5/22/15	2.1	22	2.9	<1	<1	<0.5	----
	8/19/15	0.30 J	24	2.9	<0.5	<0.5	<0.5	----
	11/19/15	<0.5	27	3.1	<0.5	<0.5	<0.5	----
	3/2/16	<1	25.7	3.61	<1	<1	<1	----
	5/25/16	<1	28	3.34	<1	<1	<1	----
8/30/16	<1	25.9	3.51	<1	<1	<1	----	
12/1/16	<1	26.9	3.93	<1	<1	<1	----	
5/19/17	<1	21.7	3.39	<1	<1	<1	----	
12/5/17	<1	27.8	3.6	<1	<1	<1	----	
6/6/18	<1	13.6	11.7	<1	<1	<1	----	
11/12/18	<1	16.5	16.2	<1	<1	<1	----	
June 2000 Groundwater Investigation								
GW-6	6/23/00	3,760	<50	<50	<50	<50	<50	----
GW-7	6/23/00	16,800	<50	<50	<50	<50	<50	----
October 2006 Groundwater Investigation								
GW-9	10/19/06	297	10.4	<5	<5	<5	<5	----
GW-10	10/19/06	731	<10	<10	<10	<10	<10	TCFM 16
GW-11	10/19/06	5,140	<50	<50	<50	<50	<50	----
GW-12	10/20/06	177	4.3	<1	<1	<1	<1	TCFM 21.8
GW-13	10/19/06	4,590	<50	<50	<50	<50	<50	----
GW-14	10/18/06	1,360	<10	<10	<10	<10	<10	TCFM 47
GW-15	10/19/06	1,860	12	<10	<10	<10	<10	----
GW-16	10/20/06	2,260	<20	<20	<20	<20	<20	----
GW-18	10/20/06	460	16	<10	<10	<10	<10	----
GW-20	10/20/06	871	10	<10	<10	<10	<10	----
April 2007 Groundwater Investigation								
GW-21	4/30/07	20	3.7	<1	6.2	<1	<1	----
GW-22	4/30/07	46.3	6.4	<1	<1	<1	<1	----
GW-23	4/30/07	1,210	36	21	<10	<10	<10	----
GW-24	4/26/07	132	13.5	25.9	11.3	8	<1	----

Table 4
 Current and Historical Groundwater Analytical Data for VOCs
 Former ANCO Metal Improvement Company
 417 West 164th Street, Carson, CA 90248

Well ID	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	Other VOCs
GW-25	4/26/07	230	12.7	7	5.3	<5	<5	----
GW-26	4/26/07	118	18.2	5.9	<1	<1	<1	----
GW-27	4/26/07	3.1	10.5	<1	<1	<1	<1	----
GW-28	4/30/07	56	<1	<1	<1	<1	<1	TCFM 12.9
GW-29	4/30/07	30.7	17.9	<1	<1	<1	<1	----
GW-30	4/30/07	6.4	3.9	<1	<1	<1	<1	----
Vertical Groundwater Characterization								
CPT-1-40	4/30/07	2,700	<20	<20	<20	<20	<20	----
CPT-1-50	4/30/07	1,090	<20	<20	<20	<20	<20	----
CPT-1-62	4/30/07	160	9.8	<2	<2	<2	<2	----
CPT-1-88	4/30/07	919	48	<10	<10	<10	<10	----
CPT-1-112	4/30/07	<1	<1	<1	<1	<1	<1	----
July 2007 Groundwater Investigation (Up-Gradient)								
GW-31	7/18/07	<1	3.3	<1	<1	<1	<1	----
GW-32	7/19/07	21.9	<1	<1	<1	<1	<1	TCFM 2.3
GW-33	7/18/07	2.9	1.3	<1	<1	<1	<1	----
GW-34	7/18/07	<1	<1	<1	<1	<1	<1	----
September 2007 Groundwater Investigation (Down-Gradient)								
GW-35	9/11/07	18.1	7.7	<1	<1	<1	<1	----
GW-36	9/11/07	33.3	6.1	1.4	<1	<1	<1	TCFM 2.3
GW-37	9/11/07	32	5	1.2	<1	<1	<1	----
November 2008 Groundwater Investigation (Down-Gradient)								
GW-38	11/13/08	23.7	2.09	1.43	<1.0	<1	<1	----
GW-39	11/13/08	89.8	8.47	6.07	1.81	<1	<1	----
GW-40	11/13/08	910	34.3	15	52.2	<10	<10	----
GW-41	11/13/08	540	32.7	<10	<10	<10	<10	----
GW-42	11/14/08	41.5	2.6	<1.0	<1.0	<1	<1	----
GW-43	11/14/08	344	29.5	76.0	10.6	<10	<10	----
GW-44	11/13/08	650	36.1	43.6	15.9	<10	<10	----
December 2009 Groundwater Investigation (Down-Gradient)								
CPT2-118	12/8/09	<1	<1	<1	<1	<1	<0.5	----
CPT3-120	12/8/09	<1	<1	<1	<1	<1	<0.5	----
August 2010 Groundwater Investigation (Down-Gradient)								
CPT-4A-45	8/23/10	<1	<1	<1	<1	<1	<0.5	----
CPT-4B-65	8/23/10	<1	<1	<1	<1	<1	<0.5	----
CPT-4C-85	8/23/10	<1	<1	<1	<1	<1	104	----
CPT-4D-108	8/23/10	<1	397	<1	<1	<1	<0.5	----

n/a = Not Analyzed ----- = ND or Data Not Available

J = Analyte detected below PQL

Results presented in micrograms per liter (µg/L)

TCFM = Trichlorofluoromethane (Freon-11)

CF = Chloroform

F-113 = 1,1,2-Trichloro-1,2,2-Trifluoroethane

E = Value above quantitation range.

Table 5
Historical Groundwater Analytical Data for Metals
Former ANCO Metal Improvement Company
417 W. 164th Street, Carson, California

Well ID	Date	Sb	Ba	Total Cr	Cr VI*	Co	Cu	Ni	Se	Ag	Tl	V	Zn
MW-1	6/23/00	ND	0.123	0.047	n/a	ND	ND	ND	ND	ND	ND	ND	ND
	12/13/00	ND	0.125	0.035	n/a	ND	ND	ND	ND	ND	ND	ND	ND
	10/4/01	ND	0.110	0.030	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/27/03	ND	0.139	0.028	0.0126	ND	ND	0.012	ND	ND	ND	0.026	0.027
	7/15/04	ND	0.087	ND	0.0049	ND	ND	ND	ND	ND	ND	0.012	ND
	3/10/05	ND	0.157	0.020	ND	ND	ND	0.014	ND	ND	ND	0.033	0.034
	1/12/06	n/a	n/a	0.018	0.0066	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	7/21/06	n/a	n/a	0.040	0.0010	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	1/30/07	n/a	n/a	ND	0.0080	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	5/18/07	n/a	n/a	ND	0.0093	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/17/07	n/a	n/a	0.030	0.0079	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	3/12/08	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/6/08	n/a	n/a	0.0315	0.0068	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	9/9/08	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/20/08	n/a	n/a	0.0186	0.00811	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	4/27/10	n/a	n/a	ND <0.01	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
10/27/10	n/a	n/a	ND <0.01	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
4/7/11	n/a	n/a	ND <0.01	ND <0.02	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
5/24/16	n/a	n/a	ND <0.05	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
MW-2	3/14/00	ND	0.046	ND	n/a	ND	ND	0.010	ND	ND	0.098	ND	ND
	6/23/00	ND	0.049	ND	n/a	ND	ND	ND	ND	ND	ND	ND	ND
	12/13/00	ND	0.062	ND	n/a	ND	ND	ND	ND	ND	ND	ND	0.026
	10/4/01	ND	0.120	ND	ND	ND	0.020	ND	ND	ND	ND	0.030	0.040
	3/27/03	ND	0.325	0.054	0.0036	0.025	0.050	0.045	ND	ND	ND	0.091	0.137
	7/15/04	ND	0.029	ND	0.0026	ND	ND	ND	ND	ND	ND	ND	0.021
	3/10/05	ND	0.136	0.023	ND	ND	ND	0.021	ND	0.014	0.051	0.057	ND
	1/12/06	n/a	n/a	0.024	0.0034	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	7/21/06	n/a	n/a	0.040	0.0052	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	1/30/07	n/a	n/a	ND	0.0036	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	5/18/07	n/a	n/a	ND	0.0059	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/17/07	n/a	n/a	0.024	0.0048	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	3/12/08	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/6/08	n/a	n/a	0.0377	0.0055	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	9/9/08	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/20/08	n/a	n/a	0.0174	0.00638	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
4/27/10	n/a	n/a	ND <0.01	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
10/27/10	n/a	n/a	ND <0.01	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
4/7/11	n/a	n/a	ND <0.01	ND <0.02	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
11/17/15	0.0074	0.021	0.0058	n/a	ND	0.01	ND	ND	0.0013	0.0069	0.0027	0.015	
5/24/16	n/a	n/a	ND <0.05	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
12/1/16	n/a	n/a	0.0088	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
MW-3	6/23/00	ND	0.049	ND	n/a	ND	ND	ND	ND	ND	ND	ND	ND
	12/13/00	ND	0.045	ND	n/a	ND	ND	ND	ND	ND	ND	ND	ND
	10/4/01	ND	0.040	ND	n/a	ND	ND	ND	ND	ND	ND	ND	ND
	3/27/03	ND	0.048	ND	n/a	ND	ND	ND	ND	ND	ND	0.013	0.028
	7/15/04	ND	0.053	ND	0.0029	ND	ND	ND	ND	ND	ND	0.016	ND
	3/10/05	ND	0.109	0.020	ND	ND	ND	0.018	ND	0.017	ND	0.034	0.054
	1/12/06	n/a	n/a	0.025	0.0304	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	7/21/06	n/a	n/a	0.070	0.0061	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	1/30/07	n/a	n/a	ND	0.0033	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	5/18/07	n/a	n/a	ND	0.0062	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/17/07	n/a	n/a	0.028	0.0048	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	3/12/08	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/6/08	n/a	n/a	0.0238	0.0036	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	9/9/08	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/20/08	n/a	n/a	0.0207	0.00422	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	4/27/10	n/a	n/a	ND <0.01	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
10/27/10	n/a	n/a	ND <0.01	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
4/7/11	n/a	n/a	ND <0.01	ND <0.02	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
11/17/15	ND	0.024	0.0051	n/a	ND	0.01	ND	ND	0.0014	0.007	0.0025	0.0065	
5/24/16	n/a	n/a	ND <0.05	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
12/1/16	n/a	n/a	0.0087	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Table 5
Historical Groundwater Analytical Data for Metals
Former ANCO Metal Improvement Company
417 W. 164th Street, Carson, California

Well ID	Date	Sb	Ba	Total Cr	Cr VI*	Co	Cu	Ni	Se	Ag	Tl	V	Zn
MW-4	6/23/00	ND	0.063	ND	n/a	ND	ND	ND	ND	ND	ND	ND	ND
	12/13/00	ND	0.066	ND	n/a	ND	ND	ND	ND	ND	ND	ND	ND
	10/4/01	ND	0.080	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.030
	3/27/03	ND	0.179	0.027	0.0026	ND	0.021	0.026	ND	ND	ND	0.044	0.097
	7/15/04	ND	0.055	ND	0.0017	ND	ND	ND	ND	ND	ND	ND	0.036
	3/10/05	ND	0.116	0.012	ND	ND	ND	0.021	ND	ND	ND	0.031	0.168
	1/12/06	n/a	n/a	0.031	0.0032	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	7/21/06	n/a	n/a	0.070	0.0048	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	1/30/07	n/a	n/a	0.030	0.0035	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	5/18/07	n/a	n/a	ND	0.0052	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/17/07	n/a	n/a	0.055	0.0047	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	3/12/08	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/6/08	n/a	n/a	0.0361	0.0038	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	9/9/08	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/20/08	n/a	n/a	0.0229	0.00473	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	4/27/10	n/a	n/a	ND <0.01	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	10/27/10	n/a	n/a	0.032	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
4/7/11	n/a	n/a	ND <0.01	ND <0.02	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
5/24/16	n/a	n/a	ND <0.05	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
MW-5	3/14/00	0.07	0.08	7.03	n/a	ND	ND	0.011	0.021	ND	0.093	ND	n/a
	6/23/00	0.37	0.10	14.60	14.10	ND	ND	ND	ND	ND	ND	ND	ND
	12/13/00	0.17	0.10	17.20	n/a	ND	ND	ND	ND	ND	ND	ND	0.126
	10/4/01	0.09	0.06	8.13	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/27/03	ND	0.24	1.68	1.33	0.022	0.035	0.041	ND	ND	ND	0.080	0.122
	7/15/04	ND	0.05	0.23	0.155	ND	ND	ND	ND	ND	ND	ND	ND
	3/10/05	0.02	0.22	0.58	0.0392	0.020	0.032	0.038	ND	ND	ND	0.081	0.109
	1/12/06	n/a	n/a	0.138	0.150	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	7/21/06	n/a	n/a	0.40	0.301	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	1/30/07	n/a	n/a	0.25	0.178	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	5/18/07	n/a	n/a	0.313	0.282	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/17/07	n/a	n/a	0.22	0.144	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	3/12/08	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/6/08	n/a	n/a	0.14	0.0863	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	9/9/08	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/20/08	n/a	n/a	0.128	0.11	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	4/27/10	n/a	n/a	ND <0.01	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
10/27/10	n/a	n/a	0.035	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
4/7/11	n/a	n/a	0.037	ND <0.02	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
11/17/15	ND	0.049	0.013	n/a	ND	0.0079	0.00086	ND	0.0012	0.0067	0.0026	0.019	
5/24/16	n/a	n/a	ND <0.05	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
12/1/16	n/a	n/a	0.006	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
MW-6	1/12/06	n/a	n/a	0.822	0.849	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	4/21/06	n/a	n/a	1.33	1.33	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	7/21/06	n/a	n/a	1.40	1.82	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	10/24/06	n/a	n/a	0.93	1.04	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	1/30/07	n/a	n/a	0.54	0.659	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	5/21/07	n/a	n/a	1.004	0.993	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	9/27/07	n/a	n/a	1.73	0.938	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/17/07	n/a	n/a	0.973	0.818	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	3/12/08	n/a	n/a	0.621	0.489	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/6/08	n/a	n/a	0.302	0.227	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	9/9/08	n/a	n/a	0.403	0.348	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	12/20/08	n/a	n/a	0.237	0.22	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	4/28/10	n/a	n/a	ND	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	10/27/10	n/a	n/a	0.079	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	4/7/11	n/a	n/a	0.033	ND	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/20/12	n/a	n/a	0.77	0.04	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	11/28/12	n/a	n/a	ND <0.01	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
5/9/13	n/a	n/a	ND <0.01	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
12/2/13	n/a	n/a	ND <0.01	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
5/15/14	n/a	n/a	ND <0.01	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
8/26/14	n/a	n/a	ND <0.01	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
5/24/16	n/a	n/a	ND <0.05	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
12/1/16	n/a	n/a	0.01	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Table 5
Historical Groundwater Analytical Data for Metals
Former ANCO Metal Improvement Company
417 W. 164th Street, Carson, California

Well ID	Date	Sb	Ba	Total Cr	Cr VI*	Co	Cu	Ni	Se	Ag	Tl	V	Zn
MW-7	1/12/06	n/a	n/a	0.557	0.571	n/a							
	4/21/06	n/a	n/a	0.66	0.674	n/a							
	7/21/06	n/a	n/a	1.00	0.943	n/a							
	10/24/06	n/a	n/a	0.57	0.676	n/a							
	1/30/07	n/a	n/a	0.93	1.160	n/a							
	5/18/07	n/a	n/a	0.922	0.953	n/a							
	9/27/07	n/a	n/a	2.23	1.190	n/a							
	12/17/07	n/a	n/a	1.34	1.290	n/a							
	3/12/08	n/a	n/a	1.35	1.290	n/a							
	6/6/08	n/a	n/a	0.888	0.763	n/a							
	9/9/08	n/a	n/a	1.16	1.09	n/a							
	12/20/08	n/a	n/a	0.848	0.764	n/a							
	4/28/10	n/a	n/a	ND	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
10/27/10	n/a	n/a	0.140	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
4/7/11	n/a	n/a	0.302	ND <0.02	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
MW-8	1/12/06	n/a	n/a	0.879	0.844	n/a							
	4/21/06	n/a	n/a	1.13	1.22	n/a							
	7/21/06	n/a	n/a	1.30	1.46	n/a							
	10/24/06	n/a	n/a	0.932	1.05	n/a							
	1/30/07	n/a	n/a	1.185	1.43	n/a							
	5/21/07	n/a	n/a	1.045	0.997	n/a							
	9/27/07	n/a	n/a	2.14	1.11	n/a							
	12/17/07	n/a	n/a	1.50	1.04	n/a							
	3/12/08	n/a	n/a	0.91	0.882	n/a							
	6/6/08	n/a	n/a	0.564	0.491	n/a							
	9/9/08	n/a	n/a	0.787	0.724	n/a							
	12/20/08	n/a	n/a	0.538	0.484	n/a							
	4/27/10	n/a	n/a	ND <0.01	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	10/27/10	n/a	n/a	ND <0.01	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	4/7/11	n/a	n/a	ND <0.01	ND <0.02	n/a							
5/24/16	n/a	n/a	ND <0.05	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
12/1/16	n/a	n/a	0.0071	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
MW-9A	4/23/10	n/a	n/a	ND	ND	n/a							
	10/26/10	n/a	n/a	0.15	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	3/24/11	n/a	n/a	ND	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/7/11	n/a	n/a	ND	ND	n/a							
MW-9B	4/23/10	n/a	n/a	ND	ND	n/a							
	10/26/10	n/a	n/a	ND	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	3/24/11	n/a	n/a	ND	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/7/11	n/a	n/a	ND	ND	n/a							
MW-9C	4/23/10	n/a	n/a	ND	ND	n/a							
	10/26/10	n/a	n/a	ND	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	3/24/11	n/a	n/a	ND	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/7/11	n/a	n/a	ND	ND	n/a							
MW-10A	4/23/10	n/a	n/a	ND	ND	n/a							
	10/26/10	n/a	n/a	ND	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	3/24/11	n/a	n/a	ND	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/7/11	n/a	n/a	ND	ND	n/a							
MW-10B	4/23/10	n/a	n/a	ND	ND	n/a							
	10/26/10	n/a	n/a	ND	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	3/24/11	n/a	n/a	ND	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/7/11	n/a	n/a	ND	ND	n/a							
MW-10C	4/23/10	n/a	n/a	ND	ND	n/a							
	10/26/10	n/a	n/a	ND	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	3/24/11	n/a	n/a	ND	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
		n/a	n/a	ND	ND	n/a							
MW-11A	4/26/10	n/a	n/a	ND	ND	n/a							
	10/26/10	n/a	n/a	ND	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	3/24/11	n/a	n/a	ND	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/7/11	n/a	n/a	ND	ND	n/a							
MW-11B	4/26/10	n/a	n/a	ND	ND	n/a							
	10/26/10	n/a	n/a	ND	ND	n/a							
	3/24/11	n/a	n/a	ND	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/7/11	n/a	n/a	ND	ND	n/a							

Table 5
 Historical Groundwater Analytical Data for Metals
 Former ANCO Metal Improvement Company
 417 W. 164th Street, Carson, California

Well ID	Date	Sb	Ba	Total Cr	Cr VI*	Co	Cu	Ni	Se	Ag	Tl	V	Zn
MW-12C	4/26/10	n/a	n/a	ND	ND	n/a							
	10/26/10	n/a	n/a	ND	ND	n/a							
	3/24/11	n/a	n/a	ND	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/7/11	n/a	n/a	ND	ND	n/a							
MW-12D	4/26/10	n/a	n/a	ND	ND	n/a							
	10/26/10	n/a	n/a	ND	ND	n/a							
	3/24/11	n/a	n/a	ND	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/7/11	n/a	n/a	ND	ND	n/a							
MW-13A	4/26/10	n/a	n/a	ND	ND	n/a							
	10/26/10	n/a	n/a	0.11	ND	n/a							
	3/24/11	n/a	n/a	ND	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/7/11	n/a	n/a	ND	ND	n/a							
MW-13B	4/26/10	n/a	n/a	ND	ND	n/a							
	10/26/10	n/a	n/a	ND	ND	n/a							
	3/24/11	n/a	n/a	ND	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/7/11	n/a	n/a	ND	ND	n/a							
MW-14C	4/26/10	n/a	n/a	ND	ND	n/a							
	10/26/10	n/a	n/a	ND	ND	n/a							
	3/25/11	n/a	n/a	ND	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/8/11	n/a	n/a	ND	ND	n/a							
MW-14D	4/27/10	n/a	n/a	ND	ND	n/a							
	10/26/10	n/a	n/a	ND	ND	n/a							
	3/25/11	n/a	n/a	ND	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/8/11	n/a	n/a	ND	ND	n/a							
OW-4A	4/23/10	n/a	n/a	ND	ND	n/a							
	10/26/10	n/a	n/a	ND	ND	n/a							
	3/25/11	n/a	n/a	ND	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/7/11	n/a	n/a	ND	ND	n/a							
OW-4B	4/23/10	n/a	n/a	ND	ND	n/a							
	10/26/10	n/a	n/a	0.088	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	3/25/11	n/a	n/a	ND	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/7/11	n/a	n/a	ND	ND	n/a							
OW-4C	4/23/10	n/a	n/a	ND	ND	n/a							
	10/26/10	n/a	n/a	0.095	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	3/25/11	n/a	n/a	ND	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	6/7/11	n/a	n/a	ND	ND	n/a							

All results in milligrams per Liter (mg/L) or parts per million (ppm).

* Chromium VI = Hexavalent Chromium

n/a = Not Analyzed

ND = Not detected at Detection Limit

Table 6
 Historic Groundwater Extraction Well Analytical Data for VOCs
 Former ANCO Metal Improvement Company
 417 W. 164th Street, Carson, California 90248

Sample I.D.	Date Sampled	PCE	TCE	t-1,2-DCE	c-1,2-DCE	1,1-DCE	1,1-DCA	1,2-DCA	
GE-1	11/25/09	57	3.2	<1	<0.5	<1	<1	<0.5	
	3/22/10	62	<0.5	<1	<0.5	<1	<1	<0.5	
	6/28/10	110	<0.5	<1	<0.5	<1	<1	<0.5	
	9/30/10	77	<0.5	<1	<0.5	<1	<1	<0.5	
	Well shut off 11/29/10-12/30/10								
	12/30/10	26	<0.5	<1	<0.5	<1	<1	<1	<0.5
	3/29/11	36	<0.5	<1	<0.5	<1	<1	<1	<0.5
	6/30/11	19	<0.5	<1	<0.5	<1	<1	<1	<0.5
	9/30/11	24	<0.5	<1	<0.5	<1	<1	<1	<0.5
	12/28/11	9.1	<1	<1	<1	<1	<1	<1	<0.5
	4/19/12	9.3	<1	<1	<1	<1	<1	<1	<0.5
	6/19/12	9.5	<1	<1	<1	<1	<1	<1	<0.5
	9/12/12	8.2	<1	<1	<1	<1	<1	<1	<0.5
	11/29/12	7.5	<1	<1	<1	<1	<1	<1	<0.5
	3/4/13	3.7	<1	<1	<1	<1	<1	<1	<0.5
	5/9/13	1.7	<1	<1	<1	<1	<1	<1	<0.5
	8/30/13	3.3	<1	<1	<1	<1	<1	<1	<0.5
	12/2/13	2.5	<1	<1	<1	<1	<1	<1	<0.5
	2/28/14	3.9	<1	<1	<1	<1	<1	<1	<0.5
	5/15/14	5	1.7	<1	<1	<1	<1	<1	<0.5
	8/21/14	11	<1	<1	<1	<1	<1	<1	<0.5
	11/20/14	4.6	<1	<1	<1	<1	<1	<1	<0.5
	3/2/15	5.7	<1	<1	<1	<1	<1	<1	<0.5
	5/22/15	4.5	2.4	<1	<1	<1	<1	<1	<0.5
	8/19/15	3.9	2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	11/17/15	6.9	2.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/3/16	4.14	1.75	<1	<1	<1	<1	<1	<1
	6/16/16	3.56	2.02	<1	<1	<1	<1	<1	<1
	8/31/16	3.69	2.34	<1	<1	<1	<1	<1	<1
	11/28/16	2.46	2.34	<1	<1	<1	<1	<1	<1
3/3/17	3.05	2.03	<1	<1	<1	<1	<1	<1	
5/24/17	3.61	2.05	<1	<1	<1	<1	<1	<1	
9/19/17	2.93	2.29	<1	<1	<1	<1	<1	<1	
11/27/17	2.58	2.17	<1	<1	<1	<1	<1	<1	
3/19/18	2.97	2.78	<1	<1	<1	<1	<1	<1	
6/4/18	2.54	2.23	<1	<1	<1	<1	<1	<1	
11/12/18	2.17	2.40	<1	<1	<1	<1	<1	<1	
GE-2	11/25/09	85	<0.5	<1	<0.5	<1	<1	<0.5	
	3/22/10	20	<0.5	<1	<0.5	<1	<1	<0.5	
	6/28/10	52	4.0	<1	<0.5	<1	<1	<0.5	
	9/30/10	36	4.3	<1	<0.5	<1	<1	<0.5	
	12/30/10	19	6.0	<1	<0.5	<1	<1	<0.5	
	3/29/11	17	5.0	<1	<0.5	<1	<1	<0.5	
	6/30/11	9.7	2.4	<1	<0.5	<1	<1	<0.5	
	9/30/11	14	<1	<1	<1	<1	<1	<0.5	
	12/28/11	6.5	1.3	<1	2.9	<1	<1	<0.5	
	4/19/12	7.3	2.3	<1	<1	<1	<1	<0.5	
	6/19/12	8.2	2.3	<1	<1	<1	<1	<0.5	
	9/12/12	9.5	2	<1	<1	<1	<1	<0.5	
	11/29/12	8.5	<1	<1	<1	<1	<1	<0.5	
	3/4/13	3.8	1.4	<1	<1	<1	<1	<0.5	
	5/9/13	2.1	<1	<1	<1	<1	<1	<0.5	
	8/30/13	2.9	<1	<1	<1	<1	<1	<0.5	
	12/2/13	3.6	<1	<1	<1	<1	<1	<0.5	
	2/28/14	2.1	<1	<1	<1	<1	<1	<0.5	
5/15/14	1.7	2	<1	<1	<1	<1	<0.5		
8/21/14	3.3	<1	<1	<1	<1	<1	<0.5		

Table 6
 Historic Groundwater Extraction Well Analytical Data for VOCs
 Former ANCO Metal Improvement Company
 417 W. 164th Street, Carson, California 90248

Sample I.D.	Date Sampled	PCE	TCE	t-1,2-DCE	c-1,2-DCE	1,1-DCE	1,1-DCA	1,2-DCA	
GE-2 cont'd	11/20/14	3.8	<1	<1	<1	<1	<1	<0.5	
	1/3/15	GE-2 properly abandoned for new plating line containment structure							
GE-3	11/25/09	41	14	<1	<0.5	<1	<1	<0.5	
GE-3	3/22/10	24	5.9	<1	<0.5	<1	<1	<0.5	
	6/28/10	110	26	<1	<0.5	<1	<1	<0.5	
	9/30/10	71	26	<1	<0.5	<1	<1	<0.5	
	12/30/10	56	41	<1	<0.5	<1	<1	<0.5	
	3/29/11	52	39	<1	<0.5	<1	<1	<0.5	
	6/30/11	11	17	<1	<0.5	<1	<1	<0.5	
	9/30/11	12	21	<1	<1	<1	<1	<0.5	
	12/28/11	4.2	11	<1	<1	<1	<1	<0.5	
	4/19/12	13	34	<1	<1	<1	<1	<0.5	
	6/19/12	11	27	<1	<1	<1	<1	<0.5	
	9/12/12	16	40	<1	<1	<1	<1	<0.5	
	11/29/12	23	68	<1	<1	<1	<1	17	
	3/4/13	13	53	<1	<1	<1	<1	<0.5	
	5/9/13	13	54	<1	<1	<1	<1	<0.5	
	8/30/13	7	38	<1	<1	<1	<1	<0.5	
	12/2/13	14	78	<1	1.3	<1	<1	<0.5	
	2/28/14	8	41	<1	<1	<1	<1	<0.5	
	5/15/14	Groundwater sample not collected due to mechanical failure of extraction pump; see MW-1 lab data							
	8/19/14	Groundwater sample not collected due to mechanical failure of extraction pump; see MW-1 lab data							
	11/20/14	Groundwater sample not collected due to mechanical failure of extraction pump; see MW-1 lab data							
	3/2/15	3	10	<1	<1	<1	<1	<0.5	
	5/22/15	2.4	9.9	<1	<1	<1	<1	<0.5	
	8/19/15	2.5	12	<0.5	0.31	<0.5	<0.5	<0.5	
	11/17/15	2.1	11	<0.5	<0.5	<0.5	<0.5	<0.5	
	3/3/16	2.5	9.72	<1	<1	<1	<1	<1	
	6/16/16	2.47	10.2	<1	<1	<1	<1	<1	
	8/31/16	2.05	9.55	<1	<1	<1	<1	<1	
	11/28/16	2.0	9.62	<1	<1	<1	<1	<1	
	3/3/17	2.52	11.1	<1	<1	<1	<1	<1	
	5/24/17	3.00	12.5	<1	<1	<1	<1	<1	
	9/19/17	2.29	11.2	<1	<1	<1	<1	<1	
	11/27/17	2.25	10.2	<1	<1	<1	<1	<1	
	3/19/18	11.5	4.82	<1	<1	<1	<1	<1	
6/4/18	2.67	9.88	<1	<1	<1	<1	<1		
11/12/18	2.50	9.44	<1	<1	<1	<1	<1		
GE-4	11/25/09	11	<0.5	<1	<0.5	<1	<1	<0.5	
GE-4	3/22/10	13	<0.5	<1	<0.5	<1	<1	<0.5	
	6/28/10	17	<0.5	<1	<0.5	<1	<1	<0.5	
	9/30/10	15	<0.5	<1	<0.5	<1	<1	<0.5	
	Well shut off 11/29/10-12/30/10								
	12/30/10	11	<0.5	<1	<0.5	<1	<1	<0.5	
	3/29/11	9.6	<0.5	<1	<0.5	<1	<1	<0.5	
	6/30/11	11	<0.5	<1	<0.5	<1	<1	<0.5	
	9/30/11	14	<1	<1	<1	<1	<1	<0.5	
	12/28/11	11	<1	<1	<1	<1	<1	<0.5	
	4/19/12	4.5	<1	<1	<1	<1	<1	<0.5	
	6/19/12	5	<1	<1	<1	<1	<1	<0.5	
	9/12/12	4.3	<1	<1	<1	<1	<1	<0.5	
	11/29/12	<1	<1	<1	<1	<1	<1	<0.5	
	3/4/13	2.4	<1	<1	<1	<1	<1	<0.5	
	5/9/13	2.2	<1	<1	<1	<1	<1	<0.5	
	8/30/13	1.5	<1	<1	<1	<1	<1	<0.5	
	12/2/13	1.2	<1	<1	<1	<1	<1	<0.5	

Table 6
 Historic Groundwater Extraction Well Analytical Data for VOCs
 Former ANCO Metal Improvement Company
 417 W. 164th Street, Carson, California 90248

Sample I.D.	Date Sampled	PCE	TCE	t-1,2-DCE	c-1,2-DCE	1,1-DCE	1,1-DCA	1,2-DCA
GE-4 cont'd	2/28/14	1.9	<1	<1	<1	<1	<1	<0.5
	5/15/14	2.2	<1	<1	<1	<1	<1	<0.5
	8/21/14	7.7	<1	<1	<1	<1	<1	<0.5
	11/20/14	8.9	<1	<1	<1	<1	<1	<0.5
	3/2/15	3.3	<1	<1	<1	<1	<1	<0.5
	5/22/15	1.6	<1	<1	<1	<1	<1	<0.5
	8/19/15	1.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	11/17/15	1.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/3/16	1.5	<1	<1	<1	<1	<1	<1
	6/16/16	1.46	<1	<1	<1	<1	<1	<1
	8/31/16	1.24	<1	<1	<1	<1	<1	<1
	11/28/16	1.33	<1	<1	<1	<1	<1	<1
	3/3/17	1.26	<1	<1	<1	<1	<1	<1
	5/24/17	1.31	<1	<1	<1	<1	<1	<1
	9/19/17	1.09	<1	<1	<1	<1	<1	<1
	11/27/17	1.22	<1	<1	<1	<1	<1	<1
	3/19/18	3.91	<1	<1	<1	<1	<1	<1
6/4/18	1.12	<1	<1	<1	<1	<1	<1	
11/12/18	1.13	<1	<1	<1	<1	<1	<1	
GE-5	11/18/09	130	3.4	<1	<0.5	<1	<1	<0.5
	3/22/10	150	2.0	<1	<0.5	<1	<1	<0.5
	6/28/10	460	5.2	<1	<0.5	<1	<1	<0.5
	9/30/10	400	4.3	<1	<0.5	<1	<1	<0.5
	12/30/10	290	6.9	<1	<0.5	<1	<1	<0.5
	3/29/11	370	6.6	<1	<0.5	<1	<1	<0.5
	6/30/11	70	4.8	<1	<0.5	<1	<1	<0.5
	9/30/11	89	7.8	<1	<1	<1	<1	<0.5
	12/28/11	130	8.1	<1	<1	<1	<1	<0.5
	4/19/12	56	7.7	<1	<1	<1	<1	<0.5
	6/19/12	61	11	<1	<1	<1	<1	<0.5
	9/12/12	51	11	<1	<1	<1	<1	<0.5
	11/29/12	18	4.7	<1	<1	<1	<1	<0.5
	3/4/13	36	14	<1	<1	<1	<1	<0.5
	5/9/13	29	17	<1	<1	<1	<1	<0.5
	8/30/13	12	5.3	<1	<1	<1	<1	<0.5
	12/2/13	16	9.4	<1	<1	<1	<1	<0.5
	2/28/14	19	9.4	<1	<1	<1	<1	<0.5
	5/15/14	27	17	<1	<1	<1	<1	<0.5
	8/21/14	75	8.3	<1	<1	<1	<1	<0.5
	11/20/14	20	<1	<1	<1	<1	<1	<0.5
	3/2/15	12	2.9	<1	<1	<1	<1	<0.5
	5/26/15	11	3.9	<1	<1	<1	<1	<0.5
	8/19/15	8.4	6.3	<0.5	<0.5	<0.5	<0.5	<0.5
	11/17/15	7.6	4.8	<0.5	<0.5	<0.5	<0.5	<0.5
	3/3/16	8	4.8	<1	<1	<1	<1	<1
	6/16/16	6.83	6.92	<1	<1	<1	<1	<1
	8/31/16	9.37	7.31	<1	<1	<1	<1	<1
	11/28/16	6.96	7.42	<1	<1	<1	<1	<1
	3/3/17	5.72	9.86	<1	<1	<1	<1	<1
	5/24/17	5.64	11	<1	<1	<1	<1	<1
	9/19/17	4.54	10.6	<1	<1	<1	<1	<1
	11/27/17	5.42	11.9	<1	<1	<1	<1	<1
	3/19/18	6.08	11.8	<1	<1	<1	<1	<1
	6/4/18	4.34	12.5	<1	<1	<1	<1	<1
	11/12/18	4.15	10.7	<1	<1	<1	<1	<1

Table 6
 Historic Groundwater Extraction Well Analytical Data for VOCs
 Former ANCO Metal Improvement Company
 417 W. 164th Street, Carson, California 90248

Sample I.D.	Date Sampled	PCE	TCE	t-1,2-DCE	c-1,2-DCE	1,1-DCE	1,1-DCA	1,2-DCA
GE-6	12/30/10	115	8.7	<1	<0.5	<1	<1	<0.5
	3/29/11	250	14	<1	<0.5	<1	<1	<0.5
	6/30/11	48	13	<1	<0.5	<1	<1	<0.5
	9/30/11	110	25	<1	<1	<1	<1	<0.5
	12/28/11	190	16	<1	<1	<1	<1	<0.5
	4/16/12	120	13	<1	<1	<1	<1	<0.5
	6/19/12	150	29	<1	<1	<1	<1	<0.5
	9/12/12	80	28	<1	<1	<1	<1	<0.5
	11/28/12	98	24	<1	<1	<1	<1	<0.5
	3/4/13	56	20	<1	<1	<1	<1	<0.5
	5/9/13	52	21	<1	<1	<1	<1	<0.5
	8/30/13	32	17	<1	<1	<1	<1	<0.5
	12/2/13	28	14	<1	<1	<1	<1	<0.5
	2/28/14	26	16	<1	<1	<1	<1	<0.5
	5/15/14	50	15	<1	<1	<1	<1	<0.5
	8/19/14	110	20	<1	<1	<1	<1	<0.5
	11/19/14	84	21	<1	<1	<1	<1	<0.5
	3/2/15	50	12	<1	<1	<1	<1	<0.5
	5/22/15	24	8.6	<1	<1	<1	<1	<0.5
	8/19/15	17	8.7	<0.5	0.47	<0.5	<0.5	2.2
	12/1/15	11	7.9	<0.5	0.55	<0.5	<0.5	2.1
	3/2/16	14.6	6.73	<1	<1	<1	<1	2.61
	6/16/16	15.9	6.12	<1	<1	<1	<1	2.34
	8/31/16	15	5.6	<5	<5	<5	<5	<5
	11/28/16	13.3	5.1	<5	<5	<5	<5	<5
	3/3/17	10.9	6.25	<5	<5	<5	<5	<5
	5/24/17	<50 ¹						
	9/19/17	<50 ¹						
	11/27/17	<50 ¹						
	3/19/18	<50 ¹						
	6/4/18	<50 ¹						
	11/12/18	<100 ¹						
GE-7	12/30/10	204	21	16	7.7	<1	<1	<0.5
	3/29/11	430	28	8.1	17	<1	<1	<0.5
	6/30/11	240	18	32	8.1	32	3.3	1.2
	9/30/11	400	29	1	22	30	6.2	<0.5
	12/28/11	390	26	<1	17	37	5.1	<0.5
	4/16/12	260	17	<1	28	21	6.4	<0.5
	6/19/12	550	35	<1	70	49	17	2.8
	9/12/12	350	26	<1	50	42	11	4.1
	11/28/12	390	23	<1	26	17	4.1	<0.5
	3/4/13	400	23	<1	23	25	2.3	<0.5
	5/8/13	340	19	<1	20	17	2.7	<0.5
	8/29/13	150	13	<1	43	170	<1	<0.5
	12/3/13	190	16	<1	26	33	5.4	<0.5
	2/28/14	190	17	<1	27	28	4.3	<0.5
	5/15/14	400	18	<1	26	40	4.8	<0.5
	8/19/14	770	23	<1	22	49	5.2	<0.5
	11/19/14	780	29	<1	25	71	20	<0.5
	3/2/15	440	12	<1	23	27	3.5	<0.5
	5/22/15	250	9.6	<1	14	21	2.5	<0.5
	8/19/15	360	13	0.35 J	14	18	2.4	<0.5
	12/1/15	350	12	<0.5	13	17	2.2	0.54
	3/2/16	315	11.1	<1	12.6	13.7	1.98	<1
	6/16/16	404	12.8	<5	15.4	13.4	<5	<5
	8/31/16	361	11.4	<1	14.6	12.6	1.92	<1
	11/28/16	406	12.2	<1	15	13.7	1.95	<1

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Sample I.D.	Date Sampled	PCE	TCE	t-1,2-DCE	c-1,2-DCE	1,1-DCE	1,1-DCA	1,2-DCA
GE-7 cont'd	3/3/17	423	12.2	<1	15.5	11.3	1.83	<1
	5/24/17	205	9.56	<1	16	12.1	1.88	<1
	9/19/17	338	12.4	<5	16.8	11.6	<5	<5
	11/27/17	345	12.7	<5	15.2	12.6	<5	<5
	3/19/18	373	12.8	<5	18	11.3	<5	<5
	6/4/18	348	13	<5	14.8	8.85	<5	<5
	11/12/18	311	10.5	<5	13.6	8.35	<5	<5
GE-8	12/30/10	2,480	35	57	13	<1	<1	<0.5
	3/29/11	2,900	49	11	58	<1	<1	<0.5
	6/30/11	2,100	29	5.1	8.2	5.1	<1	<0.5
	10/12/11	3,300	26	1	2.7	<1	<1	<0.5
	12/28/11	Groundwater sample not collected due to mechanical failure of extraction pump						
	4/16/12	Groundwater sample not collected due to mechanical failure of extraction pump						
	6/19/12	720	33	<1	22	82	8.6	4.5
	9/12/12	1,200	27	<1	21	31	2.2	3.9
	11/28/12	1,200	35	<1	18	23	6.2	<0.5
	3/4/13	1,600	32	<1	20	31	7.3	<0.5
	5/8/13	1,400	36	<1	25	30	8.7	<0.5
	8/29/13	560	25	<1	58	330	29	<0.5
	12/3/13	1,200	33	<1	33	61	15	<0.5
	2/28/14	410	190	<1	5.9	38	11	<0.5
	5/15/14	1,300	34	<1	38	87	19	<0.5
	8/19/14	2,400	45	<1	29	99	22	<0.5
	11/19/14	2,800	55	<1	34	170	28	<0.5
	3/2/15	870	25	<1	34	71	15	<0.5
	5/22/15	720	20	<1	1	37	15	<0.5
	8/19/15	630	22	<0.5	15	35	6.6	1.3
	11/17/15	530	22	<0.5	14	32	6.9	1.1
	3/2/16	512	18.8	<1	13.4	35.3	6.24	1.37
	6/16/16	482	20	<5	13.7	35.4	6.25	<5
	8/31/16	375	18.9	<1	11.7	30.2	5.1	1.36
	11/28/16	387	20.7	<1	14	34	6.12	1.4
	3/3/17	368	19.9	<1	10.9	28.9	4.56	1.55
	5/24/17	339	20.4	<5	12.1	34.4	6.05	<5
	9/19/17	279	19.5	<5	9.6	25.7	5.45	<5
	11/27/17	263	21.1	<5	11.1	25.5	<5	<5
	3/19/18	242	18.3	<5	8.1	25.6	5.15	<5
	6/4/18	225	15.3	<5	8.2	20.4	<5	<5
	11/12/18	187	14.8	<2	7.86	16.6	3.94	<2
GE-9	12/30/10	1,600	26	18	11	<1	<1	<0.5
	3/29/11	1,800	39	16	26	<1	<1	<0.5
	6/30/11	1,400	43	64	13	64	1.0	4.2
	9/30/11	930	54	1	7.3	72	<1	5.0
	12/28/11	650	27	<1	15	24	<1	1.5
	4/16/12	660	20	<1	12	17	2.1	<0.5
	6/19/12	910	40	<1	32	36	7.1	2.8
	9/12/12	640	33	<1	21	30	4.4	5.2
	11/28/12	790	37	<1	12	17	2.1	<0.5
	3/4/13	1,100	42	<1	15	28	2.2	<0.5
	5/8/13	740	36	<1	13	16	2.9	<0.5
	8/29/13	280	20	<1	29	140	<1	<0.5
	12/3/13	590	27	<1	14	21	3.7	<0.5
	2/28/14	520	27	<1	13	16	3.0	<0.5
	5/15/14	620	28	<1	16	26	5.4	<0.5
	8/19/14	1,100	41	<1	<1	26	3.9	<0.5
	11/19/14	100	43	<1	15	54	11	<0.5
	3/2/15	390	13	<1	9	12	2.2	<0.5

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Sample I.D.	Date Sampled	PCE	TCE	t-1,2-DCE	c-1,2-DCE	1,1-DCE	1,1-DCA	1,2-DCA
GE-9 cont'd	5/22/15	300	12	<1	6.2	8.5	1.4	<0.5
	8/19/15	350	19	<0.5	7.7	10	1.9	0.59
	12/1/15	38	5.3	<0.5	1.9	1.2	<0.5	<0.5
	12/11/15	320	20	<0.5	7.7	9.9	1.7	<0.5
	3/2/16	303	16.3	<1	7.24	10.7	1.9	<1
	6/16/16	413	22.5	<1	9.49	11.8	2.2	<1
	8/31/16	251	16.5	<1	7.23	9.36	2.1	<1
	11/28/16	356	21.4	<1	9.08	10.6	1.9	<1
	3/3/17	394	23.8	<1	9.97	11.2	2.1	<1
	5/24/17	356	22.3	<5	8.7	10.8	<5	<5
	9/19/17	234	16.6	<1	6.86	8.67	1.88	<1
	11/27/17	297	19.5	<1	7.63	8.94	2.06	<1
	3/19/18	230	16.1	<2	6.72	9.34	<2	<2
6/4/18	230	16.2	<5	5.9	6.5	<5	<5	
11/12/18	171	12.9	<2	5.24	5.52	<2	<2	
GE-10 (C-Zone)	10/12/11	2,100	75	<1	<0.5	72	<1	<0.5
	12/28/11	260	32	<1	<1	15	<1	<0.5
	4/16/12	260	28	<1	1.5	14	<1	<0.5
	6/19/12	500	68	<1	3.2	41	<1	<0.5
	9/12/12	220	52	<1	1.9	14	<1	7.9
	11/28/12	240	55	<1	<1	7.7	<1	<0.5
	3/4/13	120	60	<1	<1	7.6	<1	<0.5
	5/8/13	1,700	64	<1	<1	7	<1	<0.5
	8/29/13	1,000	41	<1	7.7	7.9	<1	<0.5
	12/3/13	86	55	<1	1.2	11	<1	<0.5
	2/28/14	150	54	<1	1.2	11	<1	<0.5
	5/15/14	65	48	<1	<1	14	<1	<0.5
	8/19/14	660	130	<1	<1	57	<1	<0.5
	11/19/14	150	88	<1	<1	30	<1	<0.5
	3/2/15	79	17	<1	<1	<1	<1	<0.5
	5/22/15	100	34	<1	<1	15	<1	<0.5
	8/19/15	53	47	<0.5	0.97	8.3	<0.5	<0.5
	11/17/15	81	47	<0.5	0.89	12	<0.5	<0.5
	3/2/16	65.7	41.1	<1	1.25	10.9	<1	<1
	6/16/16	80	39.1	<1	<1	10.7	<1	<1
	8/31/16	84	39.6	<1	<1	12.4	<1	<1
	11/28/16	423	53.4	<1	1.84	84.2	<1	<1
	3/3/17	113	36.8	<1	<1	12.4	<1	<1
5/24/17	84	35.5	<1	<1	12.9	<1	<1	
9/19/17	115	38.7	<1	1	17.1	<1	<1	
11/27/17	212	49.2	<1	1.57	45.6	<1	<1	
3/19/18	71.3	32.7	<1	1.07	18.2	<1	<1	
6/4/18	65	31.4	<1	<1	13.1	<1	<1	
11/12/18	68.1	32.5	<1	1.06	16.0	<1	<1	
GE-11 (C-Zone)	9/30/11	1,500	110	<1	<1	48	<1	<0.5
	12/28/11	420	33	<1	<1	8	<1	<0.5
	4/16/12	290	26	<1	2.3	6.4	<1	<0.5
	6/19/12	390	65	<1	4.2	19	<1	<0.5
	9/12/12	1,200	68	<1	8.7	50	<1	11
	11/28/12	510	140	<1	3.5	22	<1	<0.5
	3/4/13	440	140	<1	3.1	27	<1	<0.5
	5/8/13	350	97	<1	3.5	15	<1	<0.5
	8/29/13	1,200	190	<1	<1	17	<1	<0.5
	12/3/13	420	150	<1	5.4	42	<1	<0.5
	2/28/14	400	190	<1	6.1	4.0	<1	<0.5
5/15/14	480	220	<1	<1	88	<1	<0.5	

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Sample I.D.	Date Sampled	PCE	TCE	t-1,2-DCE	c-1,2-DCE	1,1-DCE	1,1-DCA	1,2-DCA
GE-11 cont'd	8/19/14	900	440	<1	<1	110	<1	<0.5
	11/19/14	1,100	300	<1	7.2	150	<1	<0.5
	3/2/15	230	95	<1	5.3	29	<1	<0.5
	5/22/15	1,600	56	<1	8.1	67	<1	<0.5
	8/19/15	300	160	0.64	6.8	35	<0.5	<0.5
	11/17/15	270	150	0.57	6.6	33	<0.5	<0.5
	3/2/16	275	159	<1	7.88	33.3	<1	<1
	6/16/16	326	172	<1	7.76	33.8	<1	<1
	8/31/16	251	168	<1	7.75	31.4	<1	<1
	11/28/16	1,330	75	<5	10.3	72.0	<5	<5
	3/3/17	299	176	<5	8.25	30.8	<5	<5
	5/24/17	1,150	91.7	<10	11.3	84.4	<10	<10
	9/19/17	238	181	<1	8.37	35.1	<1	<1
	11/27/17	270	162	<1	9.8	33.6	<5	<5
	3/19/18	216	140	<2	8.0	30.7	<2	<2
6/4/18	222	141	<5	9.2	24.9	<5	<5	
11/12/18	196	121	<2	7.46	22.2	<2	<2	
GE-12	9/30/11	750	11	<1	<1	<1	<1	<0.5
Duplicate	12/28/11	790	9.5	<1	<1	<1	<1	<0.5
	4/16/12	310	6	<1	<1	<1	<1	<0.5
	6/19/12	600	14	<1	2	<1	<1	<0.5
	9/12/12	310	11	<1	<1	<1	<1	4.6
	11/28/12	460	15	<1	<1	<1	<1	<0.5
	11/28/12	470	16	<1	<1	<1	<1	<0.5
	3/4/13	460	15	<1	<1	<1	<1	<0.5
	5/8/13	380	16	<1	<1	<1	<1	<0.5
	8/29/13	440	17	<1	<1	<1	<1	<0.5
	12/3/13	240	14	<1	<1	<1	<1	<0.5
	2/28/14	150	21	<1	<1	<1	<1	<0.5
	5/15/14	190	19	<1	<1	<1	<1	<0.5
	8/19/14	310	31	<1	<1	<1	<1	<0.5
	11/19/14	320	50	<1	<1	<1	<1	<0.5
	3/2/15	74	15	<1	<1	<1	<1	<0.5
	5/22/15	94	20	<1	<1	<1	<1	<0.5
	8/19/15	86	28	<0.5	0.75	0.40 J	0.75	<0.5
	11/17/15	71	26	<0.5	0.54	0.60	0.91	<0.5
	3/2/16	68	26.1	<1	<1	<1	1.07	<1
	6/16/16	58.6	31.6	<1	<1	<1	1.25	<1
	8/31/16	56	29.9	<1	<1	<1	1.36	<1
	11/28/16	40.4	41.1	<1	<1	<1	<1	<1
	3/3/17	37.1	42.7	<1	<1	<1	1.63	<1
	5/24/17	56.9	43.6	<1	<1	1.2	1.89	<1
	9/19/17	45	33	<1	<1	1.28	2.57	<1
	11/27/17	33.6	30.7	<1	<1	<1	1.73	<1
	3/19/18	44.8	33.9	<1	<1	1.42	2.58	<1
6/4/18	44.8	31.6	<1	<1	1.01	2.32	<1	
11/12/18	37.5	31.2	<1	<1	1.03	2.38	<1	

Results presented in micrograms per liter (µg/l)

1. Reporting Limits for PCE, TCE, DCEs and DCAs are elevated due to the high concentrations of MTBE (>8,000 µg/L) and TBA (>2,000 µg/L) detected in GE-6.

Table 7: Historic Groundwater Influent Sample Analytical Data for VOCs
Former ANCO Metal Improvement Company
417 West 164th Street, Carson, CA 90248

Sample I.D.	Date Sampled	PCE	TCE	c-1,2-DCE	t-1,2-DCE	1,1-DCE	1,1-DCA	1,2-DCA
Influent	12/31/09	47	2.6	<1	<1	<1	<1	<0.5
Influent	3/22/10	42	<1	<1	<1	<1	<1	<0.5
Influent	4/20/2010	55	2.3	<1	<1	<1	<1	<0.5
Influent	5/20/2010	82	4.1	<1	<1	<1	<1	<0.5
Influent	6/28/2010	110	5.5	<1	<1	<1	<1	<0.5
Influent	7/27/2010	62	<1	<1	<1	<1	<1	<0.5
Influent	9/29/2010	70	4.7	<1	<1	<1	<1	<0.5
Influent	10/29/2010	150	9.4	<1	<1	<1	<1	<0.5
Influent	11/23/2010	57	6.5	<1	<1	<1	<1	<0.5
Influent	12/30/2010	340	6.5	<1	<1	<1	<1	<0.5
Influent	1/31/2011	710	16	4.2	<1	14	<1	<0.5
Influent	2/28/2011	690	22	7.8	<1	27	<1	3.9
Influent	3/29/2011	900	19	<1	17	<1	<1	<0.5
Influent	4/29/2011	520	20	6.7	13	13	<1	<0.5
Influent	5/24/2011	610	25	5	<1	17	<1	<0.5
Influent	6/30/2011	680	21	6.1	11	12	<1	<0.5
Influent	7/25/2011	610	16	2.7	<1	7.8	<1	<0.5
Influent	8/22/2011	300	9.6	<1	<1	3.6	<1	<0.5
Influent	9/30/2011	540	15	<1	<1	5.7	<1	<0.5
Influent	11/15/2011	290	16	4.3	<1	6.1	<1	<0.5
Influent	12/22/2011	280	14	4.2	<1	5.9	<1	<0.5
Influent	1/25/2012	28	<1	<1	<1	<1	<1	<0.5
Influent	2/27/2012	17	<1	<1	<1	<1	<1	<0.5
Influent	4/13/2012	41	13	5.9	<1	7.9	7.9	<0.5
Influent	6/19/2012	260	18	7.7	<1	10	<1	<0.5
Influent	7/12/2012	310	20	12	<1	14	3.1	3
Influent	8/22/2012	260	19	8.7	<1	8.8	1.6	2.9
Influent	9/12/2012	210	11	4.8	<1	5	<1	<0.5
Influent	10/9/2012	270	20	5.3	<1	7.8	<1	<0.5
Influent	11/16/2012	330	21	6.9	<1	6.9	<1	<0.5
Influent	12/7/2012	380	23	6.4	<1	7.7	<1	<0.5
Influent	1/9/2013	350	25	<1	<1	14	<1	<0.5
Influent	2/22/2013	360	15	4.6	<1	5	<1	<0.5
Influent	3/14/2013	230	25	8.4	<1	12	<1	<0.5
Influent	4/12/2013	230	18	<1	<1	<1	<1	<0.5
Influent	5/3/2013	250	25	6.5	<1	7	1.4	<0.5
Influent	6/4/2013	160	20	1.6	<1	3.6	<1	<0.5
Influent	7/9/2013	160	17	6.3	<1	5.9	1.9	<0.5
Influent	8/2/2013	590	33	5.6	<1	5	<1	<0.5
Influent	9/3/2013	290	29	10	<1	12	3.2	<0.5
Influent	10/9/2013	160	21	6.4	<1	8.9	1.7	<0.5
Influent	11/11/2013	270	29	8.5	<1	12	2.5	<0.5
Influent	12/11/2013	390	37	<1	<1	27	<1	<0.5
Influent	1/10/2014	180	17	<1	<1	<1	<1	<0.5
Influent	2/11/2014	300	23	6.5	<1	9.6	<1	<0.5
Influent	3/10/2014	210	<1	<1	<1	<1	<1	<0.5
Influent	4/11/2014	280	27	4.2	<1	20	<1	<0.5

Table 7: Historic Groundwater Influent Sample Analytical Data for VOCs
Former ANCO Metal Improvement Company
417 West 164th Street, Carson, CA 90248

Sample I.D.	Date Sampled	PCE	TCE	c-1,2-DCE	t-1,2-DCE	1,1-DCE	1,1-DCA	1,2-DCA
Influent	5/13/2014	300	30	<1	<1	29	<1	<0.5
Influent	6/11/2014	200	33	7	<1	15	2.1	<0.5
Influent	6/20/2014	270	40	<1	<1	<1	<1	<0.5
Influent	7/10/2014	170	41	<1	<1	11	<1	<0.5
Influent	8/13/2014	760	77	11	<1	36	8.1	<0.5
Influent	9/9/2014	330	42	<1	<1	<1	27	<0.5
Influent	11/14/2014	260	28	8.8	<1	19	1.9	<0.5
Influent	12/17/2014	670	52	16	<1	23	5.1	<0.5
Influent	1/14/2015	420	16	7.4	<1	18	2.4	<0.5
Influent	2/17/2015	110	10	2.5	<1	5	<1	<0.5
Influent	3/16/2015	240	34	8.4	<1	17	<1	<0.5
Influent	4/13/2015	290	35	8.6	<1	21	2.9	<0.5
Influent	5/18/2015	200	26	6.1	<1	14	1.9	<0.5
Influent	6/15/2015	260	19	6.7	<1	18	2.5	<0.5
Influent	7/10/2015	260	15	6.8	<1	18	2.4	<0.5
Influent	8/31/2015	190	31	5.7	<0.5	9.8	1.6	<0.5
Influent	9/21/2015	210	41	7.1	<0.5	14	1.9	<0.5
Influent	10/6/2015	200	37	7.1	<0.5	11	2	0.51
Influent	11/18/2015	160	31	5.1	<0.5	9.3	1.6	<0.5
Influent	12/8/2015	190	34	5.9	<0.5	11	1.7	<0.5
Influent	1/11/2016	240	23	5.8	<0.5	13	1.6	0.59
Influent	2/11/2016	200	35	6.3	<0.5	9.5	1.4	<0.5
Influent	3/8/2016	160	29	6.2	<0.5	11	1.9	0.55
Influent	4/11/2016	270	22	6	<0.5	13	1.6	0.73
Influent	5/9/2016	180	26	5.9	<0.5	11	1.4	0.63
Influent	6/13/2016	300	21	6.3	<0.5	19	1.9	0.84
Influent	7/13/2016	140	37	4.3	<0.5	8.5	0.75	<0.5
Influent	8/2/2016	150	44	5.1	<0.5	11	1.7	<0.5
Influent	9/6/2016	150	26	6	<0.5	9.4	1.6	<0.5
Influent	10/10/2016	210	40	7	<0.5	11	2.8	<0.5
Influent	11/8/2016	200	35	5.2	<0.5	10	1.7	<0.5
Influent	12/8/2016	169	34.2	6.19	<1	9.22	1.61	<1
Influent	1/9/2017	170	34	5.5	<0.5	9.1	1.7	<0.5
Influent	2/8/2017	160	24	4.2	<0.5	4.9	1.2	<0.5
Influent	3/7/2017	170	34	6.1	<0.5	10	1.7	<0.5
Influent	4/10/2017	182	35.8	6.97	<1	10.6	2.01	<1
Influent	5/9/2017	250	22	5.3	<0.5	13	1.3	<0.5
Influent	6/14/2017	140	34	5.4	<0.5	8.9	1.5	<0.5
Influent	7/10/2017	180	30	5.5	<0.5	8.1	1.6	<0.5
Influent	8/11/2017	170	28	5.8	<0.5	9.2	1.6	<0.5
Influent	9/15/2017	240	24	6.2	<0.5	11	1.6	<0.5
Influent	10/16/2017	150	30	6.2	<0.5	10	1.6	<0.5
Influent	11/6/2017	150	27	6.2	<0.5	8.2	1.8	<0.5
Influent	12/5/2017	140	27	4.9	<0.5	6.4	1.2	<0.5
Influent	1/10/2018	120	26	4.5	<0.5	6.1	1.2	<0.5
Influent	2/13/2018	190	20	5.3	<0.5	14	1.5	<0.5
Influent	3/21/2018	131	29.6	5.4	<1	9.24	1.8	<1

Table 7: Historic Groundwater Influent Sample Analytical Data for VOCs
 Former ANCO Metal Improvement Company
 417 West 164th Street, Carson, CA 90248

Sample I.D.	Date Sampled	PCE	TCE	c-1,2-DCE	t-1,2-DCE	1,1-DCE	1,1-DCA	1,2-DCA
Influent	4/9/2018	120	29	5.4	<0.5	6.2	1.5	<0.5
Influent	5/9/2018	120	33	5.9	<0.5	9.8	1.8	<0.5
Influent	6/7/2018	176	25.6	5.72	<1	9.93	1.41	<1
Influent	7/31/2018	140	27	4.5	<0.5	5.8	1.3	<0.5
Influent	8/15/2018	130	25	4.9	<0.5	5.5	1.2	<0.5
Influent	9/10/2018	81	23	3.4	<0.5	5	0.81	<0.5
Influent	10/11/2018	92	22	4.2	<0.5	4.8	1.1	<0.5
Influent	11/12/2018	87	19	3.8	<0.5	4.6	1.1	<0.5
Influent	12/10/2018	138	31.1	5.79	<1	7.43	1.56	<1

All results presented in micrograms per liter (µg/l)

PCE = Perchloroethene

TCE = Trichloroethene

DCE = Dichloroethene

DCA = Dichloroethane

Table 8: Shallow Soil Vapor Extraction Well Analytical Data
Former ANCO Metal Improvement Company
417 West 164th Street, Carson, California 90248

Sample I.D.	Well Depth	Date Sampled	PCE µg/L	TCE µg/L	All Other VOCs		
S1	35	12/10/09	2200	<1	ND for all		
		3/22/10	110	<1	ND for all		
		5/25/10	1	<1	ND for all		
		Well off 5/25/10 - 7/29/10					
		9/30/10	61	<1	ND for all		
		12/30/10	22	<0.5	ND for all		
		3/29/11	49	<0.5	ND for all		
		6/30/11	110	<0.5	ND for all		
		9/30/11	52	<1	ND for all		
		12/28/11	22	<1	ND for all		
		6/27/12	29.2	<0.03	ND for all		
		9/10/12	1.83	<0.03	ND for all		
		11/29/12	5.8	<0.03	ND for all		
		2/28/13	7.5	<0.03	ND for all		
		6/18/13	<0.034	<0.03	ND for all		
		8/22/13	28	<0.03	ND for all		
		12/5/13	4.6	<0.03	ND for all		
		3/5/14	23.7	<0.03	ND for all		
		May-14	VES down for repairs				
		8/13/14	VES returned to service				
		8/26/14	18	<1	ND for all		
		11/19/14	25	<0.03	ND for all		
		3/3/15	2.4	<0.03	ND for all		
		4/22/15	VES down for repairs; re-started 10/8/15				
		11/18/15	2.3	0.05	ND for all		
		3/8/16	1.01	0.03	See Att. VII		
		5/24/16	0.89	0.04	See Att. VII		
		9/6/16	1.37	0.03	See Att. VII		
		11/28/16	0.92	0.06	See Att. VII		
		3/6/17	0.80	0.03	See Att. VII		
		5/22/17	0.87	0.06	See Att. VII		
9/19/17	0.61	0.04	See Att. VII				
11/27/17	0.94	0.06	See Att. VII				
3/19/18	0.25	0.01	See Att. VII				
6/4/18	0.56	0.01	See Att. VII				
10/16/18	0.81	0.02	See Att. VII				
S2	35	12/10/09	1200	<1	ND for all		
		3/22/10	50	<1	ND for all		
		5/25/10	26	<1	ND for all		
		Well off 5/25/10 - 7/29/10					
		9/30/10	46	<1	ND for all		
		12/30/10	6.7	<0.5	ND for all		
		3/29/11	9.5	<0.5	ND for all		
		6/30/11	41	<0.5	ND for all		
		9/30/11	9.0	<1	ND for all		
		12/28/11	7.2	<1	ND for all		
		6/27/12	15.6	<0.03	ND for all		
		9/10/12	9.5	<0.03	ND for all		
		11/29/12	11.5	<0.03	ND for all		
		2/28/13	8.1	<0.03	ND for all		
		6/18/13	<0.034	<0.03	ND for all		
		8/22/13	20	<0.03	ND for all		
		12/5/13	11.5	<0.03	ND for all		
		3/5/14	13.6	<0.03	ND for all		
		May-14	VES down for repairs				
		8/13/14	VES returned to service				
		8/26/14	<1	<1	ND for all		
11/19/14	16	<0.03	ND for all				
12/19/14	2.2	<0.03	ND for all				
1/3/15	S2 properly abandoned						

Table 8: Shallow Soil Vapor Extraction Well Analytical Data
Former ANCO Metal Improvement Company
417 West 164th Street, Carson, California 90248

Sample I.D.	Well Depth	Date Sampled	PCE µg/L	TCE µg/L	All Other VOCs	
S3	35	12/10/09	260	<1	ND for all	
		3/22/10	33	<1	ND for all	
		5/25/10	19	<1	ND for all	
	Well off 5/25/10 - 7/29/10					
			9/30/10	12	<1	ND for all
			12/30/10	2.6	<0.5	ND for all
			3/29/11	6.3	<0.5	ND for all
			6/30/11	11	<0.5	ND for all
			9/30/11	3.3	<1	ND for all
			12/28/11	4.6	<1	ND for all
			6/27/12	14.2	<0.03	ND for all
			9/10/12	4.6	<0.03	ND for all
			11/29/12	<0.034	<0.03	ND for all
			2/28/13	3.9	<0.03	ND for all
			6/18/13	<0.034	<0.03	ND for all
			8/22/13	11.5	<0.03	ND for all
			12/5/13	4.8	<0.03	ND for all
			3/5/14	12.9	<0.03	ND for all
		May-14	VES down for repairs			
		8/13/14	VES returned to service			
		8/26/14	<1	<1	ND for all	
		11/19/14	12	<0.03	ND for all	
		3/3/15	2.9	<0.03	ND for all	
		4/22/15	VES down for repairs; re-started 10/8/15			
		11/18/15	2.2	0.07	See Att. VII	
		3/8/16	1.43	0.05	See Att. VII	
		5/24/16	0.96	0.05	See Att. VII	
		9/6/16	1.51	0.05	See Att. VII	
		11/28/16	0.96	0.07	See Att. VII	
		3/6/17	0.77	0.04	See Att. VII	
		4/3/17	0.64	0.04	See Att. VII	
	5/22/17	1.22	0.16	See Att. VII		
	9/19/17	0.95	0.03	See Att. VII		
	11/27/17	1.7	0.07	See Att. VII		
	3/18/18	0.88	0.04	See Att. VII		
	6/4/18	0.75	0.03	See Att. VII		
	10/16/18	0.95	0.04	See Att. VII		
S4	35	12/10/09	310	<1	ND for all	
		3/22/10	15	<1	ND for all	
		5/25/10	4.7	<1	ND for all	
	Well off 5/25/10 - 7/29/10					
			9/30/10	3.7	<1	ND for all
			12/30/10	1.2	<0.05	ND for all
			3/29/11	5.6	<0.05	ND for all
			6/30/11	8.5	<0.05	ND for all
			9/30/11	3.6	<1	ND for all
			12/28/11	4.7	<1	ND for all
			6/27/12	4.5	<0.03	ND for all
			9/10/12	1.9	<0.03	ND for all
			11/29/12	<0.034	<0.03	ND for all
			2/28/13	<0.034	<0.03	ND for all
			6/18/13	<0.034	<0.03	ND for all
			8/22/13	8.1	<0.03	ND for all
			12/5/13	4	<0.03	ND for all
			3/5/14	9.5	<0.03	ND for all
		May-14	VES down for repairs			
		8/13/14	VES returned to service			
		8/26/14	<1	<1	ND for all	
	11/19/14	2.6	<0.03	ND for all		
	3/3/15	2.7	<0.03	ND for all		

Table 8: Shallow Soil Vapor Extraction Well Analytical Data
Former ANCO Metal Improvement Company
417 West 164th Street, Carson, California 90248

Sample I.D.	Well Depth	Date Sampled	PCE µg/L	TCE µg/L	All Other VOCs
S4 cont'd		4/22/15	VES down for repairs; re-started 10/8/15		
		11/18/15	2.6	<0.03	See Att. VII
		3/8/16	1.09	<0.03	See Att. VII
		5/24/16	0.8	<0.03	See Att. VII
		9/6/16	1.04	<0.004	See Att. VII
		11/28/16	0.94	0.004	See Att. VII
		3/6/17	0.57	<0.004	See Att. VII
		4/3/17	0.47	<0.004	See Att. VII
		5/22/17	0.35	0.007	See Att. VII
		9/19/17	0.35	0.01	See Att. VII
		11/27/17	0.39	<0.004	See Att. VII
		3/19/18	0.3	<0.004	See Att. VII
	6/4/18	0.36	0.004	See Att. VII	
	10/16/18	0.31	<0.01	See Att. VII	
S5	35	12/10/09	1700	5.9	ND for all
		3/22/10	80	<1	ND for all
		5/25/10	56	<1	ND for all
		Well off 5/25/10 - 7/29/10			
		9/30/10	27	<1	ND for all
		12/30/10	1.2	<0.05	ND for all
		3/29/11	25	<0.05	ND for all
		6/30/11	37	<0.05	ND for all
		9/30/11	21	<1	ND for all
		12/28/11	24	<1	ND for all
		6/27/12	29.8	<0.03	ND for all
		9/10/12	15.6	<0.03	ND for all
		11/29/12	11.5	<0.03	ND for all
		2/28/13	24.4	<0.03	ND for all
		6/18/13	<0.034	<0.03	ND for all
		8/22/13	40	<0.03	ND for all
		12/5/13	23	<0.03	ND for all
		3/5/14	27	<0.03	ND for all
		May-14	VES down for repairs		
		8/13/14	VES returned to service		
		8/26/14	27	<1	ND for all
		11/19/14	45	<0.03	ND for all
		3/3/15	8.8	<0.03	ND for all
		4/22/15	VES down for repairs; re-started 10/8/15		
		11/18/15	8.8	0.08	See Att. VII
		3/8/16	5.35	0.11	See Att. VII
		5/24/16	6.78	0.18	See Att. VII
		9/6/16	6.08	0.08	See Att. VII
		11/28/16	2.84	0.18	See Att. VII
		3/6/17	4.59	0.09	See Att. VII
		4/3/17	5.98	0.12	See Att. VII
		5/22/17	7.6	0.88	See Att. VII
		9/19/17	2.27	0.41	See Att. VII
		11/27/17	3.64	0.10	See Att. VII
		3/19/18	2.89	0.03	See Att. VII
		6/4/18	2.11	0.01	See Att. VII
		10/16/18	2.51	0.06	See Att. VII

Results presented in micrograms per liter (µg/l)

Table 9: Deep Soil Vapor Extraction Well Analytical Data
Former ANCO Metal Improvement Company
417 West 164th Street, Carson, CA 90248

Sample I.D.	Date Sampled	PCE	TCE	Benzene	Toluene	Ethyl-Benzene	Xylenes
D1	12/10/09	95	<1	17	170	22	341
	3/22/10	9.5	<1	<0.5	<0.5	<0.5	<0.5
	6/28/10	<1	<1	<0.5	<0.5	<0.5	<0.5
	Well Shut off 7-12-10						
	6/27/12	2.3	<0.03	<0.016	<0.02	<0.022	<0.022
	9/12/12	<0.034	<0.03	<0.016	<0.02	<0.022	<0.022
	11/28/12	0.81	<0.03	<0.016	<0.02	<0.022	<0.022
	3/4/13	2.3	<0.03	<0.016	<0.02	<0.022	<0.022
	6/18/13	<0.034	<0.03	<0.016	<0.02	<0.022	<0.022
	8/19/13	0.95	<0.03	<0.016	<0.02	<0.022	<0.022
	12/2/13	8.1	<0.03	<0.016	<0.02	<0.022	<0.022
	2/21/14	<0.034	<0.03	<0.016	<0.02	<0.022	<0.022
	5/14/14	VES down for repairs					
	8/13/14	VES returned to service					
	8/21/14	18	<1	<0.5	<0.5	<0.5	<0.5
	11/20/14	12	<0.03	<0.016	<0.02	<0.022	<0.022
	3/3/15	<0.034	<0.03	<0.016	<0.02	<0.022	<0.022
	4/22/15	VES shutdown for repairs; re-started 10/8/15					
	11/18/15	3.6	0.05	<0.016	<0.02	<0.022	<0.022
	3/8/16	3.24	0.05	<0.016	0.03	<0.022	<0.022
	5/24/16	1.63	0.05	<0.016	<0.02	<0.022	<0.022
	9/6/16	0.02	<0.004	<0.016	<0.02	<0.022	<0.022
	11/28/16	0.66	0.02	0.02	0.02	<0.022	<0.022
	3/6/17	2.84	0.07	<0.004	0.06	<0.006	<0.006
	4/3/17	2.28	0.06	0.003	0.05	0.02	0.11
	5/22/17	1.26	0.12	<0.003	0.07	<0.005	0.04
	9/19/17	1.78	0.12	<0.002	0.02	<0.003	<0.005
	11/27/17	0.17	0.005	0.006	0.04	< 0.004	0.02
	3/19/18	1.27	0.03	<0.003	0.10	0.01	0.10
	6/4/18	1.3	0.02	<0.003	0.02	0.004	0.03
	10/16/18	0.14	0.02	<0.006	0.02	<0.008	0.01
D2	12/10/09	49	<1	5	77	19	224
	3/22/10	5.7	<1	<0.5	<0.5	<0.5	<0.5
	6/28/10	<1	<1	<0.5	<0.5	<0.5	<0.5
	9/30/10	6.4	<0.5	<0.5	<0.5	<0.5	<0.5
	12/30/10	2.1	<0.5	<0.5	<0.5	<0.5	<0.5
	3/29/11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	6/30/11	90	1.6	<0.5	<0.5	<0.5	<0.5
	9/30/11	20	<1	<0.5	<0.5	<0.5	<0.5
	12/28/11	4.4	<1	<0.5	<0.5	<0.5	<0.5
	6/27/12	<0.034	<0.03	<0.016	<0.02	<0.022	<0.022
	9/12/12	<0.034	<0.03	<0.016	<0.02	<0.022	<0.022
	11/28/12	<0.034	<0.03	<0.016	<0.02	<0.022	<0.022
	3/4/13	1.9	<0.03	<0.016	<0.02	<0.022	<0.022
	6/18/13	<0.034	<0.03	<0.016	<0.02	<0.022	<0.022
	8/19/13	3.3	<0.03	<0.016	<0.02	<0.022	<0.022
	12/2/13	6.3	<0.03	<0.016	<0.02	<0.022	<0.022
	2/21/14	<0.034	<0.03	<0.016	<0.02	<0.022	<0.022
	5/14/14	VES down for repairs					
	8/13/14	VES returned to service					
	8/21/14	3.3	<1	<0.5	<0.5	<0.5	<0.5
	11/20/14	1.9	<0.03	<0.016	<0.02	<0.022	<0.022
	12/19/14	<0.034	<0.03	<0.016	<0.02	<0.022	<0.022
	1/3/15	D2 properly abandoned for new subsurface containment structure					

Table 9: Deep Soil Vapor Extraction Well Analytical Data
Former ANCO Metal Improvement Company
417 West 164th Street, Carson, CA 90248

Sample I.D.	Date Sampled	PCE	TCE	Benzene	Toluene	Ethyl-Benzene	Xylenes	
D3	12/10/09	150	<1	<0.5	<0.5	<0.5	<0.5	
	3/22/10	4.9	<1	<0.5	<0.5	<0.5	<0.5	
	6/28/10	<1	<1	<0.5	<0.5	<0.5	<0.5	
	9/30/10	6.2	<0.5	<0.5	<0.5	<0.5	<0.5	
	12/30/10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
	3/29/11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
	6/30/11	16	<0.5	<0.5	<0.5	<0.5	<0.5	
	9/30/11	4.6	<1	<0.5	<0.5	<0.5	<0.5	
	12/28/11	3.6	<1	<0.5	<0.5	<0.5	<0.5	
	6/27/12	<0.034	<0.03	<0.016	<0.02	<0.022	<0.022	
	9/12/12	5.2	<0.03	<0.016	<0.02	<0.022	<0.022	
	11/28/12	2.8	<0.03	<0.016	<0.02	<0.022	<0.022	
	3/4/13	<0.034	<0.03	<0.016	<0.02	<0.022	<0.022	
	6/18/13	<0.034	<0.03	<0.016	<0.02	<0.022	<0.022	
	8/19/13	2.5	<0.03	<0.016	<0.02	<0.022	<0.022	
	12/2/13	2.2	<0.03	<0.016	<0.02	<0.022	<0.022	
	2/21/14	<0.034	<0.03	<0.016	<0.02	<0.022	<0.022	
	5/14/14	VES down for repairs						
	8/13/14	VES returned to service						
	8/21/14	3.6	<1	<0.5	<0.5	<0.5	<0.5	
	11/20/14	2	<0.03	<0.016	<0.02	<0.022	<0.022	
	3/3/15	2.5	<0.03	<0.016	<0.02	<0.022	<0.022	
	4/22/15	VES down for repairs; re-started 10/8/15						
	11/18/15	3.2	0.25	<0.016	<0.02	<0.022	<0.022	
	3/8/16	0.46	0.03	<0.016	0.05	<0.022	<0.022	
	5/24/16	0.88	0.04	<0.016	<0.02	<0.022	<0.022	
	9/6/16	0.33	0.005	<0.016	<0.02	<0.022	<0.022	
	11/28/16	1.04	0.04	<0.016	0.02	<0.022	<0.022	
	3/6/17	0.59	0.02	<0.002	0.006	<0.003	0.009	
	4/3/17	1.17	0.04	0.007	0.1	0.03	0.21	
	5/22/17	0.35	0.04	<0.002	0.08	<0.006	0.05	
	9/19/17	0.59	0.04	0.002	0.02	<0.003	<0.005	
11/27/17	0.94	0.04	0.004	0.03	<0.004	0.02		
3/19/18	0.12	0.007	<0.003	0.24	0.03	0.24		
6/4/18	1.1	0.58	<0.003	0.03	0.008	0.05		
10/16/18	<0.01	<0.01	<0.006	0.03	<0.008	0.01		
D4	12/10/09	110	<0.5	<0.5	<0.5	<0.5	<0.5	
	3/22/10	2.5	<1	<0.5	<0.5	<0.5	<0.5	
	6/28/10	2.3	<1	<0.5	<0.5	<0.5	<0.5	
		Well Shut off 7-12-10						
	6/27/12	<0.034	<0.03	<0.016	<0.02	<0.022	<0.022	
	9/12/12	<0.034	<0.03	<0.016	<0.02	<0.022	<0.022	
	11/28/12	<0.034	<0.03	<0.016	<0.02	<0.022	<0.022	
	3/4/13	<0.034	<0.03	<0.016	<0.02	<0.022	<0.022	
	6/18/13	<0.034	<0.03	<0.016	<0.02	<0.022	<0.022	
	8/19/13	3	<0.03	<0.016	<0.02	<0.022	<0.022	
	12/2/13	2	<0.03	<0.016	<0.02	<0.022	<0.022	
	2/21/14	6.5	<0.03	<0.016	<0.02	<0.022	<0.022	
	5/14/14	VES down for repairs						
	8/13/14	VES returned to service						
	8/21/14	<1	<1	<0.5	<0.5	<0.5	<0.5	
	11/20/14	<0.034	<0.03	<0.016	<0.02	<0.022	<0.022	
	3/3/15	<0.034	<0.03	<0.016	<0.02	<0.022	<0.022	
4/22/15	VES down for repairs; re-started 10/8/15							

Table 9: Deep Soil Vapor Extraction Well Analytical Data
Former ANCO Metal Improvement Company
417 West 164th Street, Carson, CA 90248

Sample I.D.	Date Sampled	PCE	TCE	Benzene	Toluene	Ethyl-Benzene	Xylenes
D4 cont'd	11/18/15	0.99	<0.03	<0.016	0.03	<0.022	<0.022
	3/8/16	0.28	<0.03	<0.016	0.06	<0.022	<0.022
	5/24/16	1.33	0.03	<0.016	<0.02	<0.022	<0.022
	9/6/16	0.6	0.01	<0.016	<0.02	<0.022	<0.022
	11/28/16	0.27	0.004	<0.016	0.02	<0.022	<0.022
	3/6/17	0.86	0.03	<0.002	0.04	<0.003	<0.01
	4/3/17	0.44	0.01	0.005	0.08	0.02	0.15
	5/22/17	0.47	0.06	<0.002	0.09	<0.007	0.05
	9/19/17	0.17	0.02	0.002	0.02	<0.003	<0.005
	11/27/17	1.06	0.05	0.004	0.03	<0.004	0.01
	3/19/18	0.16	0.004	0.003	0.14	0.064	0.49
6/4/18	0.32	0.016	<0.003	0.03	0.007	0.05	
10/16/18	0.14	<0.01	0.006	0.03	<0.008	0.01	
D5	12/10/09	64	<1	<0.5	<0.5	<0.5	<0.5
	3/22/10	4.0	<1	<0.5	<0.5	<0.5	<0.5
	6/28/10	<1	<1	<0.5	<0.5	<0.5	<0.5
	9/30/10	4.9	<0.5	<0.5	<0.5	<0.5	<0.5
	12/30/10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/29/11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	6/30/11	8.2	<0.5	<0.5	<0.5	<0.5	<0.5
	9/30/11	<1	<1	<0.5	<0.5	<0.5	<0.5
	12/28/11	16	<1	<0.5	<0.5	<0.5	<0.5
	6/27/12	2.1	<0.03	<0.016	<0.02	<0.022	<0.022
	9/12/12	39	<0.03	<0.016	<0.02	<0.022	<0.022
	11/28/12	<0.034	<0.03	<0.016	<0.02	<0.022	<0.022
	3/4/13	21	<0.03	<0.016	<0.02	<0.022	<0.022
	6/18/13	<0.034	<0.03	<0.016	<0.02	<0.022	<0.022
	8/19/13	2.3	<0.03	<0.016	<0.02	<0.022	<0.022
	12/2/13	4.3	<0.03	<0.016	<0.02	<0.022	<0.022
	2/21/14	<0.034	<0.03	<0.016	<0.02	<0.022	<0.022
	5/14/14	VES down for repairs					
	8/13/14	VES returned to service					
	8/21/14	2.6	<1	<0.5	<0.5	<0.5	<0.5
	11/20/14	2.6	<0.03	<0.016	<0.02	<0.022	<0.022
	3/3/15	<0.034	<0.03	<0.016	<0.02	<0.022	<0.022
	4/22/15	VES down for repairs; re-started 10/8/15					
	11/18/15	0.37	<0.03	<0.016	0.02	<0.022	<0.022
	3/8/16	0.07	<0.03	<0.016	0.03	<0.022	<0.022
	5/24/16	0.24	<0.03	<0.016	<0.02	<0.022	<0.022
	9/6/16	1.49	<0.004	<0.016	<0.02	<0.022	<0.022
	11/28/16	0.27	0.004	<0.016	<0.02	<0.022	<0.022
	3/6/17	0.04	0.01	<0.002	0.05	0.003	0.016
	4/3/17	0.59	0.01	0.002	0.06	0.01	0.08
	5/22/17	0.15	<0.01	<0.002	0.07	<0.01	0.04
	9/19/17	0.08	0.005	0.002	0.02	<0.003	<0.005
	11/27/17	0.11	<0.004	<0.003	0.03	<0.004	0.01
	3/19/18	0.25	0.02	<0.003	0.11	0.04	0.32
	6/4/18	0.7	0.006	<0.003	0.01	0.003	0.02
	10/16/18	2.0	0.05	<0.006	0.03	<0.008	<0.008

All results presented in micrograms per liter (µg/L). Vapor samples collected since June 27, 2012, are analyzed by Method TO-15 and reported as ppmv or ppbv; Table 9 results are presented in µg/L.

Table 10: Historic Vapor Influent Sample Analytical Data for VOCs
Former ANCO Metal Improvement Company
417 WEst 164th Street, Carson, CA 90248

VAPOR Sample I.D.	Date Sampled	PCE (µg/L)	TCE (µg/L)	Other VOCs by 8260B or TO-15
Influent	12/15/2009	16	<0.5	ND for all
	1/28/2010	4.2	<0.5	ND for all
	2/16/2010	<0.5	<0.5	ND for all
	3/22/2010	1.5	<0.5	ND for all
	4/26/2010	120	<0.5	ND for all
	5/20/2010	36	<0.5	ND for all
	6/28/2010	23	<0.5	ND for all
	7/23/2010	51	<0.5	ND for all
	8/9/2010	46	<0.5	ND for all
	9/29/2010	57	<0.5	ND for all
	10/29/2010	34	<0.5	ND for all
	11/23/2010	10	<0.5	ND for all
	12/30/2010	25	<0.5	ND for all
	1/31/2011	9.8	<0.5	ND for all
	2/28/2011	23	<0.5	2.8 (1,2-DCA)
	3/29/2011	21	<0.5	ND for all
	4/29/2011	18	<0.5	ND for all
	5/24/2011	65	<0.5	ND for all
	6/30/2011	66	<0.5	ND for all
	7/25/2011	64	<0.5	ND for all
	8/22/2011	55	<0.5	ND for all
	9/30/2011	23	<1	ND for all
	10/27/2011	19	<1	ND for all
	11/21/2011	21	<1	ND for all
	12/22/2011	16	<1	ND for all
	1/25/2012	19	<1	ND for all
	2/27/2012	10	<1	ND for all
	4/13/2012	24	<1	ND for all
	5/4/2012	24	<1	ND for all
	6/19/2012	53	<0.03	ND for all
	7/12/2012	22	<0.03	ND for all
	8/15/2012	14	<0.03	ND for all
	9/10/2012	10	<0.03	ND for all
	10/12/2012	16	<0.03	ND for all
	11/16/2012	14	<0.03	ND for all
	12/7/2012	11	<0.03	ND for all
	2/15/2013	6.3	<0.03	ND for all
	3/14/2013	6.4	<0.03	ND for all
	5/20/2013	8.1	<0.03	ND for all
	6/4/2013	10.8	<0.03	ND for all
	7/9/2013	4.3	<0.03	ND for all
	8/2/2013	14.2	<0.03	ND for all
9/3/2013	8.8	<0.03	ND for all	
9/20/2013	6.2	<0.03	ND for all	
11/11/2013	19	<0.03	ND for all	
12/11/2013	17.6	<0.03	ND for all	
1/10/2014	<0.034	<0.03	ND for all	
1/20/2014	5	<0.03	ND for all	
2/11/2014	<0.034	<0.03	ND for all	
3/14/2014	24	<0.03	ND for all	
4/15/2014	25	<0.03	ND for all	
4/25/2014	VES shutdown due to mechanical failure Apr-Aug 2014			
8/13/2014	10	<0.03	ND for all	
9/9/2014	<0.034	<0.03	ND for all	
9/19/2014	26	<0.03	ND for all	
10/17/2014	24	<0.03	ND for all	
11/14/2014	14	<0.03	ND for all	
12/15/2014	14	<0.03	ND for all	
1/14/2015	3.9	<0.03	ND for all	
2/17/2015	8.95	<0.03	ND for all	

Table 10: Historic Vapor Influent Sample Analytical Data for VOCs
Former ANCO Metal Improvement Company
417 WEst 164th Street, Carson, CA 90248

VAPOR Sample I.D.	Date Sampled	PCE (µg/L)	TCE (µg/L)	Other VOCs by 8260B or TO-15
Influent	3/16/2015	6.1	<0.03	ND for all
	4/13/2015	<0.034	<0.03	ND for all
	4/22/2015	VES shutdown due to mechanical failure Apr-Oct 2015		
	10/12/2015	6	0.08	See Lab Report (Att. X)
	10/28/2015	5	0.07	See Lab Report (Att. X)
	11/17/2015	4	0.04	See Lab Report (Att. X)
	12/8/2015	3.4	0.06	See Lab Report (Att. X)
	1/11/2016	2.56	0.04	See Lab Report (Att. X)
	2/11/2016	2.75	0.05	See Lab Report (Att. X)
	3/8/2016	1.91	0.04	See Lab Report (Att. X)
	4/11/2016	1.98	0.06	See Lab Report (Att. X)
	5/9/2016	1.81	0.06	See Lab Report (Att. X)
	6/13/2016	2.5	0.07	See Lab Report (Att. X)
	7/13/2016	3.19	0.09	See Lab Report (Att. X)
	8/2/2016	3.15	0.08	See Lab Report (Att. X)
	9/6/2016	1.66	<0.06	See Lab Report (Att. X)
	10/10/2016	1.36	0.06	See Lab Report (Att. X)
	11/8/2016	1.88	0.06	See Lab Report (Att. X)
	12/8/2016	1.25	0.27	See Lab Report (Att. X)
	1/9/2017	1.50	<0.54	See Lab Report (Att. X)
	2/8/2017	1.56	<0.54	See Lab Report (Att. X)
	3/7/2017	1.95	<0.54	See Lab Report (Att. X)
	4/3/2017	1.59	<0.54	See Lab Report (Att. X)
	5/9/2017	3.64	<0.54	See Lab Report (Att. X)
	6/14/2017	1.51	<0.54	See Lab Report (Att. X)
	7/10/2017	0.85	<0.54	See Lab Report (Att. X)
	8/11/2017	1.87	<0.54	See Lab Report (Att. X)
	9/15/2017	1.70	<0.54	See Lab Report (Att. X)
	10/16/2017	2.32	<0.54	See Lab Report (Att. X)
	11/6/2017	2.43	<0.54	See Lab Report (Att. X)
	12/4/2017	VES shutdown for repairs; re-started 1/8/18		
	1/10/2018	1.43	<0.54	See Lab Report (Att. X)
	2/8/2018	1.66	<0.54	See Lab Report (Att. X)
3/19/2018	1.25	<0.54	See Lab Report (Att. X)	
4/9/2018	1.97	<0.54	See Lab Report (Att. X)	
5/9/2018	2.44	<0.54	See Lab Report (Att. X)	
6/7/2018	VES shut down for GAC change-out; re-started 7/5/18			
7/16/2018	<0.68	<0.54	See Lab Report (Att. X)	
7/16/2018	VES shut down for 90-day vapor rebound test			

Results above presented in micrograms per liter (µg/L). Effective July 2012, influent vapor samples were analyzed for VOCs by Method TO-15 and reported by the laboratory as ppmv; results in this table are presented as µg/L.

Table 11: PCE Removal Rates for Vapors (2009-2018)
Former ANCO Metal Improvement Company
417 West 164th Street, Carson, CA 90248

Month of Sample Collection	Average Concentration (ppbv)	Duration (days)	PCE Removed (pounds)	Cumulative PCE Removed (Vapors)
December 2009	2,361	10	2.05	2.05
January 2010	620	15	0.81	2.86
March 2010	221	23	0.44	3.3
April 2010	17,704	17	26.17	29.47
May 2010	5,311	7	3.23	32.7
June 2010	3,393	9	2.66	35.36
July 2010	7,524	13	8.5	43.86
August 2010	6,787	3	1.92	45.78
September 2010	8,409	8	5.61	51.39
October 2010	5,016	27	11.77	63.16
November 2010	1,475	22	2.822	65.98
December 2010	3,688	5	1.6	67.58
January 2011	1,328	21	2.42	70
February 2011	3,393	18	5.31	75.31
March 2011	3,098	22	5.93	81.24
April 2011	2,655	23	5.31	86.55
May 2011	9,588	26	21.67	108.22
June 2011	9,735	15	12.7	120.92
July 2011	9,440	14	11.5	132.42
August 2011	8,113	20	14.1	146.52
September 2011	3,393	13	3.83	150.35
October 2011	2,803	22	5.36	155.71
November 2011	3,098	26	7.01	162.72
December 2011	2,360	24	4.92	167.64
January 2012	2,800	-----*	-----*	167.64
February 2012	1,474	-----*	-----*	167.64
March 2012	-----*	-----*	-----*	167.64
April 2012	3,538	1.5	0.46	168.1
May 2012	3,600	7	2.2	170.3
June 2012	7,800	24	16.3	186.6
July 2012	3,300	13.6	3.9	190.5
August 2012	2,250	18.7	3.66	194.16
September 2012	1,500	15.7	2.04	196.20
October 2012	2,300	15	2.99	199.19
November 2012	2,000	20.5	3.57	202.76
December 2012	1,600	12 ^A	1.66	204.42
December 2012	1,600	2.2 ^B	0.31	204.73
January 2013	n/s	-----	-----	-----

Table 11: PCE Removal Rates for Vapors (2009-2018)
Former ANCO Metal Improvement Company
417 West 164th Street, Carson, CA 90248

Month of Sample Collection	Average Concentration (ppbv)	Duration (days)	PCE Removed (pounds)	Cumulative PCE Removed (Vapors)
February 2013	930	18.3	1.48	206.21
March 2013	940	12.7	1.04	207.25
April 2013	VES shut down 3/15 to 5/20 for repairs			-----
May 2013	1,200	10	1.04	208.29
June 2013	1,600	10.7 ^C	1.49	209.78
June 2013	1,600	7.62 ^D	1.06	210.53
July 2013	640	4.31	0.24	210.84
August 2013	2,100	7.94	1.45	212.53
September 2013	1,300	9.4 ^E	1.06	213.59
September 2013	920	4.4 ^F	0.35	213.94
October 2013	VES shut down 10/3 to 11/6 for repairs			-----
November 2013	2,800	29.9	7.28	221.22
December 2013	2,600	14.8	3.35	224.57
January 2014	<5	3.25 ^G	0.0	224.57
January 2014	730	15.4 ^H	0.98	225.55
February 2014	<5	9.9 ^I	0.0	225.55
March 2014	3,500	7.0	2.13	227.68
April 2014	3,700	13.6	4.38	232.06
May 2014	VES shut down 4/25 to 8/12 for repairs			
June 2014	VES not operated during June 2014			
July 2014	VES not operated during July 2014			
August 2014	5,500 ^J	5.25	2.5	234.56
August 2014	9,000 ^K	10.75	8.4	242.96
September 2014	3,800	13.8	4.6	247.56
October 2014	3,600	19.5	6.1	253.66
November 2014	2,000	17.5	3.04	256.70
December 2014	2,100	5.25	0.96	257.66
January 2015	580	20	1.01	258.67
February 2015	660	21	1.20	259.87
March 2015	900	26.8	2.1	261.97
April 2015	<5	10	0.0	261.97
April 22, 2015	VES shut down due to mechanical failure; re-started October 9, 2015			
October 2015	884	13	0.64	262.61
November 2015	592	19.7	0.76	263.37
December 2015	509	19.5	0.64	264.01
January 2016	378	9.5	0.21	264.22
February 2016	406	19.4	0.43	264.65
March 2016	282	22.7	0.41	265.06

Table 11: PCE Removal Rates for Vapors (2009-2018)
Former ANCO Metal Improvement Company
417 West 164th Street, Carson, CA 90248

Month of Sample Collection	Average Concentration (ppbv)	Duration (days)	PCE Removed (pounds)	Cumulative PCE Removed (Vapors)
April 2016	292	19.9	0.36	265.42
May 2016	267	18.04	0.29	265.71
June 2016	369	14.54	0.31	266.02
July 2016	470	22.38	0.65	266.67
August 2016	464	31	1.02	267.69
September 2016	244	29.25	0.45	268.14
October 2016	200	31	0.34	268.48
November 2016	277	29.67	0.39	268.87
December 2016	184	23	0.22	269.09
January 2017	221	29	0.33	269.42
February 2017	230	28.4	0.37	269.79
March 2017	288	26.95	0.45	270.24
April 2017	235	26.95	0.37	270.61
May 2017	536	30.83	0.96	271.57
June 2017	222	27.29	0.35	271.92
July 2017	126	31	0.20	272.12
August 2017	275	31	0.41	272.53
September 2017	250	30	0.33	272.86
October 2017	342	25.3	0.37	273.23
November 2017	358	27.4	0.44	273.67
December 2017	VES shut down 12/04/17 for repairs; not re-started during 2017			
January 2018	211	17.17	0.19	273.86
February 2018	244	8.67	0.10	273.96
March 2018	185	19.9	0.19	274.15
April 2018	290	29	0.43	274.58
May 2018	360	31	0.64	275.22
June 2018	360	3.4	0.07	275.29
July 2018	<100	9.2	-----	275.29
ppbv = part per billion by volume.		n/s = not sampled		
-----* VES performance data not available.				
A. Through December 15, 2012.		G. January 1-10, 2014.		
B. December 15 - 31, 2012		H. January 11-February 11, 2014.		
C. Through June 15, 2013.		I. February 11-21, 2014.		
D. June 15 - July 1, 2013		J. Based on deep VEW lab data		
E. September 1 - 20, 2013		K. Based on shallow VEW lab data		
F. September 20 - 30, 2013				

Table 12: PCE Removal Rates for Groundwater (2009-2018)
Former ANCO Metal Improvement Company
417 West 164th Street, Carson, CA 90248

Month of Sample Collection	Average PCE Concentration (µg/L)	Quantity of Groundwater (Gallons)	PCE Removed (Pounds)	Cumulative PCE Removed (Groundwater)
December 2009	49.6	655,533	0.27	0.27
March 2010	42	1,695,627	0.59	0.86
April 2010	57.3	655,096	0.31	1.17
May 2010	86.1	1,025,684	0.74	1.91
June 2010	115.5	532,890	0.51	2.42
Jul 2010	62	625,472	0.32	2.74
August 2010	66	439,550	0.24	2.98
September 2010	70	512,447	0.3	3.28
October 2010	110	1,141,498	1.05	4.33
November 2010	103.5	903,905	0.78	5.11
December 2010	198.5	356,767	0.59	5.7
January 2011	525	630,395	2.76	8.46
February 2011	700	138,181	0.81	9.27
March 2011	795	599,254	3.97	13.24
April 2011	710	1,073,000	6.35	19.59
May 2011	565	1,029,000	4.85	24.44
June 2011	645	1,691,595	9.1	33.54
July 2011	455	569,738	2.16	35.7
August 2011	420	541,755	1.9	37.6
September 2011	540	451,467	2.03	39.63
October 2011	412	467,525	1.61	41.24
November 2011	285	666,096	1.58	42.82
December 2011	280	674,124	1.57	44.39
January 2012	28	169,800	0.04	44.43
February 2012	17	169,900	0.02	44.45
March 2012	17	169,900	0.02	44.47
April 2012	41	616,800	0.21	44.68
May 2012	41	978,700	0.33	45.01
June 2012	260	1,504,900	3.26	48.27
July 2012	310	1,063,900	2.75	51.02
August 2012	260	1,887,300	4.09	55.11
September 2012	210	1,453,100	2.54	57.65
October 2012	270	1,904,100	4.29	61.94
November 2012	330	1,686,200	4.64	66.58
December 2012 ^A	380	807,100	2.56	69.14
December 2012 ^B	380	516,900	1.64	70.78
January 2013	350	1,110,500	3.24	74.02
February 2013 ^C	360	447,600	1.34	75.36
March 2013	230	1,622,600	3.11	78.47
April 2013	230	1,170,800	2.25	80.72

Table 12: PCE Removal Rates for Groundwater (2009-2018)
Former ANCO Metal Improvement Company
417 West 164th Street, Carson, CA 90248

Month of Sample Collection	Average PCE Concentration (µg/L)	Quantity of Groundwater (Gallons)	PCE Removed (Pounds)	Cumulative PCE (Pounds)
May 2013	250	1,865,900	3.89	84.61
June 2013 ^D	160	729,200	0.97	85.58
June 2013 ^E	160	711,300	0.95	86.53
July 2013	160	1,371,700	1.83	88.36
August 2013	590	849,300	4.18	92.54
September 2013	290	1,033,200	2.50	95.04
October 2013	160	1,017,900	1.36	96.40
November 2013	270	1,335,300	3.01	99.41
December 2013	390	971,100	3.16	102.57
January 2014	180	1,112,300	1.67	104.24
February 2014	300	1,481,900	3.71	107.95
March 2014	210	1,198,800	2.10	110.05
April 2014	280	1,497,400	3.50	113.55
May 2014	300	1,647,800	4.12	117.67
June 2014 ^F	200	1,121,500	1.87	119.54
June 2014 ^G	270	500,800	1.13	120.67
July 2014	170	1,529,900	2.17	122.84
August 2014	760	1,539,600	9.76	132.60
September 2014	330	504,800	1.39	133.99
October 2014	No waste water discharge 9/9/14 to 10/30/14			
November 2014	260	1,613,700	3.50	137.49
December 2014	670	828,000	4.63	142.12
January 2015	420	1,405,500	4.92	147.04
February 2015	110	1,293,500	1.19	148.23
March 2015	240	1,686,200	3.38	151.61
April 2015	290	1,129,300	2.73	154.34
May 2015	200	1,538,800	2.57	156.91
June 2015	260	962,700	2.09	159.00
July 2015	260	1,085,300	2.35	161.35
August 2015	190	1,032,100	1.64	162.99
September 2015	210	1,087,600	1.90	164.89
October 2015	200	1,191,400	1.99	166.88
November 2015	160	1,127,600	1.50	168.38
December 2015	190	1,247,000	2.02	170.40
January 2016	240	948,600	1.90	172.30
February 2016	200	1,146,000	1.91	174.21
March 2016	160	1,327,000	1.77	175.98
April 2016	270	1,069,100	2.41	178.39
May 2016	180	1,122,800	1.69	180.08
June 2016	300	899,100	2.25	182.34

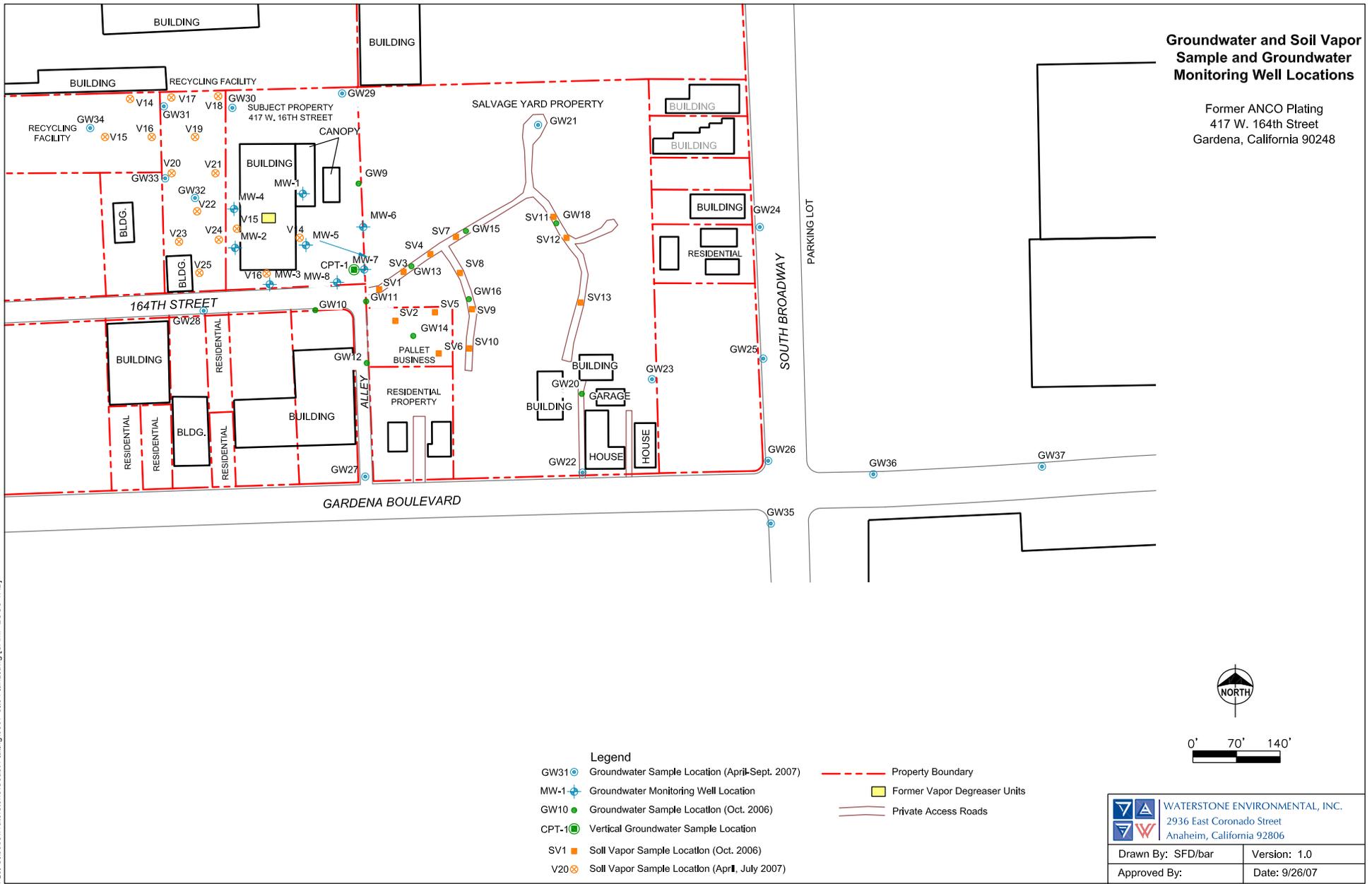
Table 12: PCE Removal Rates for Groundwater (2009-2018)
Former ANCO Metal Improvement Company
417 West 164th Street, Carson, CA 90248

Month of Sample Collection	Average PCE Concentration (µg/L)	Quantity of Groundwater (Gallons)	PCE Removed (Pounds)	Cumulative PCE (Pounds)
July 2016	140	1,299,300	1.52	183.86
August 2016	150	1,021,900	1.28	185.14
September 2016	150	894,500	1.12	186.26
October 2016	210	1,267,500	2.22	188.48
November 2016	200	1,120,800	1.87	190.35
December 2016	169	1,355,600	1.91	192.26
January 2017	170	1,393,600	1.98	194.24
February 2017	160	1,204,000	1.61	195.85
March 2017	170	1,245,200	1.77	197.62
April 2017	182	1,310,300	1.99	199.61
May 2017	250	1,519,100	3.17	202.78
June 2017	140	1,231,600	1.44	204.22
July 2017	180	814,700	1.22	205.44
August 2017	170	1,043,300	1.48	206.92
September 2017	240	577,100	1.16	208.08
October 2017	150	889,000	1.11	209.19
November 2017	150	1,528,400	1.91	211.10
December 2017	140	1,474,200	1.72	212.82
January 2018	120	1,472,200	1.47	214.29
February 2018	190	883,600	1.40	215.68
March 2018	131	1,234,300	1.35	217.03
April 2018	120	1,417,000	1.42	218.45
May 2018	120	1,393,300	1.39	219.84
June 2018	176	1,346,000	1.98	221.82
July 2018	140	1,420,100	1.66	223.47
August 2018	130	1,299,800	1.41	224.88
September 2018	81	955,200	0.65	225.52
October 2018	92	1,158,100	0.89	226.41
November 2018	87	1,220,900	0.89	227.30
December 2018	138	1,134,900	1.31	228.60
A. Through December 15, 2012		E. June 16 – July 1, 2013		
B. Through December 31, 2012		F. Through June 20, 2014		
C. Reduced Operation due to pump failure		G. June 20 – July 1, 2014		
D. Through June 15, 2013				

ATTACHMENT I

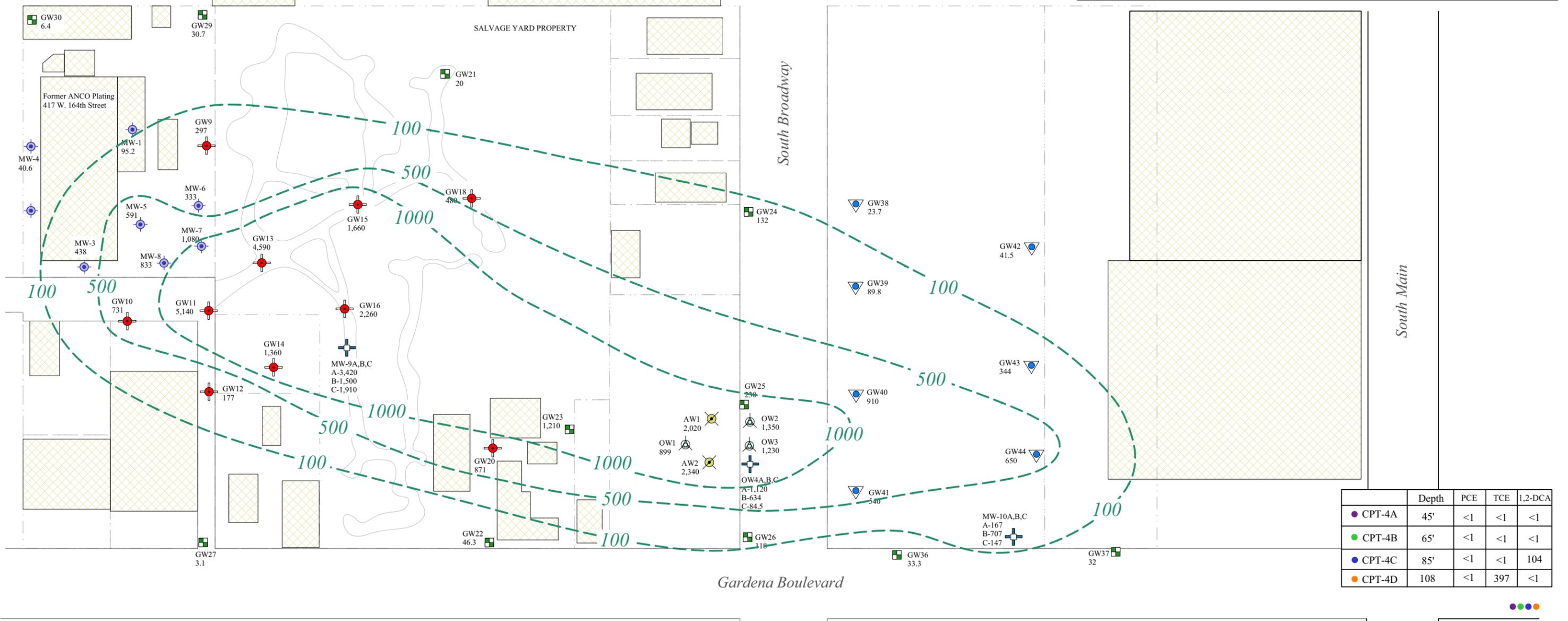
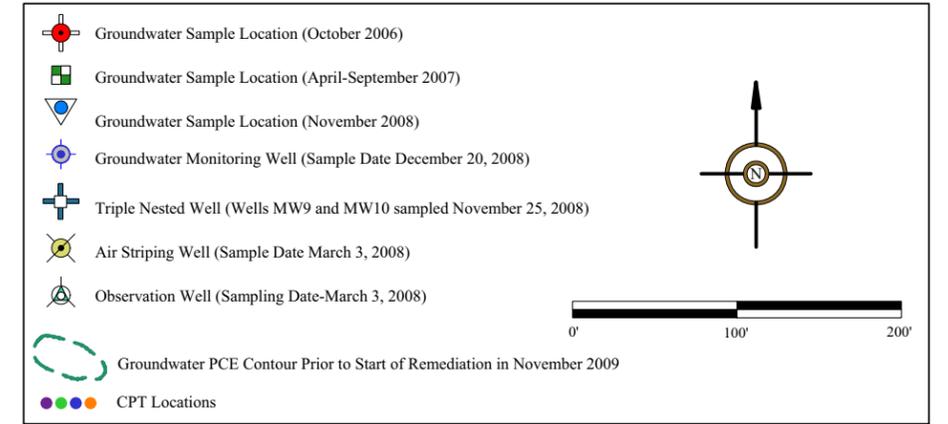
Historical Site Maps

File: C:\Jobs\Waterstone\Coast Plating\0807 Site PlanB.dwg [SAMP_LOCS TAB]



WATERSTONE ENVIRONMENTAL, INC. 2936 East Coronado Street Anaheim, California 92806	
Drawn By: SFD/bar	Version: 1.0
Approved By:	Date: 9/26/07

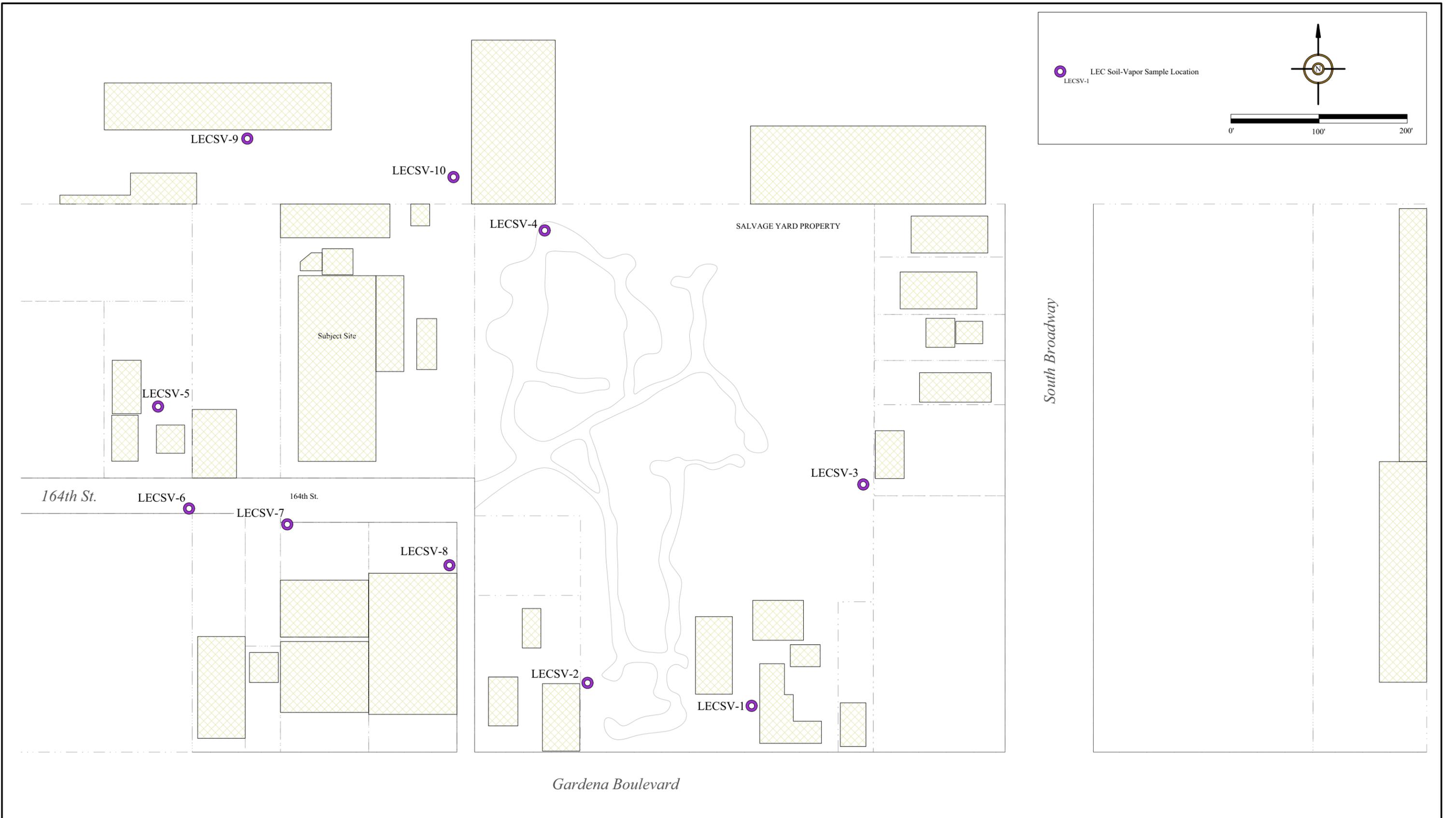
LEC Figure I-A



	Depth	PCE	TCE	1,2-DCA
● CPT-4A	45'	<1	<1	<1
● CPT-4B	65'	<1	<1	<1
● CPT-4C	85'	<1	<1	104
● CPT-4D	108'	<1	397	<1

FIGURE 3: SITE PLAN ANALYTICAL RESULTS
 Former ANCO Plating
 417 W. 164th Street
 Gardena, California 90248

*Results presented in micrograms per liter



Soil-Vapor Probe Locations

Former ANCO Plating Facility
 417 W. 164th Street
 Gardena, California 90248

LEC Figure I-C

Leymaster Environmental Consulting
 5500 E. Atherton Street, Suite 210
 Long Beach, California 90815

ATTACHMENT II

Well Sample Data Logs

Second Half 2018

Leymaster Environmental Consulting, LLC

WELL SAMPLE DATA LOG

PROJECT: ANCO (417 W. 164th St, Carson, CA) DATE: 11/13/18 SAMPLER: MD

WELL DATA

WELL NUMBER: MW-1	SCREEN INTERVAL: 35'-70'
DEPTH TO WATER: <u>43.16</u>	TOTAL DEPTH:
DTW June 2018: 42.79'	PUMP SET AT: 55' bgs

WELL PURGING DATA

PURGING METHOD: LOW FLOW dedicated pump	VOLUME OF WATER PURGED:
TIME STARTED: <u>1153</u>	TIME COMPLETED: <u>1230</u>
EQUIPMENT USED: Horiba U-52 (No. <u>New</u>); Solinst Interface Probe (No. <u>003656</u>)	

WELL PURGING PARAMETERS

Time Start/Stop	Purge Rate	Temp °C	pH	ORP (mV)	Cond (ms/cm)	Turbidity	DO (mg/L)
<u>1158</u>	<u>300</u>	<u>27.45</u>	<u>7.72</u>	<u>74</u>	<u>1.83</u>	<u>0.0</u>	<u>3.56</u>
<u>1200</u>		<u>27.55</u>	<u>7.14</u>	<u>102</u>	<u>1.83</u>	<u>0.0</u>	<u>3.45</u>
<u>1202</u>		<u>27.36</u>	<u>6.99</u>	<u>104</u>	<u>1.84</u>	<u>0.0</u>	<u>3.45</u>
<u>1204</u>		<u>27.11</u>	<u>6.91</u>	<u>99</u>	<u>1.85</u>	<u>0.0</u>	<u>3.39</u>
<u>1206</u>		<u>26.86</u>	<u>7.09</u>	<u>74</u>	<u>1.85</u>	<u>4.1</u>	<u>3.36</u>
<u>1208</u>		<u>26.92</u>	<u>7.97</u>	<u>33</u>	<u>1.86</u>	<u>6.3</u>	<u>3.30</u>
<u>1210</u>		<u>27.13</u>	<u>8.28</u>	<u>18</u>	<u>1.86</u>	<u>23.7</u>	<u>3.20</u>
<u>1212</u>		<u>27.20</u>	<u>8.26</u>	<u>17</u>	<u>1.87</u>	<u>21.1</u>	<u>3.16</u>
<u>1214</u>		<u>27.72</u>	<u>8.23</u>	<u>12</u>	<u>1.87</u>	<u>56.4</u>	<u>3.03</u>
<u>1216</u>		<u>27.92</u>	<u>8.25</u>	<u>8</u>	<u>1.87</u>	<u>37.6</u>	<u>2.98</u>
<u>1218</u>		<u>28.15</u>	<u>8.19</u>	<u>4</u>	<u>1.87</u>	<u>79.5</u>	<u>1.38</u>
<u>1220</u>		<u>28.38</u>	<u>8.26</u>	<u>-3</u>	<u>1.87</u>	<u>82.09</u>	<u>1.27</u>
	<u>.2-5 L/min</u>		<u>± 0.1 units</u>	<u>± 10 mV</u>	<u>± 3%</u>	<u>≤ 10 NTUs</u>	<u>±0.3 mg/L</u>

Sample No.	Quantity	Volume	Type	Preservative	Analysis
<u>MW-1</u>	<u>3</u>	<u>40-ml</u>	<u>VOA</u>	<u>ICE</u> <u>HCl</u>	<u>8260B</u>

Sample Time: 1224 Samplers Signature: [Signature]

Comments: _____

Leymaster Environmental Consulting, LLC

WELL SAMPLE DATA LOG

PROJECT: ANCO (417 W. 164th St, Carson, CA) DATE: 11/13/18 SAMPLER: MD

WELL DATA

WELL NUMBER: MW-2	SCREEN INTERVAL: 35' - 70'
DEPTH TO WATER: 42.12	TOTAL DEPTH
DTW June 2018: 41.96'	PUMP SET AT: 55'

WELL PURGING DATA

PURGING METHOD: LOW FLOW dedicated pump	VOLUME OF WATER PURGED: 3000
TIME STARTED: 0800	TIME COMPLETED: 0825
EQUIPMENT USED: Horiba U-52 (No. <i>new</i>); Solinst Interface Probe (No. 003656-1)	

WELL PURGING PARAMETERS

Time Start/Stop	Purge Rate	Temp °C	pH	ORP (mV)	Cond (ms/cm)	Turbidity	DO (mg/L)
806	300	23.90	5.19	168	2.03	83.4	2.00
808		24.05	5.09	172	2.04	57.7	1.94
810		24.27	5.15	168	2.04	18.2	1.87
812		24.11	5.15	167	2.03	0.1	1.86
814		24.86	5.15	167	2.03	0.2	1.84
816		23.87	5.17	165	2.03	0.0	1.77
	.2-.5 L/min		± 0.1 units	± 10 mV	± 3%	≤ 10 NTUs	± 0.3 mg/L

Sample No.	Quantity	Volume	Type	Preservative	Analysis
MW-2	3	40-ml	VOA	ICE HCl	8260B

Sample Time: 0818

Samplers Signature: *[Signature]*

Comments: _____

Leymaster Environmental Consulting, LLC

WELL SAMPLE DATA LOG

PROJECT: ANCO (417 W. 164th St, Carson, CA) DATE: 11/13/18 SAMPLER: MJD

WELL DATA

WELL NUMBER: MW-3	SCREEN INTERVAL: 35' - 70'
DEPTH TO WATER: 29.74 43.17	TOTAL DEPTH
DTW June 2018: 43.17'	PUMP SET AT: 55'

WELL PURGING DATA

PURGING METHOD: LOW FLOW dedicated pump	VOLUME OF WATER PURGED: 3000
TIME STARTED: 0914	TIME COMPLETED: 0939
EQUIPMENT USED: Horiba U-52 (No. New); Solinst Interface Probe (No. 003656-1)	

WELL PURGING PARAMETERS

Time Start/Stop	Purge Rate	Temp °C	pH	ORP (mV)	Cond (ms/cm)	Turbidity	DO (mg/L)
922	300	25.77	7.35	67	2.16	0.0	1.63
924		26.21	7.00	81	2.17	0.0	1.63
926		26.98	6.94	75	2.16	0.0	1.58
928		27.23	6.94	67	2.15	0.0	1.53
930		27.31	6.90	65	2.14	0.0	1.49
932		27.34	6.87	62	2.14	0.0	1.46
	.2-5 L/min		± 0.1 units	± 10 mV	± 3%	≤ 10 NTUs	± 0.3 mg/L

Sample No.	Quantity	Volume	Type	Preservative		Analysis	
MW-3	3	40-ml	VOA	ICE	HCl	8260B	

Sample Time: 0934 Samplers Signature:

Comments: _____

Leymaster Environmental Consulting, LLC

WELL SAMPLE DATA LOG

PROJECT: ANCO (417 W. 164th St, Carson, CA) DATE: 11/13/18 SAMPLER: MW

WELL DATA

WELL NUMBER: MW-4	SCREEN INTERVAL: 30' – 70'
DEPTH TO WATER: 41.53	TOTAL DEPTH:
DTW June 2018: 41.08'	PUMP SET AT: 55'

WELL PURGING DATA

PURGING METHOD: LOW FLOW dedicated pump	VOLUME OF WATER PURGED: 3000
TIME STARTED: 0430	TIME COMPLETED: 0910
EQUIPMENT USED: Horiba U-52 (No. New); Solinst Interface Probe (No. 00365671)	

WELL PURGING PARAMETERS

Time Start/Stop	Purge Rate	Temp °C	pH	ORP (mV)	Cond (ms/cm)	Turbidity	DO (mg/L)
0840	300	24.04	6.32	128	1.70	14.1	1.97
0842		24.10	6.20	138	1.70	6.9	1.90
0844		24.25	6.09	134	1.70	5.8	1.84
0846		24.21	6.01	137	1.70	3.4	1.74
0848		24.00	5.97	138	1.70	2.6	1.70
0850		23.76	5.98	137	1.70	1.4	1.68
0852		23.63	5.96	138	1.70	1.3	1.51
0854		23.56	5.96	138	1.71	1.2	1.44
	.2-.5 L/min		± 0.1 units	± 10 mV	± 3%	≤ 10 NTUs	±0.3 mg/L

Sample No.	Quantity	Volume	Type	Preservative		Analysis	
MW-4	3	40-ml	VOA	ICE	HCl	8260B	

Sample Time: 0856 Samplers Signature: 

Comments: _____

Leymaster Environmental Consulting, LLC

WELL SAMPLE DATA LOG

PROJECT: ANCO (417 W. 164th St, Carson, CA) DATE: 11/13/18 SAMPLER: MJ

WELL DATA

WELL NUMBER: MW-5	SCREEN INTERVAL: 30' - 70'
DEPTH TO WATER: 43.94	TOTAL DEPTH:
DTW June 2018: 43.71'	PUMP SET AT: 55'

WELL PURGING DATA

PURGING METHOD: LOW FLOW dedicated pump	VOLUME OF WATER PURGED: 3000
TIME STARTED: 1112	TIME COMPLETED: 1144
EQUIPMENT USED: Horiba U-52 (No. New); Solinst Interface Probe (No. 003656-1)	

WELL PURGING PARAMETERS

Time Start/Stop	Purge Rate	Temp °C	pH	ORP (mV)	Cond (ms/cm)	Turbidity	DO (mg/L)	
1114	300	28.01	6.62	78	1.36	20.1	0.51	
1120		28.11	6.49	83	1.36	18.3	0.45	
1122		28.04	6.42	85	1.37	17.4	0.39	
1124		27.85	6.38	86	1.37	14.9	0.36	
1126		27.76	6.36	86	1.38	12.8	0.33	
1128		27.72	6.36	86	1.38	10.3	0.32	
1130		27.66	6.35	85	1.39	11.0	0.32	
1132								
	.2-.5 L/min		± 0.1 units	± 10 mV	± 3%	≤ 10 NTUs	± 0.3 mg/L	

Sample No.	Quantity	Volume	Type	Preservative		Analysis	
MW-5	3	40-ml	VOA	ICE	HCl	8260B	

Sample Time: 1134 Samplers Signature:

Comments: _____

Leymaster Environmental Consulting, LLC

WELL SAMPLE DATA LOG

PROJECT: ANCO (417 W. 164th St, Carson, CA) DATE: 11/13/18 SAMPLER: MD

WELL DATA

WELL NUMBER: MW-8	SCREEN INTERVAL: 30' - 70'
DEPTH TO WATER: <u>44.11</u>	TOTAL DEPTH:
DTW June 2018: 43.77'	PUMP SET AT: 55'

WELL PURGING DATA

PURGING METHOD: LOW FLOW dedicated pump	VOLUME OF WATER PURGED: <u>3000</u>
TIME STARTED: <u>10 37</u>	TIME COMPLETED: <u>11 00</u>
EQUIPMENT USED: Horiba U-52 (No. <u>Wew</u>); Solinst Interface Probe (No. <u>003656+1</u>)	

WELL PURGING PARAMETERS

Time Start/Stop	Purge Rate	Temp °C	pH	ORP (mV)	Cond (ms/cm)	Turbidity	DO (mg/L)
<u>1042</u>	<u>300</u>	<u>27.17</u>	<u>6.85</u>	<u>70</u>	<u>2.01</u>	<u>0.0</u>	<u>1.65</u>
<u>1044</u>	<u> </u>	<u>27.33</u>	<u>6.68</u>	<u>76</u>	<u>2.01</u>	<u>0.0</u>	<u>1.52</u>
<u>1046</u>	<u> </u>	<u>27.53</u>	<u>6.61</u>	<u>79</u>	<u>2.02</u>	<u>0.0</u>	<u>1.50</u>
<u>1048</u>	<u> </u>	<u>27.73</u>	<u>6.59</u>	<u>79</u>	<u>2.01</u>	<u>0.0</u>	<u>1.47</u>
<u>1050</u>	<u> </u>	<u>27.87</u>	<u>6.58</u>	<u>79</u>	<u>2.02</u>	<u>0.0</u>	<u>1.41</u>
<u>1052</u>	<u> </u>	<u>27.98</u>	<u>6.57</u>	<u>79</u>	<u>2.02</u>	<u>0.0</u>	<u>1.39</u>
	<u>.2-.5 L/min</u>		<u>± 0.1 units</u>	<u>± 10 mV</u>	<u>± 3%</u>	<u>≤ 10 NTUs</u>	<u>±0.3 mg/L</u>

Sample No.	Quantity	Volume	Type	Preservative		Analysis	
<u>MW-8</u>	<u>3</u>	<u>40-ml</u>	<u>VOA</u>	<u>ICE</u>	<u>HCl</u>	<u>8260B</u>	

Sample Time: 1054 Samplers Signature: [Signature]

Comments: _____

Leymaster Environmental Consulting, LLC

WELL SAMPLE DATA LOG

PROJECT: ANCO (417 W. 164th St, Carson, CA) DATE: 11/12/18 SAMPLER: MD

WELL DATA

WELL NUMBER: MW-9B	SCREEN INTERVAL: 55' - 70'
DEPTH TO WATER: 43.25	TOTAL DEPTH:
DTW June 2018: 42.81'	PUMP SET AT: 62'

WELL PURGING DATA

PURGING METHOD: LOW FLOW dedicated pump	VOLUME OF WATER PURGED: 3000
TIME STARTED: 1305	TIME COMPLETED: 1320
EQUIPMENT USED: Horiba U-52 (No. <i>Wen</i>); Solinst Interface Probe (No. 00363671)	

WELL PURGING PARAMETERS

Time Start/Stop	Purge Rate	Temp °C	pH	ORP (mV)	Cond (ms/cm)	Turbidity	DO (mg/L)
1312	300	25.89	6.92	-67	1.74	161	0.60
1314		26.44	6.13	-183	1.64	+0.0	1.32
1316		26.26	6.11	-180	1.68	+0.0	0.81
1318		26.17	6.21	-182	1.73	+0.0	0.58
1320		26.24	6.21	-182	1.74	+0.0	0.50
1322		26.37	6.23	-182	1.74	+0.0	0.49
	.2-.5 L/min		± 0.1 units	± 10 mV	± 3%	≤ 10 NTUs	± 0.3 mg/L

Sample No.	Quantity	Volume	Type	Preservative	Analysis
	3	40-ml	VOA	ICE HCl	8260B

Sample Time: 1324 Samplers Signature: *[Signature]*

Comments: Bad pump

Leymaster Environmental Consulting, LLC

WELL SAMPLE DATA LOG

PROJECT: ANCO (417 W. 164th St, Carson, CA) DATE: 11/12/18 SAMPLER: MW

WELL DATA

WELL NUMBER: MW-9C	SCREEN INTERVAL: 75' - 90'
DEPTH TO WATER: 45.93	TOTAL DEPTH:
DTW June 2018: 45.96'	PUMP SET AT: 82'

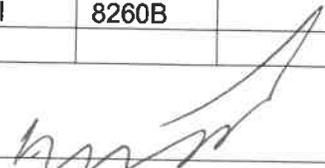
WELL PURGING DATA

PURGING METHOD: LOW FLOW dedicated pump	VOLUME OF WATER PURGED: 3000
TIME STARTED: 1353	TIME COMPLETED:
EQUIPMENT USED: Horiba U-52 (No. New); Solinst Interface Probe (No. 03656-1)	

WELL PURGING PARAMETERS

Time Start/Stop	Purge Rate	Temp °C	pH	ORP (mV)	Cond (ms/cm)	Turbidity	DO (mg/L)
1356	300	25.89	6.88	-129	1.61	179	0.38
1358		25.87	6.89	-124	1.60	179	0.35
1400		25.87	6.88	-118	1.60	402	0.34
1402		25.93	6.87	-111	1.60	579	0.34
1404		26.14	6.89	-110	1.62	586	0.30
1406		26.48	6.88	-107	1.60	593	0.32
	.2-.5 L/min		± 0.1 units	± 10 mV	± 3%	≤ 10 NTUs	± 0.3 mg/L

Sample No.	Quantity	Volume	Type	Preservative		Analysis	
MW9C	3	40-ml	VOA	ICE	HCl	8260B	

Sample Time: 1408 Samplers Signature: 

Comments: _____

Leymaster Environmental Consulting, LLC

WELL SAMPLE DATA LOG

PROJECT: ANCO (417 W. 164th St, Carson, CA) DATE: 11/15/18 SAMPLER: MO

WELL DATA

WELL NUMBER: MW-9D	SCREEN INTERVAL: 110' - 120'
DEPTH TO WATER: 50.24	TOTAL DEPTH: 119.01'
DTW June 2018: 50.49'	PUMP SET AT: 115'

WELL PURGING DATA

PURGING METHOD: LOW FLOW dedicated pump	VOLUME OF WATER PURGED:
TIME STARTED: 0919	TIME COMPLETED: 0954
EQUIPMENT USED: Horiba U-52 (No. New); Solinst Interface Probe (No. 003656-i)	

WELL PURGING PARAMETERS

Time Start/Stop	Purge Rate	Temp °C	pH	ORP (mV)	Cond (ms/cm)	Turbidity	DO (mg/L)
924	300	24.98	3.41	-87	0.577	10.0	4.24
926		25.12	4.58	-146	0.573	586	2.97
928		25.13	5.85	-213	0.570	303	2.05
930		25.14	6.35	-243	0.571	240	1.39
932		25.50	6.90	-262	0.567	181	0.93
934		25.75	6.85	-244	0.557	103	0.88
936		25.63	6.92	-240	0.554	65.4	0.79
938		25.52	6.97	-236	0.550	35.4	0.72
940		25.64	6.94	-236	0.546	28.3	0.71
	.2-.5 L/min		± 0.1 units	± 10 mV	± 3%	≤ 10 NTUs	± 0.3 mg/L

Sample No.	Quantity	Volume	Type	Preservative	Analysis
MW 9D	3	40-ml	VOA	ICE HCl	8260B

Sample Time:

942

Samplers Signature:



Comments:

Leymaster Environmental Consulting, LLC

WELL SAMPLE DATA LOG

PROJECT: ANCO (417 W. 164th St, Carson, CA) DATE: 11/14/18 SAMPLER: MAD

WELL DATA

WELL NUMBER: MW-10A	SCREEN INTERVAL: 25' - 50'
DEPTH TO WATER: 43.11	TOTAL DEPTH:
DTW June 2018: 42.90'	PUMP SET AT: 40' (may need to lower for sampling)

WELL PURGING DATA

PURGING METHOD: LOW FLOW dedicated pump	VOLUME OF WATER PURGED:
TIME STARTED: 09:37	TIME COMPLETED:
EQUIPMENT USED: Horiba U-52 (No. New); Solinst Interface Probe (No. 003656)	

WELL PURGING PARAMETERS

Time Start/Stop	Purge Rate	Temp °C	pH	ORP (mV)	Cond (ms/cm)	Turbidity	DO (mg/L)
09:40	300	27.97	7.56	90	1.19	387	2.76
09:42		28.29	7.50	93	1.20	262	2.64
09:44		29.00	7.52	93	1.20	235	2.55
09:46		29.22	7.57	90	1.21	133	2.61
09:48		29.50	7.59	89	1.21	140	2.63
09:50		29.62	7.52	94	1.21	138	2.60
	.2-5 L/min		± 0.1 units	± 10 mV	± 3%	≤ 10 NTUs	± 0.3 mg/L

Sample No.	Quantity	Volume	Type	Preservative		Analysis	
MW-10A	3	40-ml	VOA	ICE	HCl	8260B	

Sample Time: 09:56 Samplers Signature:

Comments: _____

Leymaster Environmental Consulting, LLC

WELL SAMPLE DATA LOG

PROJECT: ANCO (417 W. 164th St, Carson, CA) DATE: 11/19/18 SAMPLER: MD

WELL DATA

WELL NUMBER: MW-10B	SCREEN INTERVAL: 55' - 70'
DEPTH TO WATER: 43.16	TOTAL DEPTH:
DTW June 2018: 42.97'	PUMP SET AT: 62'

WELL PURGING DATA

PURGING METHOD: LOW FLOW dedicated pump	VOLUME OF WATER PURGED:
TIME STARTED: 1005	TIME COMPLETED: 1040
EQUIPMENT USED: Horiba U-52 (No. New); Solinst Interface Probe (No. 00365671)	

WELL PURGING PARAMETERS

Time Start/Stop	Purge Rate	Temp °C	pH	ORP (mV)	Cond (ms/cm)	Turbidity	DO (mg/L)
1010	300	28.09	6.75	-101	0.959	366	2.64
1012		28.07	7.67	-87	1.04	155	2.72
1014		28.64	7.57	-32	1.11	133	2.77
1016		28.92	7.55	-22	1.13	97.4	2.74
1018		28.76	7.51	-34	1.17	61.7	2.82
1020		29.06	7.51	-36	1.17	44.7	2.78
1022		29.06	7.52	-32	1.18	32.2	2.84
	.2-.5 L/min		± 0.1 units	± 10 mV	± 3%	≤ 10 NTUs	± 0.3 mg/L

Sample No.	Quantity	Volume	Type	Preservative		Analysis	
MW 10B	3	40-ml	VOA	ICE	HCl	8260B	

Sample Time: 1024 Samplers Signature:

Comments: _____

Leymaster Environmental Consulting, LLC

WELL SAMPLE DATA LOG

PROJECT: ANCO (417 W. 164th St, Carson, CA) DATE: 11/14/18 SAMPLER: MD

WELL DATA

WELL NUMBER: MW-10C	SCREEN INTERVAL: 75' - 90'
DEPTH TO WATER: 46.03	TOTAL DEPTH:
DTW June 2018: 46.11'	PUMP SET AT: 82'

WELL PURGING DATA

PURGING METHOD: LOW FLOW dedicated pump	VOLUME OF WATER PURGED:
TIME STARTED: 1103	TIME COMPLETED: 1200
EQUIPMENT USED: Horiba U-52 (No. N-w); Solinst Interface Probe (No. 00365670)	

WELL PURGING PARAMETERS

Time Start/Stop	Purge Rate	Temp °C	pH	ORP (mV)	Cond (ms/cm)	Turbidity	DO (mg/L)
1112	300	28.34	7.46	40	1.59	139	2.30
1114		28.63	7.46	45	1.59	88.9	2.04
1116		28.92	7.47	47	1.58	85.3	1.93
1118		29.16	7.50	48	1.58	89.9	1.82
1120		29.40	7.52	49	1.58	86.1	1.71
1122		29.65	7.55	48	1.58	93.2	1.61
	.2-5 L/min		± 0.1 units	± 10 mV	± 3%	≤ 10 NTUs	± 0.3 mg/L

Sample No.	Quantity	Volume	Type	Preservative		Analysis	
MW-10C	3	40-ml	VOA	ICE	HCl	8260B	

Sample Time: 1132 Samplers Signature:

Comments: _____

Leymaster Environmental Consulting, LLC

WELL SAMPLE DATA LOG

PROJECT: ANCO (417 W. 164th St, Carson, CA) DATE: 11/21/18 SAMPLER: MD

WELL DATA

WELL NUMBER: MW-11A 5	SCREEN INTERVAL: 40' - 45'
DEPTH TO WATER: 43.11	TOTAL DEPTH:
DTW June 2018: 42.92'	PUMP SET AT: 43' (may need to lower for sampling)

WELL PURGING DATA

PURGING METHOD: LOW FLOW dedicated pump	VOLUME OF WATER PURGED: 300d
TIME STARTED: 1133	TIME COMPLETED: 1145
EQUIPMENT USED: Horiba U-52 (No. New); Solinst Interface Probe (No. 003656m)	

WELL PURGING PARAMETERS

Time Start/Stop	Purge Rate	Temp °C	pH	ORP (mV)	Cond (ms/cm)	Turbidity	DO (mg/L)
	300		No Water				
	.2-5 L/min		± 0.1 units	± 10 mV	± 3%	≤ 10 NTUs	± 0.3 mg/L

Sample No.	Quantity	Volume	Type	Preservative	Analysis
	3	40-ml	VOA	ICE HCl	8260B

Sample Time: _____ Samplers Signature: *[Signature]*

Comments: Water level is too low for testing

Leymaster Environmental Consulting, LLC

WELL SAMPLE DATA LOG

PROJECT: ANCO (417 W. 164th St, Carson, CA) DATE: 11/12/18 SAMPLER: MD

WELL DATA

WELL NUMBER: MW-12C	SCREEN INTERVAL: 80' - 85'
DEPTH TO WATER: 46.37	TOTAL DEPTH:
DTW June 2018: 46.27'	PUMP SET AT: 83'

WELL PURGING DATA

PURGING METHOD: LOW FLOW dedicated pump	VOLUME OF WATER PURGED: 3000
TIME STARTED: 1111	TIME COMPLETED: 113
EQUIPMENT USED: Horiba U-52 (No. New); Solinst Interface Probe (No. 003656-1)	

WELL PURGING PARAMETERS

Time Start/Stop	Purge Rate	Temp °C	pH	ORP (mV)	Cond (ms/cm)	Turbidity	DO (mg/L)
1116	300	29.16	9.30	-382	1.49	85.9	1.02
1118		28.88	8.51	-340	1.49	82.7	0.73
1120		29.48	6.97	-241	1.52	72.9	0.44
1122		29.92	6.74	-227	1.52	69.8	0.42
1124		30.54	6.68	-215	1.52	50.5	0.40
1126		30.77	6.68	-220	1.52	48.5	0.43
	.2-5 L/min		± 0.1 units	± 10 mV	± 3%	≤ 10 NTUs	± 0.3 mg/L

Sample No.	Quantity	Volume	Type	Preservative	Analysis
	3	40-ml	VOA	ICE HCl	8260B

Sample Time: 1128 Samplers Signature:

Comments: _____

Leymaster Environmental Consulting, LLC

WELL SAMPLE DATA LOG

PROJECT: ANCO (417 W. 164th St, Carson, CA) DATE: 11/12/18 SAMPLER: MD

WELL DATA

WELL NUMBER: MW-12D	SCREEN INTERVAL: 111' - 116'
DEPTH TO WATER: 50.33	TOTAL DEPTH:
DTW June 2018: 50.59'	PUMP SET AT: 114'

WELL PURGING DATA

PURGING METHOD: LOW FLOW dedicated pump	VOLUME OF WATER PURGED: 3000
TIME STARTED: 1029	TIME COMPLETED: 1109
EQUIPMENT USED: Horiba U-52 (No. New); Solinst Interface Probe (No. 00365671)	

WELL PURGING PARAMETERS

Time Start/Stop	Purge Rate	Temp °C	pH	ORP (mV)	Cond (ms/cm)	Turbidity	DO (mg/L)
1034	300	27.90	5.56	-187	1.28	0.7	3.32
1036		28.17	5.41	-193	1.27	0.6	1.98
1038		28.06	5.40	-191	1.26	0.0	1.27
1040		28.41	5.43	-195	1.25	9.8	0.83
1042		28.74	5.58	-205	1.26	32.7	0.72
1044		30.2	5.64	-201	1.26	34.7	0.62
	.2-.5 L/min		± 0.1 units	± 10 mV	± 3%	≤ 10 NTUs	± 0.3 mg/L

Sample No.	Quantity	Volume	Type	Preservative	Analysis
	3	40-ml	VOA	ICE HCl	8260B

Sample Time: 1058 Samplers Signature: 

Comments: Bad pump

Leymaster Environmental Consulting, LLC

WELL SAMPLE DATA LOG

PROJECT: ANCO (417 W. 164th St, Carson, CA) DATE: 11/15/18 SAMPLER: MD

WELL DATA

WELL NUMBER: MW-13A	SCREEN INTERVAL: 40' - 45'
DEPTH TO WATER: <u>43.52</u>	TOTAL DEPTH:
DTW June 2018: 43.19'	PUMP SET AT: 43' (may need to lower for sampling)

WELL PURGING DATA

PURGING METHOD: LOW FLOW dedicated pump	VOLUME OF WATER PURGED:
TIME STARTED: <u>1152</u>	TIME COMPLETED:
EQUIPMENT USED: Horiba U-52 (No. <u>New</u>); Solinst Interface Probe (No. <u>003656-1</u>)	

WELL PURGING PARAMETERS

Time Start/Stop	Purge Rate	Temp °C	pH	ORP (mV)	Cond (ms/cm)	Turbidity	DO (mg/L)
	<u>300</u>	<u>No water</u>					
	.2-.5 L/min		± 0.1 units	± 10 mV	± 3%	≤ 10 NTUs	± 0.3 mg/L

Sample No.	Quantity	Volume	Type	Preservative	Analysis
	<u>3</u>	<u>40-ml</u>	<u>VOA</u>	<u>ICE</u> <u>HCl</u>	<u>8260B</u>

Sample Time: _____ Samplers Signature: [Signature]

Comments: well is too low for samples

Leymaster Environmental Consulting, LLC

WELL SAMPLE DATA LOG

PROJECT: ANCO (417 W. 164th St, Carson, CA) DATE: 11/15/18 SAMPLER: mD

WELL DATA

WELL NUMBER: MW-14C <u>5</u>	SCREEN INTERVAL: 80' - 85'
DEPTH TO WATER: <u>46.13</u>	TOTAL DEPTH:
DTW June 2018: 46.70'	PUMP SET AT: 83'

WELL PURGING DATA

PURGING METHOD: LOW FLOW dedicated pump	VOLUME OF WATER PURGED:
TIME STARTED: <u>1007</u>	TIME COMPLETED: <u>1027</u>
EQUIPMENT USED: Horiba U-52 (No. <u>New</u>); Solinst Interface Probe (No. <u>003656-2</u>)	

WELL PURGING PARAMETERS

Time Start/Stop	Purge Rate	Temp °C	pH	ORP (mV)	Cond (ms/cm)	Turbidity	DO (mg/L)
1010	300	26.42	6.39	-227	0.469	53.4	3.15
1012		26.44	7.46	-273	0.469	21.3	2.02
1014		26.56	7.85	-281	0.468	15.1	1.40
1016		26.73	8.37	-294	0.470	10.7	1.05
1018		27.05	8.64	-295	0.472	6.7	0.84
1020		27.32	8.74	-290	0.473	3.6	0.70
1022		27.58	8.83	-288	0.474	1.9	0.61
	.2-5 L/min		± 0.1 units	± 10 mV	± 3%	≤ 10 NTUs	± 0.3 mg/L

Sample No.	Quantity	Volume	Type	Preservative		Analysis	
	3	40-ml	VOA	ICE	HCl	8260B	

Sample Time: 1024 Samplers Signature: [Signature]

Comments: _____

Leymaster Environmental Consulting, LLC

WELL SAMPLE DATA LOG

PROJECT: ANCO (417 W. 164th St, Carson, CA) DATE: 11/15/18 SAMPLER: M.D

WELL DATA

WELL NUMBER: MW-14D	SCREEN INTERVAL: 111' - 116'
DEPTH TO WATER: 51.36	TOTAL DEPTH:
DTW June 2018: 51.62'	PUMP SET AT: 114'

WELL PURGING DATA

PURGING METHOD: LOW FLOW dedicated pump	VOLUME OF WATER PURGED:
TIME STARTED: 10:29	TIME COMPLETED: 11:20
EQUIPMENT USED: Horiba U-52 (No. New); Solinst Interface Probe (No. 003656-1)	

WELL PURGING PARAMETERS

Time Start/Stop	Purge Rate	Temp °C	pH	ORP (mV)	Cond (ms/cm)	Turbidity	DO (mg/L)
1056	300	33.40	8.31	-280	0.460	422	5.51
1058		33.21	8.38	-284	0.469	454	5.37
1100		33.06	8.44	-284	0.476	248	5.25
1102		33.03	8.51	-288	0.481	243	5.03
1104		33.04	8.57	-294	0.479	296	3.16
1106		32.98	8.57	305	0.466	294	3.04
	2-5 L/min		± 0.1 units	± 10 mV	± 3%	≤ 10 NTUs	± 0.3 mg/L

Sample No.	Quantity	Volume	Type	Preservative		Analysis
MW-14D	3	40-ml	VOA	ICE	HCl	8260B

Sample Time: 1108
 Samplers Signature: 
 Comments: Bad Pump

Leymaster Environmental Consulting, LLC

WELL SAMPLE DATA LOG

PROJECT: ANCO (417 W. 164th St, Carson, CA) DATE: 11/14/18 SAMPLER: MD

WELL DATA

WELL NUMBER: MW-16C	SCREEN INTERVAL: 80' - 85'
DEPTH TO WATER: 48.64	TOTAL DEPTH:
DTW June 2018: 48.66'	PUMP SET AT: 82'

WELL PURGING DATA

PURGING METHOD: LOW FLOW dedicated pump	VOLUME OF WATER PURGED:
TIME STARTED: 0841	TIME COMPLETED: 930
EQUIPMENT USED: Horiba U-52 (No. New); Solinst Interface Probe (No. 00365671)	

WELL PURGING PARAMETERS

Time Start/Stop	Purge Rate	Temp °C	pH	ORP (mV)	Cond (ms/cm)	Turbidity	DO (mg/L)
850	300	26.60	7.62	106	1.50	15.1	1.16
852		26.93	7.51	100	1.54	28.5	0.79
854		27.14	7.50	92	1.57	57.9	0.65
856		27.35	7.51	82	1.58	20.5	0.56
858		27.54	7.50	71	1.60	58.9	0.46
900		27.60	7.49	66	1.61	58.0	0.44
902		27.71	7.44	56	1.61	50.6	0.40
904		27.84	7.41	50	1.62	46.9	0.36
	.2-.5 L/min		± 0.1 units	± 10 mV	± 3%	≤ 10 NTUs	± 0.3 mg/L

Sample No.	Quantity	Volume	Type	Preservative	Analysis
MW-16C	3	40-ml	VOA	ICE HCl	8260B

Sample Time: 906 Samplers Signature: 

Comments: _____

Leymaster Environmental Consulting, LLC

WELL SAMPLE DATA LOG

PROJECT: ANCO (417 W. 164th St, Carson, CA) DATE: 11/9/18 SAMPLER: MD

WELL DATA

WELL NUMBER: MW-17A	SCREEN INTERVAL: 35' - 65'
DEPTH TO WATER: 41.00	TOTAL DEPTH:
DTW June 2018: 40.81'	PUMP SET AT: 58'

WELL PURGING DATA

PURGING METHOD: LOW FLOW dedicated pump	VOLUME OF WATER PURGED: 3000
TIME STARTED: 8:00	TIME COMPLETED: 8:48
EQUIPMENT USED: Horiba U-52 (No. New); Solinst Interface Probe (No. 003650)	

WELL PURGING PARAMETERS

Time Start/Stop	Purge Rate	Temp °C	pH	ORP (mV)	Cond (ms/cm)	Turbidity	DO (mg/L)
8:34	300	25.50	5.53	20	1.88	92.5	3.22
8:36		25.69	5.79	38	1.86	72.0	3.27
8:38		26.00	6.01	49	1.84	12.1	3.21
8:40		26.18	6.10	48	1.84	11.5	3.12
8:42		26.51	6.14	50	1.83	13.4	3.01
8:44		26.63	6.14	50	1.83	14.0	2.96
	.2-.5 L/min		± 0.1 units	± 10 mV	± 3%	≤ 10 NTUs	± 0.3 mg/L

Sample No.	Quantity	Volume	Type	Preservative		Analysis
MW-17A	3	40-ml	VOA	ICE	HCl	8260B

Sample Time: 0846 Samplers Signature:

Comments: _____

Leymaster Environmental Consulting, LLC

WELL SAMPLE DATA LOG

PROJECT: ANCO (417 W. 164th St, Carson, CA) DATE: 11/9/19 SAMPLER: MWJ

WELL DATA

WELL NUMBER: MW-17D	SCREEN INTERVAL: 110' - 120'
DEPTH TO WATER: 49.14	TOTAL DEPTH:
DTW June 2018: 49.53'	PUMP SET AT: 115'

WELL PURGING DATA

PURGING METHOD: LOW FLOW dedicated pump	VOLUME OF WATER PURGED: 3000
TIME STARTED: 9:18	TIME COMPLETED: 09:43
EQUIPMENT USED: Horiba U-52 (No. New); Solinst Interface Probe (No. 003650)	

WELL PURGING PARAMETERS

Time Start/Stop	Purge Rate	Temp °C	pH	ORP (mV)	Cond (ms/cm)	Turbidity	DO (mg/L)
9:24	300	27.44	6.64	-306	1.42	135	0.48
9:26		26.97	6.55	-288	1.44	73.7	0.44
9:28		27.02	6.73	-280	1.44	58.9	0.39
9:30		27.66	6.83	-275	1.44	58.1	0.36
9:32		27.03	6.86	-274	1.45	59.2	0.44
9:34		27.99	6.88	-274	1.45	59.6	0.41
	.2-.5 L/min		± 0.1 units	± 10 mV	± 3%	≤ 10 NTUs	± 0.3 mg/L

Sample No.	Quantity	Volume	Type	Preservative	Analysis
	3	40-ml	VOA	ICE HCl	8260B

Sample Time: 09:36

Samplers Signature: 

Comments: _____

Leymaster Environmental Consulting, LLC

WELL SAMPLE DATA LOG

PROJECT: ANCO (417 W. 164th St, Carson, CA) DATE: 11/9/18 SAMPLER: MW

WELL DATA

WELL NUMBER: MW-17C	SCREEN INTERVAL: 73' - 78'
DEPTH TO WATER: 41.51	TOTAL DEPTH:
DTW June 2018: 41.40'	PUMP SET AT: 75'

WELL PURGING DATA

PURGING METHOD: LOW FLOW dedicated pump	VOLUME OF WATER PURGED: 3000
TIME STARTED: 0850	TIME COMPLETED: 0915
EQUIPMENT USED: Horiba U-52 (No. New); Solinst Interface Probe (No. 3650)	

WELL PURGING PARAMETERS

Time Start/Stop	Purge Rate	Temp °C	pH	ORP (mV)	Cond (ms/cm)	Turbidity	DO (mg/L)
858	300	26.65	5.10	-204	1.87	219	0.82
900		27.38	6.50	-263	1.88	1000	0.64
902		27.46	6.43	-264	1.88	1000	0.63
904		27.62	6.36	-271	1.88	997	0.66
906		27.93	6.33	-278	1.87	1000	0.61
908		28.05	6.33	-276	1.86	1000	0.58
	.2-.5 L/min		± 0.1 units	± 10 mV	± 3%	≤ 10 NTUs	± 0.3 mg/L

Sample No.	Quantity	Volume	Type	Preservative		Analysis
MW-17C	3	40-ml	VOA	ICE	HCl	8260B

Sample Time: 0910 Samplers Signature: 

Comments: _____

Leymaster Environmental Consulting, LLC

WELL SAMPLE DATA LOG

PROJECT: ANCO (417 W. 164th St, Carson, CA) DATE: 11/9/18 SAMPLER: MD

WELL DATA

WELL NUMBER: MW-18A	SCREEN INTERVAL: 34' - 64'
DEPTH TO WATER: 42.91	TOTAL DEPTH:
DTW June 2018: 42.75'	PUMP SET AT: 57'

WELL PURGING DATA

PURGING METHOD: LOW FLOW dedicated pump	VOLUME OF WATER PURGED: 3000
TIME STARTED: 1018	TIME COMPLETED: 1039
EQUIPMENT USED: Horiba U-52 (No. New); Solinst Interface Probe (No. 003656)	

WELL PURGING PARAMETERS

Time Start/Stop	Purge Rate	Temp °C	pH	ORP (mV)	Cond (ms/cm)	Turbidity	DO (mg/L)
1024	300	27.09	8.68	-140	1.88	15.8	1.08
1026	/	27.35	8.58	-140	1.88	14.4	0.67
1028		27.48	8.56	-142	1.88	15.8	0.56
1030		27.74	8.54	-146	1.88	18.0	0.49
1032		27.94	8.53	-152	1.88	19.0	0.44
1034		28.15	8.49	-153	1.88	20.5	0.42
	.2-.5 L/min		± 0.1 units	± 10 mV	± 3%	≤ 10 NTUs	± 0.3 mg/L

Sample No.	Quantity	Volume	Type	Preservative		Analysis	
MW-18A	3	40-ml	VOA	ICE	HCl	8260B	

Sample Time: 1036 Samplers Signature: [Signature]

Comments:

Leymaster Environmental Consulting, LLC

WELL SAMPLE DATA LOG

PROJECT: ANCO (417 W. 164th St, Carson, CA) DATE: 11/9/18 SAMPLER: MD

WELL DATA

WELL NUMBER: MW-18D	SCREEN INTERVAL: 110' - 120'
DEPTH TO WATER: <u>49.50</u>	TOTAL DEPTH:
DTW June 2018: 49.78'	PUMP SET AT: 115'

WELL PURGING DATA

PURGING METHOD: LOW FLOW dedicated pump	VOLUME OF WATER PURGED: <u>3000</u>
TIME STARTED: <u>1112</u>	TIME COMPLETED: <u>1136</u>
EQUIPMENT USED: Horiba U-52 (No. <u>NRW</u>); Solinst Interface Probe (No. <u>003656</u>)	

WELL PURGING PARAMETERS

Time Start/Stop	Purge Rate	Temp °C	pH	ORP (mV)	Cond (ms/cm)	Turbidity	DO (mg/L)
<u>1116</u>	<u>300</u>	<u>26.63</u>	<u>5.66</u>	<u>-236</u>	<u>1.66</u>	<u>23.8</u>	<u>2.86</u>
<u>1118</u>		<u>26.52</u>	<u>5.46</u>	<u>-227</u>	<u>1.65</u>	<u>25.2</u>	<u>2.77</u>
<u>1120</u>		<u>26.55</u>	<u>5.29</u>	<u>-217</u>	<u>1.65</u>	<u>25.6</u>	<u>2.65</u>
<u>1122</u>		<u>26.78</u>	<u>5.38</u>	<u>-219</u>	<u>1.66</u>	<u>23.1</u>	<u>2.51</u>
<u>1124</u>		<u>26.98</u>	<u>5.68</u>	<u>-228</u>	<u>1.68</u>	<u>21.6</u>	<u>2.41</u>
<u>1126</u>		<u>27.23</u>	<u>5.69</u>	<u>230</u>	<u>1.68</u>	<u>18.5</u>	<u>2.35</u>
	<u>.2-5 L/min</u>		<u>± 0.1 units</u>	<u>± 10 mV</u>	<u>± 3%</u>	<u>≤ 10 NTUs</u>	<u>±0.3 mg/L</u>

Sample No.	Quantity	Volume	Type	Preservative		Analysis	
<u>MW-18D</u>	<u>3</u>	<u>40-ml</u>	<u>VOA</u>	<u>ICE</u>	<u>HCl</u>	<u>8260B</u>	

Sample Time: 1128 Samplers Signature: [Signature]

Comments: _____

Leymaster Environmental Consulting, LLC

WELL SAMPLE DATA LOG

PROJECT: ANCO (417 W. 164th St, Carson, CA) DATE: 11/12/18 SAMPLER: MD

WELL DATA

WELL NUMBER: OW-4A	SCREEN INTERVAL: 25' - 50'
DEPTH TO WATER: 42.71	TOTAL DEPTH:
DTW June 2018: 42.43'	PUMP SET AT: 40' (may need to lower for sampling)

WELL PURGING DATA

PURGING METHOD: LOW FLOW dedicated pump	VOLUME OF WATER PURGED: 3000
TIME STARTED: 0817	TIME COMPLETED: 0848
EQUIPMENT USED: Horiba U-52 (No. New); Solinst Interface Probe (No. 003650-1)	

WELL PURGING PARAMETERS

Time Start/Stop	Purge Rate	Temp °C	pH	ORP (mV)	Cond (ms/cm)	Turbidity	DO (mg/L)
824	300	25.57	7.10	-44	1.76	117	1.95
826		25.80	6.79	3	1.78	67.7	2.03
828		26.37	6.77	17	1.79	48.5	2.12
830		27.06	6.76	25	1.80	32.8	2.07
832		27.40	6.76	32	1.80	15.5	2.03
834		28.37	6.74	38	1.80	5.3	2.00
836		30.02	6.72	50	1.80	3.3	1.97
838		30.24	6.71	53	1.80	2.6	2.02
	.2-.5 L/min		± 0.1 units	± 10 mV	± 3%	≤ 10 NTUs	± 0.3 mg/L

Sample No.	Quantity	Volume	Type	Preservative	Analysis
OW-4A	3	40-ml	VOA	ICE HCl	8260B

Sample Time: 840 Samplers Signature: 

Comments: _____

Leymaster Environmental Consulting, LLC

WELL SAMPLE DATA LOG

PROJECT: ANCO (417 W. 164th St, Carson, CA) DATE: 11/12/19 SAMPLER: MD

WELL DATA

WELL NUMBER: OW-4B	SCREEN INTERVAL: 55' - 70'
DEPTH TO WATER: 43.02	TOTAL DEPTH:
DTW June 2018: 42.78'	PUMP SET AT: 62'

WELL PURGING DATA

PURGING METHOD: LOW FLOW dedicated pump	VOLUME OF WATER PURGED: 3000
TIME STARTED: 0852	TIME COMPLETED:
EQUIPMENT USED: Horiba U-52 (No. New); Solinst Interface Probe (No. 00365691)	

WELL PURGING PARAMETERS

Time Start/Stop	Purge Rate	Temp °C	pH	ORP (mV)	Cond (ms/cm)	Turbidity	DO (mg/L)
854	300	25.32	7.65	-54	1.70	128	1.95
856		25.20	6.77	4	1.71	136	1.64
858		25.12	6.62	22	1.72	125	1.62
900		25.52	6.59	40	1.70	79.9	1.52
902		25.72	6.58	46	1.69	58.7	1.51
904		25.98	6.56	53	1.67	38.6	1.39
	.2-.5 L/min		± 0.1 units	± 10 mV	± 3%	≤ 10 NTUs	± 0.3 mg/L

Sample No.	Quantity	Volume	Type	Preservative	Analysis
	3	40-ml	VOA	ICE HCl	8260B

Sample Time: 0906 Samplers Signature: 

Comments: _____

Leymaster Environmental Consulting, LLC

WELL SAMPLE DATA LOG

PROJECT: ANCO (417 W. 164th St, Carson, CA) DATE: 11/12/18 SAMPLER: MD

WELL DATA

WELL NUMBER: OW-4C	SCREEN INTERVAL: 75' - 90'
DEPTH TO WATER: 47.59	TOTAL DEPTH:
DTW June 2018: 47.73'	PUMP SET AT: 82'

WELL PURGING DATA

PURGING METHOD: LOW FLOW dedicated pump	VOLUME OF WATER PURGED: 3000
TIME STARTED: 0913	TIME COMPLETED: 0935
EQUIPMENT USED: Horiba U-52 (No. New); Solinst Interface Probe (No. 003656)-1	

WELL PURGING PARAMETERS

Time Start/Stop	Purge Rate	Temp °C	pH	ORP (mV)	Cond (ms/cm)	Turbidity	DO (mg/L)
0916	300	26.03	6.87	64	1.50	40.1	0.90
0918	}	26.13	6.80	71	1.50	32.4	0.95
0920		26.10	6.78	74	1.50	30.6	1.12
0922		26.10	6.77	74	1.50	28.8	1.20
0924		26.09	6.76	75	1.50	27.0	1.30
0926		26.03	6.73	77	1.50	26.1	1.30
	.2-.5 L/min		± 0.1 units	± 10 mV	± 3%	≤ 10 NTUs	± 0.3 mg/L

Sample No.	Quantity	Volume	Type	Preservative		Analysis
	3	40-ml	VOA	ICE	HCl	8260B

Sample Time: 0928 Samplers Signature: *[Signature]*

Comments: _____

Leymaster Environmental Consulting, LLC

WELL SAMPLE DATA LOG

PROJECT: ANCO (417 W. 164th St, Carson, CA) DATE: 1/12/18 SAMPLER: MD

WELL DATA

WELL NUMBER: OW-4D	SCREEN INTERVAL: 110' - 120'
DEPTH TO WATER: 50.87	TOTAL DEPTH:
DTW June 2018: 51.32'	PUMP SET AT: 115'

WELL PURGING DATA

PURGING METHOD: LOW FLOW dedicated pump	VOLUME OF WATER PURGED: 3000
TIME STARTED: 0725	TIME COMPLETED: 0753
EQUIPMENT USED: Horiba U-52 (No. New); Solinst Interface Probe (No. 03656-1)	

WELL PURGING PARAMETERS

Time Start/Stop	Purge Rate	Temp °C	pH	ORP (mV)	Cond (ms/cm)	Turbidity	DO (mg/L)
0732	300	22.39	2.43	1	1.49	113	1.47
0734		21.49	2.33	-2	1.50	106	1.37
0736		21.91	2.31	-8	1.49	101	1.25
0738		21.68	2.39	-20	1.47	76.9	1.18
0740		21.42	2.54	-33	1.45	34.7	1.13
0742		21.50	2.63	-33	1.51	24.6	0.82
0744		24.08	3.04	-42	1.49	63.7	0.69
0746		25.14	3.49	-68	1.43	43.7	0.62
0748		25.55	3.92	-98	1.39	30.4	0.53
	.2-.5 L/min		± 0.1 units	± 10 mV	± 3%	≤ 10 NTUs	± 0.3 mg/L

Sample No.	Quantity	Volume	Type	Preservative	Analysis
ow-4D	3	40-ml	VOA	ICE HCl	8260B

Sample Time: 0750

Samplers Signature: *[Signature]*

Comments: _____

ATTACHMENT III

**Laboratory Report of Analytical Results
and Chain-of-Custody Records**

Groundwater Monitoring Wells

Second Half 2018

November 14, 2018

Leymaster Environmental Consulting, LLC

5500 E. Atherton Street, Suite 210

Long Beach, CA 90815

Re: ANCO 417 W. 164th St.

Project No. : 417 W. 164th St.

Work Order: P811006

Dear Charles Lindeman

Enclosed are the results of analyses for samples received by our laboratory on 11/9/2018. The contents of this report apply to the sample(s) analyzed in accordance with the chain-of-custody document supplied with the sample(s).

No duplication of this report is allowed, except in its entirety. Please do not hesitate to call if you have any questions and thank you very much for using Performance Analytical Laboratories for your analytical needs.

Regards,



Marycarol Valenzuela
Project Manager

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Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Samples in this Report

Lab ID	Sample	Qualifier	Matrix	Date Sampled	Date Received
P811006-01	MW- 18D		Water	11/09/2018	11/09/2018
P811006-02	MW- 18A		Water	11/09/2018	11/09/2018
P811006-03	MW- 18C		Water	11/09/2018	11/09/2018
P811006-04	MW-17D		Water	11/09/2018	11/09/2018
P811006-05	MW-17A		Water	11/09/2018	11/09/2018
P811006-06	MW-17C		Water	11/09/2018	11/09/2018

Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW- 18D

P811006-01 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013)							
Acetone	35.2	µg/L	1	20.0	11/12/2018	EPA 8260B	
Acetonitrile	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Benzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromoform	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromomethane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	10.4	µg/L	1	5.00	11/12/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Chloroethane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Chloroform	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Chloromethane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Chloroprene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Dibromomethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1-Dichloroethene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
c-1,2-Dichloroethene	11.3	µg/L	1	1.00	11/12/2018	EPA 8260B	

Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW- 18D (Continued)

P811006-01 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
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Volatile Organic Compounds (Batch ID: B8K0013) (Continued)

c-1,3-Dichloropropene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
t-1,2-Dichloroethene	1.12	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
2-Hexanone	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	7.87	µg/L	1	1.00	11/12/2018	EPA 8260B	
Naphthalene	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Propionitrile	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Styrene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	1	25.0	11/12/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tetrachloroethene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Toluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW- 18D (Continued)

P811006-01 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013) (Continued)							
1,2,4-Trichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,1-Trichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Trichloroethene	34.6	µg/L	1	1.00	11/12/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
o-Xylene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	1	2.00	11/12/2018	EPA 8260B	
Total Xylenes	ND	µg/L	1	3.00	11/12/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
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Surrogate: Dibromofluoromethane	92.8%			60-140	11/12/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	95.2%			60-140	11/12/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	103%			60-140	11/12/2018	EPA 8260B	
Surrogate: Toluene-d8	90.2%			60-140	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW- 18A

P811006-02 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
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Volatile Organic Compounds (Batch ID: B8K0013)

Acetone	55.0	µg/L	1	20.0	11/12/2018	EPA 8260B	
Acetonitrile	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Benzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromoform	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromomethane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	15.0	µg/L	1	5.00	11/12/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Chloroethane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Chloroform	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Chloromethane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Chloroprene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Dibromomethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1-Dichloroethene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
c-1,2-Dichloroethene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW- 18A (Continued)

P811006-02 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013) (Continued)							
c-1,3-Dichloropropene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
t-1,2-Dichloroethene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
2-Hexanone	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Naphthalene	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Propionitrile	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Styrene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	1	25.0	11/12/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tetrachloroethene	42.2	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Toluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW- 18A (Continued)

P811006-02 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013) (Continued)							
1,1,1-Trichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Trichloroethene	104	µg/L	1	1.00	11/12/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
o-Xylene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	1	2.00	11/12/2018	EPA 8260B	
Total Xylenes	ND	µg/L	1	3.00	11/12/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
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Surrogate: Dibromofluoromethane	93.8%			60-140	11/12/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	94.1%			60-140	11/12/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	105%			60-140	11/12/2018	EPA 8260B	
Surrogate: Toluene-d8	92.2%			60-140	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW- 18C

P811006-03 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013)							
Acetone	ND	µg/L	10	200	11/12/2018	EPA 8260B	
Acetonitrile	ND	µg/L	10	200	11/12/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	10	50.0	11/12/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
Benzene	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
Bromobenzene	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
Bromoform	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
Bromomethane	ND	µg/L	10	50.0	11/12/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	ND	µg/L	10	50.0	11/12/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
Chloroethane	ND	µg/L	10	50.0	11/12/2018	EPA 8260B	
Chloroform	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
Chloromethane	ND	µg/L	10	50.0	11/12/2018	EPA 8260B	
Chloroprene	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	10	50.0	11/12/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
Dibromomethane	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
1,1-Dichloroethene	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
c-1,2-Dichloroethene	16.6	µg/L	10	10.0	11/12/2018	EPA 8260B	
c-1,3-Dichloropropene	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW- 18C (Continued)

P811006-03 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013) (Continued)							
t-1,2-Dichloroethene	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	10	50.0	11/12/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	10	50.0	11/12/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
2-Hexanone	ND	µg/L	10	50.0	11/12/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	10	50.0	11/12/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	10	200	11/12/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
Naphthalene	ND	µg/L	10	50.0	11/12/2018	EPA 8260B	
Propionitrile	ND	µg/L	10	50.0	11/12/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
Styrene	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	10	250	11/12/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
Tetrachloroethene	138	µg/L	10	10.0	11/12/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	10	200	11/12/2018	EPA 8260B	
Toluene	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
1,1,1-Trichloroethane	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW- 18C (Continued)

P811006-03 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013) (Continued)							
1,1,2-Trichloroethane	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
Trichloroethene	831	µg/L	10	10.0	11/12/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
o-Xylene	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	10	20.0	11/12/2018	EPA 8260B	
Total Xylenes	ND	µg/L	10	30.0	11/12/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	10	10.0	11/12/2018	EPA 8260B	
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Surrogate: Dibromofluoromethane	93.7%			60-140	11/12/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	94.9%			60-140	11/12/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	105%			60-140	11/12/2018	EPA 8260B	
Surrogate: Toluene-d8	91.4%			60-140	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-17D

P811006-04 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013)							
Acetone	89.1	µg/L	1	20.0	11/12/2018	EPA 8260B	
Acetonitrile	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Benzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromoform	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromomethane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	29.5	µg/L	1	5.00	11/12/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Chloroethane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Chloroform	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Chloromethane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Chloroprene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Dibromomethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1-Dichloroethene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
c-1,2-Dichloroethene	5.68	µg/L	1	1.00	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-17D (Continued)

P811006-04 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013) (Continued)							
c-1,3-Dichloropropene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
t-1,2-Dichloroethene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
2-Hexanone	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Naphthalene	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Propionitrile	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Styrene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	1	25.0	11/12/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tetrachloroethene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tetrahydrofuran	23.5	µg/L	1	20.0	11/12/2018	EPA 8260B	
Toluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-17D (Continued)

P811006-04 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013) (Continued)							
1,1,1-Trichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Trichloroethene	18.0	µg/L	1	1.00	11/12/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
o-Xylene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	1	2.00	11/12/2018	EPA 8260B	
Total Xylenes	ND	µg/L	1	3.00	11/12/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
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Surrogate: Dibromofluoromethane	92.1%			60-140	11/12/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	96.2%			60-140	11/12/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	102%			60-140	11/12/2018	EPA 8260B	
Surrogate: Toluene-d8	90.3%			60-140	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-17A

P811006-05 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0014)							
Acetone	55.5	µg/L	2	40.0	11/13/2018	EPA 8260B	
Acetonitrile	ND	µg/L	2	40.0	11/13/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Benzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Bromobenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Bromoform	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Bromomethane	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	17.6	µg/L	2	10.0	11/13/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Chloroethane	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Chloroform	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Chloromethane	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Chloroprene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Dibromomethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,1-Dichloroethene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
c-1,2-Dichloroethene	8.10	µg/L	2	2.00	11/13/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-17A (Continued)

P811006-05 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0014) (Continued)							
c-1,3-Dichloropropene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
t-1,2-Dichloroethene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
2-Hexanone	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	2	40.0	11/13/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Naphthalene	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Propionitrile	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Styrene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	2	50.0	11/13/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,1,1,2,2-Tetrachloroethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Tetrachloroethene	146	µg/L	2	2.00	11/13/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	2	40.0	11/13/2018	EPA 8260B	
Toluene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-17A (Continued)

P811006-05 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0014) (Continued)							
1,1,1-Trichloroethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Trichloroethene	151	µg/L	2	2.00	11/13/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
o-Xylene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	2	4.00	11/13/2018	EPA 8260B	
Total Xylenes	ND	µg/L	2	6.00	11/13/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
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Surrogate: Dibromofluoromethane	98.0%			60-140	11/13/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	98.6%			60-140	11/13/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	99.9%			60-140	11/13/2018	EPA 8260B	
Surrogate: Toluene-d8	99.9%			60-140	11/13/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-17C

P811006-06 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013)							
Acetone	72.9	µg/L	1	20.0	11/12/2018	EPA 8260B	
Acetonitrile	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Benzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromoform	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromomethane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	25.8	µg/L	1	5.00	11/12/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Chloroethane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Chloroform	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Chloromethane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Chloroprene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Dibromomethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1-Dichloroethene	1.57	µg/L	1	1.00	11/12/2018	EPA 8260B	
c-1,2-Dichloroethene	16.2	µg/L	1	1.00	11/12/2018	EPA 8260B	

Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-17C (Continued)

P811006-06 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013) (Continued)							
c-1,3-Dichloropropene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
t-1,2-Dichloroethene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
2-Hexanone	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Naphthalene	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Propionitrile	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Styrene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	1	25.0	11/12/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tetrachloroethene	75.5	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tetrahydrofuran	23.2	µg/L	1	20.0	11/12/2018	EPA 8260B	
Toluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-17C (Continued)

P811006-06 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
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Volatile Organic Compounds (Batch ID: B8K0013) (Continued)

1,2,4-Trichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,1-Trichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Trichloroethene	42.4	µg/L	1	1.00	11/12/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
o-Xylene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	1	2.00	11/12/2018	EPA 8260B	
Total Xylenes	ND	µg/L	1	3.00	11/12/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	

Surrogate: Dibromofluoromethane	93.6%			60-140	11/12/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	94.5%			60-140	11/12/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	105%			60-140	11/12/2018	EPA 8260B	
Surrogate: Toluene-d8	89.4%			60-140	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Quality Control

Volatile Organic Compounds

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: B8K0013

Blank (B8K0013-BLK1)

Prepared & Analyzed: 11/12/2018

Acetone	ND		20.0	µg/L						
Acetonitrile	ND		20.0	µg/L						
Acrylonitrile	ND		5.00	µg/L						
Allyl Chloride	ND		1.00	µg/L						
Benzene	ND		1.00	µg/L						
Bromobenzene	ND		1.00	µg/L						
Bromochloromethane	ND		1.00	µg/L						
Bromodichloromethane	ND		1.00	µg/L						
Bromoform	ND		1.00	µg/L						
Bromomethane	ND		5.00	µg/L						
2-Butanone (Methyl Ethyl Ketone - MEK)	ND		5.00	µg/L						
n-Butylbenzene	ND		1.00	µg/L						
Carbon Disulfide	ND		1.00	µg/L						
Carbon Tetrachloride	ND		1.00	µg/L						
Chlorobenzene	ND		1.00	µg/L						
Chloroethane	ND		5.00	µg/L						
Chloroform	ND		1.00	µg/L						
Chloromethane	ND		5.00	µg/L						
Chloroprene	ND		1.00	µg/L						
2-Chlorotoluene	ND		1.00	µg/L						
4-Chlorotoluene	ND		1.00	µg/L						
1,2-Dibromo-3-Chloropropane	ND		5.00	µg/L						
Dibromochloromethane	ND		1.00	µg/L						
1,2-Dibromoethane (EDB)	ND		1.00	µg/L						
Dibromomethane	ND		1.00	µg/L						
cis-1,4-dichloro-2-butene	ND		1.00	µg/L						
t-1,4-Dichloro-2-Butene	ND		1.00	µg/L						
1,2-Dichlorobenzene	ND		1.00	µg/L						
1,3-Dichlorobenzene	ND		1.00	µg/L						
1,4-Dichlorobenzene	ND		1.00	µg/L						
Dichlorodifluoromethane (Freon 12)	ND		1.00	µg/L						
1,1-Dichloroethane	ND		1.00	µg/L						
1,2-Dichloroethane	ND		1.00	µg/L						
1,1-Dichloroethene	ND		1.00	µg/L						
c-1,2-Dichloroethene	ND		1.00	µg/L						
c-1,3-Dichloropropene	ND		1.00	µg/L						
t-1,2-Dichloroethene	ND		1.00	µg/L						
1,2-Dichloropropane	ND		1.00	µg/L						
1,3-Dichloropropane	ND		1.00	µg/L						
2,2-Dichloropropane	ND		1.00	µg/L						
1,1-Dichloropropene	ND		1.00	µg/L						
t-1,3-Dichloropropene	ND		1.00	µg/L						
Diethyl Ether	ND		5.00	µg/L						
Diisopropyl Ether (DIPE)	ND		1.00	µg/L						
Ethylbenzene	ND		1.00	µg/L						

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: B8K0013 (Continued)

Blank (B8K0013-BLK1)

Prepared & Analyzed: 11/12/2018

Ethyl Methacrylate	ND		5.00	µg/L						
Ethyl-tert-butyl-ether (ETBE)	ND		1.00	µg/L						
Hexachloro-1,3-Butadiene	ND		1.00	µg/L						
2-Hexanone	ND		5.00	µg/L						
Isopropylbenzene	ND		1.00	µg/L						
p-Isopropyltoluene	ND		1.00	µg/L						
Methacrylonitrile	ND		1.00	µg/L						
Methylene Chloride	ND		5.00	µg/L						
Methyl Methacrylate	ND		1.00	µg/L						
4-Methyl-2-Pentanone	ND		20.0	µg/L						
Methyl-t-Butyl Ether (MTBE)	ND		1.00	µg/L						
Naphthalene	ND		5.00	µg/L						
Propionitrile	ND		5.00	µg/L						
n-Propylbenzene	ND		1.00	µg/L						
sec-Butylbenzene	ND		1.00	µg/L						
Styrene	ND		1.00	µg/L						
Tert-amyl-Methyl Ether (TAME)	ND		1.00	µg/L						
Tert-Butyl Alcohol (TBA)	ND		25.0	µg/L						
tert-Butylbenzene	ND		1.00	µg/L						
1,1,1,2-Tetrachloroethane	ND		1.00	µg/L						
1,1,2,2-Tetrachloroethane	ND		1.00	µg/L						
Tetrachloroethene	ND		1.00	µg/L						
Tetrahydrofuran	ND		20.0	µg/L						
Toluene	ND		1.00	µg/L						
1,2,3-Trichlorobenzene	ND		1.00	µg/L						
1,2,4-Trichlorobenzene	ND		1.00	µg/L						
1,1,1-Trichloroethane	ND		1.00	µg/L						
1,1,2-Trichloroethane	ND		1.00	µg/L						
Trichloroethene	ND		1.00	µg/L						
Trichlorofluoromethane	ND		1.00	µg/L						
1,2,3-Trichloropropane	ND		1.00	µg/L						
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1.00	µg/L						
1,3,5-Trimethylbenzene	ND		1.00	µg/L						
1,2,4-Trimethylbenzene	ND		1.00	µg/L						
Vinyl Chloride	ND		1.00	µg/L						
o-Xylene	ND		1.00	µg/L						
p/m-Xylene	ND		2.00	µg/L						
Total Xylenes	ND		3.00	µg/L						
Total Trihalomethanes (TTHM)	ND		1.00	µg/L						
Surrogate: Dibromofluoromethane	45.4			µg/L	50.0		90.9	60-140		
Surrogate: 4-Bromofluorobenzene	48.0			µg/L	50.0		96.0	60-140		
Surrogate: 1,2-Dichloroethane-d4	51.7			µg/L	50.0		103	60-140		
Surrogate: Toluene-d8	45.5			µg/L	50.0		90.9	60-140		

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Project: ANCO 417 W. 164th St.
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Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8K0013 (Continued)										
LCS (B8K0013-BS1)										
Prepared & Analyzed: 11/12/2018										
Benzene	39.8		1.00	µg/L	40.0		99.6	70-130		
Bromobenzene	38.0		1.00	µg/L	40.0		95.0	70-130		
Bromodichloromethane	41.9		1.00	µg/L	40.0		105	70-130		
Bromoform	40.3		1.00	µg/L	40.0		101	70-130		
Chlorobenzene	40.6		1.00	µg/L	40.0		102	70-130		
Chloroethane	35.6		5.00	µg/L	40.0		88.9	70-130		
Chloroform	40.0		1.00	µg/L	40.0		100	70-130		
4-Chlorotoluene	44.7		1.00	µg/L	40.0		112	70-130		
Dibromomethane	39.1		1.00	µg/L	40.0		97.7	70-130		
1,2-Dichlorobenzene	40.3		1.00	µg/L	40.0		101	70-130		
1,1-Dichloroethene	38.6		1.00	µg/L	40.0		96.6	70-130		
1,2-Dichloropropane	43.4		1.00	µg/L	40.0		109	70-130		
2,2-Dichloropropane	38.7		1.00	µg/L	40.0		96.7	70-130		
1,1-Dichloropropene	39.2		1.00	µg/L	40.0		98.0	70-130		
Diethyl Ether	35.3		5.00	µg/L	40.0		88.3	70-130		
Diisopropyl Ether (DIPE)	42.4		1.00	µg/L	40.0		106	70-130		
Ethylbenzene	42.0		1.00	µg/L	40.0		105	70-130		
Hexachloro-1,3-Butadiene	37.7		1.00	µg/L	40.0		94.2	70-130		
Methylene Chloride	38.8		5.00	µg/L	40.0		97.0	70-130		
Methyl-t-Butyl Ether (MTBE)	37.3		1.00	µg/L	40.0		93.2	70-130		
Styrene	42.5		1.00	µg/L	40.0		106	70-130		
tert-Butylbenzene	41.0		1.00	µg/L	40.0		103	70-130		
Tetrachloroethene	35.9		1.00	µg/L	40.0		89.8	70-130		
Toluene	38.7		1.00	µg/L	40.0		96.8	70-130		
1,2,3-Trichlorobenzene	38.2		1.00	µg/L	40.0		95.6	70-130		
Trichloroethene	38.2		1.00	µg/L	40.0		95.4	70-130		
1,3,5-Trimethylbenzene	42.3		1.00	µg/L	40.0		106	70-130		
Vinyl Chloride	36.5		1.00	µg/L	40.0		91.3	70-130		
Surrogate: Dibromofluoromethane	46.2			µg/L	50.0		92.3	60-140		
Surrogate: 4-Bromofluorobenzene	49.6			µg/L	50.0		99.2	60-140		
Surrogate: 1,2-Dichloroethane-d4	49.9			µg/L	50.0		99.8	60-140		
Surrogate: Toluene-d8	46.7			µg/L	50.0		93.4	60-140		

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8K0013 (Continued)										
LCS Dup (B8K0013-BSD1)										
Prepared & Analyzed: 11/12/2018										
Benzene	40.7		1.00	µg/L	40.0		102	70-130	2.19	20
Bromobenzene	41.0		1.00	µg/L	40.0		102	70-130	7.55	20
Bromodichloromethane	43.4		1.00	µg/L	40.0		109	70-130	3.59	20
Bromoform	43.6		1.00	µg/L	40.0		109	70-130	7.82	20
Chlorobenzene	42.0		1.00	µg/L	40.0		105	70-130	3.44	20
Chloroethane	35.9		5.00	µg/L	40.0		89.8	70-130	0.980	20
Chloroform	40.0		1.00	µg/L	40.0		100	70-130	0.0500	20
4-Chlorotoluene	46.8		1.00	µg/L	40.0		117	70-130	4.72	20
Dibromomethane	40.4		1.00	µg/L	40.0		101	70-130	3.42	20
1,2-Dichlorobenzene	42.1		1.00	µg/L	40.0		105	70-130	4.46	20
1,1-Dichloroethene	39.3		1.00	µg/L	40.0		98.2	70-130	1.67	20
1,2-Dichloropropane	44.6		1.00	µg/L	40.0		112	70-130	2.70	20
2,2-Dichloropropane	38.5		1.00	µg/L	40.0		96.3	70-130	0.363	20
1,1-Dichloropropene	39.6		1.00	µg/L	40.0		98.9	70-130	0.914	20
Diethyl Ether	34.8		5.00	µg/L	40.0		87.1	70-130	1.43	20
Diisopropyl Ether (DIPE)	42.8		1.00	µg/L	40.0		107	70-130	1.13	20
Ethylbenzene	44.4		1.00	µg/L	40.0		111	70-130	5.49	20
Hexachloro-1,3-Butadiene	39.3		1.00	µg/L	40.0		98.2	70-130	4.24	20
Methylene Chloride	39.1		5.00	µg/L	40.0		97.7	70-130	0.745	20
Methyl-t-Butyl Ether (MTBE)	38.3		1.00	µg/L	40.0		95.7	70-130	2.59	20
Styrene	44.5		1.00	µg/L	40.0		111	70-130	4.50	20
tert-Butylbenzene	43.1		1.00	µg/L	40.0		108	70-130	4.83	20
Tetrachloroethene	37.6		1.00	µg/L	40.0		94.0	70-130	4.60	20
Toluene	39.8		1.00	µg/L	40.0		99.5	70-130	2.73	20
1,2,3-Trichlorobenzene	41.1		1.00	µg/L	40.0		103	70-130	7.28	20
Trichloroethene	39.0		1.00	µg/L	40.0		97.6	70-130	2.28	20
1,3,5-Trimethylbenzene	45.9		1.00	µg/L	40.0		115	70-130	8.17	20
Vinyl Chloride	36.4		1.00	µg/L	40.0		91.1	70-130	0.247	20
Surrogate: Dibromofluoromethane	45.5			µg/L	50.0		90.9	60-140		
Surrogate: 4-Bromofluorobenzene	50.4			µg/L	50.0		101	60-140		
Surrogate: 1,2-Dichloroethane-d4	50.0			µg/L	50.0		100	60-140		
Surrogate: Toluene-d8	46.1			µg/L	50.0		92.2	60-140		

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: B8K0014

Blank (B8K0014-BLK1)

Prepared & Analyzed: 11/13/2018

Acetone	ND		20.0	µg/L						
Acetonitrile	ND		20.0	µg/L						
Acrylonitrile	ND		5.00	µg/L						
Allyl Chloride	ND		1.00	µg/L						
Benzene	ND		1.00	µg/L						
Bromobenzene	ND		1.00	µg/L						
Bromochloromethane	ND		1.00	µg/L						
Bromodichloromethane	ND		1.00	µg/L						
Bromoform	ND		1.00	µg/L						
Bromomethane	ND		5.00	µg/L						
2-Butanone (Methyl Ethyl Ketone - MEK)	ND		5.00	µg/L						
n-Butylbenzene	ND		1.00	µg/L						
Carbon Disulfide	ND		1.00	µg/L						
Carbon Tetrachloride	ND		1.00	µg/L						
Chlorobenzene	ND		1.00	µg/L						
Chloroethane	ND		5.00	µg/L						
Chloroform	ND		1.00	µg/L						
Chloromethane	ND		5.00	µg/L						
Chloroprene	ND		1.00	µg/L						
2-Chlorotoluene	ND		1.00	µg/L						
4-Chlorotoluene	ND		1.00	µg/L						
1,2-Dibromo-3-Chloropropane	ND		5.00	µg/L						
Dibromochloromethane	ND		1.00	µg/L						
1,2-Dibromoethane (EDB)	ND		1.00	µg/L						
Dibromomethane	ND		1.00	µg/L						
cis-1,4-dichloro-2-butene	ND		1.00	µg/L						
t-1,4-Dichloro-2-Butene	ND		1.00	µg/L						
1,2-Dichlorobenzene	ND		1.00	µg/L						
1,3-Dichlorobenzene	ND		1.00	µg/L						
1,4-Dichlorobenzene	ND		1.00	µg/L						
Dichlorodifluoromethane (Freon 12)	ND		1.00	µg/L						
1,1-Dichloroethane	ND		1.00	µg/L						
1,2-Dichloroethane	ND		1.00	µg/L						
1,1-Dichloroethene	ND		1.00	µg/L						
c-1,2-Dichloroethene	ND		1.00	µg/L						
c-1,3-Dichloropropene	ND		1.00	µg/L						
t-1,2-Dichloroethene	ND		1.00	µg/L						
1,2-Dichloropropane	ND		1.00	µg/L						
1,3-Dichloropropane	ND		1.00	µg/L						
2,2-Dichloropropane	ND		1.00	µg/L						
1,1-Dichloropropene	ND		1.00	µg/L						
t-1,3-Dichloropropene	ND		1.00	µg/L						
Diethyl Ether	ND		5.00	µg/L						
Diisopropyl Ether (DIPE)	ND		1.00	µg/L						
Ethylbenzene	ND		1.00	µg/L						

Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
---------	--------	------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------

Batch: B8K0014 (Continued)

Blank (B8K0014-BLK1)

Prepared & Analyzed: 11/13/2018

Ethyl Methacrylate	ND		5.00	µg/L						
Ethyl-tert-butyl-ether (ETBE)	ND		1.00	µg/L						
Hexachloro-1,3-Butadiene	ND		1.00	µg/L						
2-Hexanone	ND		5.00	µg/L						
Isopropylbenzene	ND		1.00	µg/L						
p-Isopropyltoluene	ND		1.00	µg/L						
Methacrylonitrile	ND		1.00	µg/L						
Methylene Chloride	ND		5.00	µg/L						
Methyl Methacrylate	ND		1.00	µg/L						
4-Methyl-2-Pentanone	ND		20.0	µg/L						
Methyl-t-Butyl Ether (MTBE)	ND		1.00	µg/L						
Naphthalene	ND		5.00	µg/L						
Propionitrile	ND		5.00	µg/L						
n-Propylbenzene	ND		1.00	µg/L						
sec-Butylbenzene	ND		1.00	µg/L						
Styrene	ND		1.00	µg/L						
Tert-amyl-Methyl Ether (TAME)	ND		1.00	µg/L						
Tert-Butyl Alcohol (TBA)	ND		25.0	µg/L						
tert-Butylbenzene	ND		1.00	µg/L						
1,1,1,2-Tetrachloroethane	ND		1.00	µg/L						
1,1,2,2-Tetrachloroethane	ND		1.00	µg/L						
Tetrachloroethene	ND		1.00	µg/L						
Tetrahydrofuran	ND		20.0	µg/L						
Toluene	ND		1.00	µg/L						
1,2,3-Trichlorobenzene	ND		1.00	µg/L						
1,2,4-Trichlorobenzene	ND		1.00	µg/L						
1,1,1-Trichloroethane	ND		1.00	µg/L						
1,1,2-Trichloroethane	ND		1.00	µg/L						
Trichloroethene	ND		1.00	µg/L						
Trichlorofluoromethane	ND		1.00	µg/L						
1,2,3-Trichloropropane	ND		1.00	µg/L						
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1.00	µg/L						
1,3,5-Trimethylbenzene	ND		1.00	µg/L						
1,2,4-Trimethylbenzene	ND		1.00	µg/L						
Vinyl Chloride	ND		1.00	µg/L						
o-Xylene	ND		1.00	µg/L						
p/m-Xylene	ND		2.00	µg/L						
Total Xylenes	ND		3.00	µg/L						
Total Trihalomethanes (TTHM)	ND		1.00	µg/L						
Surrogate: Dibromofluoromethane	49.5			µg/L	50.0		98.9	60-140		
Surrogate: 4-Bromofluorobenzene	50.0			µg/L	50.0		99.9	60-140		
Surrogate: 1,2-Dichloroethane-d4	49.2			µg/L	50.0		98.5	60-140		
Surrogate: Toluene-d8	49.7			µg/L	50.0		99.5	60-140		

Leymaster Environmental Consulting, LLC
 5500 E. Atherton Street, Suite 210
 Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
 Project Number: 417 W. 164th St.
 Project Manager: Charles Lindeman

Quality Control
 (Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8K0014 (Continued)										
LCS (B8K0014-BS1)										
Prepared & Analyzed: 11/13/2018										
Benzene	41.1		1.00	µg/L	40.0		103	70-130		
Bromobenzene	42.2		1.00	µg/L	40.0		106	70-130		
Bromodichloromethane	41.4		1.00	µg/L	40.0		104	70-130		
Bromoform	40.6		1.00	µg/L	40.0		101	70-130		
Chlorobenzene	41.0		1.00	µg/L	40.0		102	70-130		
Chloroethane	42.4		5.00	µg/L	40.0		106	70-130		
Chloroform	40.5		1.00	µg/L	40.0		101	70-130		
4-Chlorotoluene	41.4		1.00	µg/L	40.0		103	70-130		
Dibromomethane	41.9		1.00	µg/L	40.0		105	70-130		
1,2-Dichlorobenzene	40.9		1.00	µg/L	40.0		102	70-130		
1,1-Dichloroethene	42.2		1.00	µg/L	40.0		105	70-130		
1,2-Dichloropropane	41.4		1.00	µg/L	40.0		104	70-130		
2,2-Dichloropropane	45.8		1.00	µg/L	40.0		114	70-130		
1,1-Dichloropropene	41.4		1.00	µg/L	40.0		103	70-130		
Diethyl Ether	40.9		5.00	µg/L	40.0		102	70-130		
Diisopropyl Ether (DIPE)	40.8		1.00	µg/L	40.0		102	70-130		
Ethylbenzene	40.9		1.00	µg/L	40.0		102	70-130		
Hexachloro-1,3-Butadiene	42.3		1.00	µg/L	40.0		106	70-130		
Methylene Chloride	41.4		5.00	µg/L	40.0		103	70-130		
Methyl-t-Butyl Ether (MTBE)	41.8		1.00	µg/L	40.0		104	70-130		
Styrene	41.6		1.00	µg/L	40.0		104	70-130		
tert-Butylbenzene	40.3		1.00	µg/L	40.0		101	70-130		
Tetrachloroethene	41.0		1.00	µg/L	40.0		102	70-130		
Toluene	41.9		1.00	µg/L	40.0		105	70-130		
1,2,3-Trichlorobenzene	41.6		1.00	µg/L	40.0		104	70-130		
Trichloroethene	40.6		1.00	µg/L	40.0		102	70-130		
1,3,5-Trimethylbenzene	42.4		1.00	µg/L	40.0		106	70-130		
Vinyl Chloride	46.0		1.00	µg/L	40.0		115	70-130		
Surrogate: Dibromofluoromethane	51.0			µg/L	50.0		102	60-140		
Surrogate: 4-Bromofluorobenzene	50.2			µg/L	50.0		100	60-140		
Surrogate: 1,2-Dichloroethane-d4	50.1			µg/L	50.0		100	60-140		
Surrogate: Toluene-d8	50.6			µg/L	50.0		101	60-140		

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8K0014 (Continued)										
LCS Dup (B8K0014-BSD1)				Prepared & Analyzed: 11/13/2018						
Benzene	40.1		1.00	µg/L	40.0		100	70-130	2.34	20
Bromobenzene	40.9		1.00	µg/L	40.0		102	70-130	3.25	20
Bromodichloromethane	40.4		1.00	µg/L	40.0		101	70-130	2.59	20
Bromoform	40.3		1.00	µg/L	40.0		101	70-130	0.643	20
Chlorobenzene	40.6		1.00	µg/L	40.0		102	70-130	0.834	20
Chloroethane	41.5		5.00	µg/L	40.0		104	70-130	2.03	20
Chloroform	39.1		1.00	µg/L	40.0		97.7	70-130	3.59	20
4-Chlorotoluene	41.2		1.00	µg/L	40.0		103	70-130	0.388	20
Dibromomethane	40.1		1.00	µg/L	40.0		100	70-130	4.29	20
1,2-Dichlorobenzene	40.2		1.00	µg/L	40.0		101	70-130	1.60	20
1,1-Dichloroethene	40.8		1.00	µg/L	40.0		102	70-130	3.45	20
1,2-Dichloropropane	39.6		1.00	µg/L	40.0		99.1	70-130	4.44	20
2,2-Dichloropropane	43.2		1.00	µg/L	40.0		108	70-130	5.85	20
1,1-Dichloropropene	40.2		1.00	µg/L	40.0		100	70-130	2.99	20
Diethyl Ether	39.0		5.00	µg/L	40.0		97.4	70-130	4.96	20
Diisopropyl Ether (DIPE)	38.5		1.00	µg/L	40.0		96.2	70-130	5.76	20
Ethylbenzene	40.5		1.00	µg/L	40.0		101	70-130	1.08	20
Hexachloro-1,3-Butadiene	40.7		1.00	µg/L	40.0		102	70-130	3.73	20
Methylene Chloride	39.9		5.00	µg/L	40.0		99.8	70-130	3.62	20
Methyl-t-Butyl Ether (MTBE)	39.0		1.00	µg/L	40.0		97.4	70-130	6.96	20
Styrene	41.6		1.00	µg/L	40.0		104	70-130	0.120	20
tert-Butylbenzene	39.9		1.00	µg/L	40.0		99.7	70-130	0.923	20
Tetrachloroethene	41.3		1.00	µg/L	40.0		103	70-130	0.681	20
Toluene	40.4		1.00	µg/L	40.0		101	70-130	3.52	20
1,2,3-Trichlorobenzene	40.5		1.00	µg/L	40.0		101	70-130	2.71	20
Trichloroethene	38.7		1.00	µg/L	40.0		96.8	70-130	4.81	20
1,3,5-Trimethylbenzene	42.8		1.00	µg/L	40.0		107	70-130	0.985	20
Vinyl Chloride	43.2		1.00	µg/L	40.0		108	70-130	6.21	20
<hr/>										
Surrogate: Dibromofluoromethane	49.2			µg/L	50.0		98.3	60-140		
Surrogate: 4-Bromofluorobenzene	50.6			µg/L	50.0		101	60-140		
Surrogate: 1,2-Dichloroethane-d4	48.3			µg/L	50.0		96.7	60-140		
Surrogate: Toluene-d8	49.3			µg/L	50.0		98.6	60-140		

Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Notes and Definitions

Item	Definition
Dry	Sample results reported on a dry weight basis.
ND	Analyte NOT DETECTED at or above the reporting limit.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.
(R)	Re-run for dilution or confirmation.

2702 East Willow Street, Signal Hill, CA 90755
310-809-1041

page 1 of 1
PAL WO#: P811006

Client Name Address		Leymaster Env. Con. #210 5300 E. Atwater St. Long Beach CA 90815																																																																											
Project Manager Email		Charles Leymaster charles@leymaster.net																																																																											
Phone		562-999-9866																																																																											
Project Name/Number		A000 417 W. 164th St																																																																											
P.O. Number																																																																													
Sampled By		Mike DeBero																																																																											
Client Sample ID / Description	Sample Date	Sample Time	Sample Matrix*	Container**	Quantity/ Type/ Preservation																																																																								
1 MW-18D	11/9/18	11:28	GW	300	40ml VOA w/HA																																																																								
2 MW-18A		10:36			X																																																																								
3 MW-18C		11:08			X																																																																								
4 MW-17D		09:36			X																																																																								
5 MW-17A		08:46			X																																																																								
6 MW-17C		09:08			X																																																																								
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Company:			TIME:																																																																										

Global ID # SL2041F1507

*Matrix Codes: (S = Solids), (P = Product), (SED = Sediment), (FW = Freshwater), (WW = Wastewater), (STRMW = Stormwater), (W = Other Water), (O = Other)
 **Container Code: (V = VOA), (P = Poly), (G = Glass), (L = Sleeve), (J = Jar)
 **Preservation Code: (H = HCl), (N = HNO3), (S = H2SO4), (O = NaOH), (Z = Zinc Acetate)

SAMPLE RECEIPT FORM

WORK ORDER ID
9811006

Client Leymaster
 Courier CLIENT PALI OTHER _____ FEDEX UPS Tracking # _____

Cooler 1 OF 1
 Date Received: 11/7/18

TEMPERATURE: Criteria 0.0°C - 6.0°C

Cooler ID	Temperature Reading	Temperature w/o CF (°C)	Correction Factor (CF) (°C)	Temperature with CF (°C)	Thermometer ID
	<input type="radio"/> Blank <input checked="" type="radio"/> Sample	-1.0	0.0	-1.0	TM-12

WET ICE BLUE ICE AMBIENT OTHER _____

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

CUSTODY SEALS

Cooler Seal Present and Intact Present and **NOT** Intact Seals signed and dated Not Present
 Sample Seal Present and Intact Present and **NOT** Intact Seals signed and dated Not Present

CLIENT COC

INCLUDED NOT INCLUDED Complete Incomplete, See Notes/Discrepancy Form

SAMPLE MATRIX

SOLID LIQUID AIR OTHER _____

SAMPLE CONDITION

	YES	NO	N/A
All sample containers received intact and in good condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All samples listed on COC(s) are present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All sample info on containers are consistent with sample info on COC(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Correct containers for analyses requested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sufficient volume for analyses requested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper preservation chemical(s) noted on COC and/or sample container	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All samples received within method holding time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Volatile analysis containers free of headspace larger than 6mm	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NOTES

<u>MW</u>	<u>11/7/18</u>		
Initials	Date	Initials	Date

December 12, 2018

Leymaster Environmental Consulting, LLC

5500 E. Atherton Street, Suite 210

Long Beach, CA 90815

Re: ANCO 417 W. 164th St.

Project No. : 417 W. 164th St.

Work Order: P811009

Dear Charles Lindeman

Enclosed are the results of analyses for samples received by our laboratory on 11/12/2018. The contents of this report apply to the sample(s) analyzed in accordance with the chain-of-custody document supplied with the sample(s).

No duplication of this report is allowed, except in its entirety. Please do not hesitate to call if you have any questions and thank you very much for using Performance Analytical Laboratories for your analytical needs.

Regards,



Marycarol Valenzuela
Project Manager

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Quality Assurance Results	34
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Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Samples in this Report

Lab ID	Sample	Qualifier	Matrix	Date Sampled	Date Received
P811009-01	MW-9B		Water	11/12/2018	11/12/2018
P811009-02	MW-9A		Water	11/12/2018	11/12/2018
P811009-03	MW-11B		Water	11/12/2018	11/12/2018
P811009-04	MW-12D		Water	11/12/2018	11/12/2018
P811009-05	MW-12C		Water	11/12/2018	11/12/2018
P811009-06	OW-4C		Water	11/12/2018	11/12/2018
P811009-07	OW-4A		Water	11/12/2018	11/12/2018
P811009-08	OW-4B		Water	11/12/2018	11/12/2018
P811009-09	OW-4D		Water	11/12/2018	11/12/2018
P811009-10	MW-9C		Water	11/12/2018	11/12/2018

Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-9B

P811009-01 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0016)							
Acetone	ND	µg/L	5	100	11/15/2018	EPA 8260B	
Acetonitrile	ND	µg/L	5	100	11/15/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Benzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Bromobenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Bromoform	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Bromomethane	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Chloroethane	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
Chloroform	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Chloromethane	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
Chloroprene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Dibromomethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,1-Dichloroethene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
c-1,2-Dichloroethene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
c-1,3-Dichloropropene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
 Project Number: 417 W. 164th St.
 Project Manager: Charles Lindeman

Sample: MW-9B (Continued)

P811009-01 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0016) (Continued)							
t-1,2-Dichloroethene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	8.85	µg/L	5	5.00	11/15/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
2-Hexanone	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	5	100	11/15/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	335	µg/L	5	5.00	11/15/2018	EPA 8260B	
Naphthalene	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
Propionitrile	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Styrene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	5	125	11/15/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Tetrachloroethene	27.2	µg/L	5	5.00	11/15/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	5	100	11/15/2018	EPA 8260B	
Toluene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-9B (Continued)

P811009-01 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0016) (Continued)							
1,1,1-Trichloroethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Trichloroethene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
o-Xylene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	5	10.0	11/15/2018	EPA 8260B	
Total Xylenes	ND	µg/L	5	15.0	11/15/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
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Surrogate: Dibromofluoromethane	100%			60-140	11/15/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	100%			60-140	11/15/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	105%			60-140	11/15/2018	EPA 8260B	
Surrogate: Toluene-d8	99.5%			60-140	11/15/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-9A

P811009-02 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0014)							
Acetone	28.7	µg/L	1	20.0	11/13/2018	EPA 8260B	
Acetonitrile	ND	µg/L	1	20.0	11/13/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Benzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Bromobenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Bromoform	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Bromomethane	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	6.24	µg/L	1	5.00	11/13/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Chloroethane	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Chloroform	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Chloromethane	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Chloroprene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Dibromomethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2-Dichloroethane	1.18	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,1-Dichloroethene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
c-1,2-Dichloroethene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-9A (Continued)

P811009-02 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0014) (Continued)							
c-1,3-Dichloropropene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
t-1,2-Dichloroethene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	6.17	µg/L	1	1.00	11/13/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
2-Hexanone	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	1	20.0	11/13/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Naphthalene	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Propionitrile	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Styrene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	1	25.0	11/13/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Tetrachloroethene	58.5	µg/L	1	1.00	11/13/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	1	20.0	11/13/2018	EPA 8260B	
Toluene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-9A (Continued)

P811009-02 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
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Volatile Organic Compounds (Batch ID: B8K0014) (Continued)

1,2,4-Trichlorobenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,1,1-Trichloroethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Trichloroethene	1.56	µg/L	1	1.00	11/13/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
o-Xylene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	1	2.00	11/13/2018	EPA 8260B	
Total Xylenes	ND	µg/L	1	3.00	11/13/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	

Surrogate: Dibromofluoromethane	99.0%			60-140	11/13/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	98.6%			60-140	11/13/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	102%			60-140	11/13/2018	EPA 8260B	
Surrogate: Toluene-d8	101%			60-140	11/13/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-11B

P811009-03 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0014)							
Acetone	ND	µg/L	20	400	11/13/2018	EPA 8260B	
Acetonitrile	ND	µg/L	20	400	11/13/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	20	100	11/13/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
Benzene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
Bromobenzene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
Bromoform	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
Bromomethane	ND	µg/L	20	100	11/13/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	ND	µg/L	20	100	11/13/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
Chloroethane	ND	µg/L	20	100	11/13/2018	EPA 8260B	
Chloroform	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
Chloromethane	ND	µg/L	20	100	11/13/2018	EPA 8260B	
Chloroprene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	20	100	11/13/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
Dibromomethane	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
1,1-Dichloroethene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
c-1,2-Dichloroethene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
c-1,3-Dichloropropene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-11B (Continued)

P811009-03 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0014) (Continued)							
t-1,2-Dichloroethene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	20	100	11/13/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	20	100	11/13/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
2-Hexanone	ND	µg/L	20	100	11/13/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	20	100	11/13/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	20	400	11/13/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	3340	µg/L	20	20.0	11/13/2018	EPA 8260B	
Naphthalene	ND	µg/L	20	100	11/13/2018	EPA 8260B	
Propionitrile	ND	µg/L	20	100	11/13/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
Styrene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	20	500	11/13/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
1,1,1,2,2-Tetrachloroethane	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
Tetrachloroethene	24.4	µg/L	20	20.0	11/13/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	20	400	11/13/2018	EPA 8260B	
Toluene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-11B (Continued)

P811009-03 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0014) (Continued)							
1,1,1-Trichloroethane	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
Trichloroethene	23.2	µg/L	20	20.0	11/13/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
o-Xylene	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	20	40.0	11/13/2018	EPA 8260B	
Total Xylenes	ND	µg/L	20	60.0	11/13/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	20	20.0	11/13/2018	EPA 8260B	
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Surrogate: Dibromofluoromethane	99.9%			60-140	11/13/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	97.7%			60-140	11/13/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	100%			60-140	11/13/2018	EPA 8260B	
Surrogate: Toluene-d8	99.5%			60-140	11/13/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-12D

P811009-04 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0014)							
Acetone	42.1	µg/L	1	20.0	11/13/2018	EPA 8260B	
Acetonitrile	ND	µg/L	1	20.0	11/13/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Benzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Bromobenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Bromoform	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Bromomethane	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	10.5	µg/L	1	5.00	11/13/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Chloroethane	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Chloroform	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Chloromethane	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Chloroprene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Dibromomethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,1-Dichloroethene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
c-1,2-Dichloroethene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-12D (Continued)

P811009-04 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0014) (Continued)							
c-1,3-Dichloropropene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
t-1,2-Dichloroethene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
2-Hexanone	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	1	20.0	11/13/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	4.61	µg/L	1	1.00	11/13/2018	EPA 8260B	
Naphthalene	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Propionitrile	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Styrene	1.33	µg/L	1	1.00	11/13/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	1	25.0	11/13/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Tetrachloroethene	2.09	µg/L	1	1.00	11/13/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	1	20.0	11/13/2018	EPA 8260B	
Toluene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-12D (Continued)

P811009-04 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0014) (Continued)							
1,2,4-Trichlorobenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,1,1-Trichloroethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Trichloroethene	1.64	µg/L	1	1.00	11/13/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
o-Xylene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	1	2.00	11/13/2018	EPA 8260B	
Total Xylenes	ND	µg/L	1	3.00	11/13/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	

Surrogate: Dibromofluoromethane	100%			60-140	11/13/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	98.5%			60-140	11/13/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	101%			60-140	11/13/2018	EPA 8260B	
Surrogate: Toluene-d8	99.5%			60-140	11/13/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-12C

P811009-05 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
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Volatile Organic Compounds (Batch ID: B8K0016)

Acetone	20.4	µg/L	1	20.0	11/15/2018	EPA 8260B	
Acetonitrile	ND	µg/L	1	20.0	11/15/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Benzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Bromobenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Bromoform	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Bromomethane	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Chloroethane	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Chloroform	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Chloromethane	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Chloroprene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Dibromomethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,1-Dichloroethene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
c-1,2-Dichloroethene	17.4	µg/L	1	1.00	11/15/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-12C (Continued)

P811009-05 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0016) (Continued)							
c-1,3-Dichloropropene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
t-1,2-Dichloroethene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
2-Hexanone	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	1	20.0	11/15/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	1.32	µg/L	1	1.00	11/15/2018	EPA 8260B	
Naphthalene	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Propionitrile	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Styrene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	1	25.0	11/15/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Tetrachloroethene	3.35	µg/L	1	1.00	11/15/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	1	20.0	11/15/2018	EPA 8260B	
Toluene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-12C (Continued)

P811009-05 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0016) (Continued)							
1,2,4-Trichlorobenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,1,1-Trichloroethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Trichloroethene	57.8	µg/L	1	1.00	11/15/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
o-Xylene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	1	2.00	11/15/2018	EPA 8260B	
Total Xylenes	ND	µg/L	1	3.00	11/15/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
<hr/>							
Surrogate: Dibromofluoromethane	101%			60-140	11/15/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	99.8%			60-140	11/15/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	105%			60-140	11/15/2018	EPA 8260B	
Surrogate: Toluene-d8	99.0%			60-140	11/15/2018	EPA 8260B	

Leymaster Environmental Consulting, LLC
 5500 E. Atherton Street, Suite 210
 Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
 Project Number: 417 W. 164th St.
 Project Manager: Charles Lindeman

Sample: OW-4C

P811009-06 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0016)							
Acetone	ND	µg/L	5	100	11/15/2018	EPA 8260B	
Acetonitrile	ND	µg/L	5	100	11/15/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Benzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Bromobenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Bromoform	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Bromomethane	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Chloroethane	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
Chloroform	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Chloromethane	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
Chloroprene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Dibromomethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,1-Dichloroethene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
c-1,2-Dichloroethene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
c-1,3-Dichloropropene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	

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Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: OW-4C (Continued)

P811009-06 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0016) (Continued)							
t-1,2-Dichloroethene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
2-Hexanone	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	5	100	11/15/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Naphthalene	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
Propionitrile	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Styrene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	5	125	11/15/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Tetrachloroethene	414	µg/L	5	5.00	11/15/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	5	100	11/15/2018	EPA 8260B	
Toluene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,1,1-Trichloroethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	

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Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: OW-4C (Continued)

P811009-06 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0016) (Continued)							
1,1,2-Trichloroethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Trichloroethene	37.2	µg/L	5	5.00	11/15/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
o-Xylene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	5	10.0	11/15/2018	EPA 8260B	
Total Xylenes	ND	µg/L	5	15.0	11/15/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
<hr/>							
Surrogate: Dibromofluoromethane	101%			60-140	11/15/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	98.6%			60-140	11/15/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	108%			60-140	11/15/2018	EPA 8260B	
Surrogate: Toluene-d8	101%			60-140	11/15/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: OW-4A

P811009-07 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0014)							
Acetone	ND	µg/L	1	20.0	11/13/2018	EPA 8260B	
Acetonitrile	ND	µg/L	1	20.0	11/13/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Benzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Bromobenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Bromoform	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Bromomethane	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Chloroethane	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Chloroform	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Chloromethane	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Chloroprene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Dibromomethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,1-Dichloroethene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
c-1,2-Dichloroethene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
c-1,3-Dichloropropene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
 Project Number: 417 W. 164th St.
 Project Manager: Charles Lindeman

Sample: OW-4A (Continued)

P811009-07 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0014) (Continued)							
t-1,2-Dichloroethene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
2-Hexanone	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	1	20.0	11/13/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Naphthalene	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Propionitrile	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Styrene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	1	25.0	11/13/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Tetrachloroethene	11.9	µg/L	1	1.00	11/13/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	1	20.0	11/13/2018	EPA 8260B	
Toluene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,1,1-Trichloroethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	

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Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: OW-4A (Continued)

P811009-07 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0014) (Continued)							
1,1,2-Trichloroethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Trichloroethene	5.15	µg/L	1	1.00	11/13/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	22.8	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
o-Xylene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	1	2.00	11/13/2018	EPA 8260B	
Total Xylenes	ND	µg/L	1	3.00	11/13/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
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Surrogate: Dibromofluoromethane	97.2%			60-140	11/13/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	100%			60-140	11/13/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	102%			60-140	11/13/2018	EPA 8260B	
Surrogate: Toluene-d8	98.6%			60-140	11/13/2018	EPA 8260B	

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Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: OW-4B

P811009-08 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0014)							
Acetone	ND	µg/L	5	100	11/13/2018	EPA 8260B	
Acetonitrile	ND	µg/L	5	100	11/13/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	5	25.0	11/13/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
Benzene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
Bromobenzene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
Bromoform	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
Bromomethane	ND	µg/L	5	25.0	11/13/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	ND	µg/L	5	25.0	11/13/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
Chloroethane	ND	µg/L	5	25.0	11/13/2018	EPA 8260B	
Chloroform	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
Chloromethane	ND	µg/L	5	25.0	11/13/2018	EPA 8260B	
Chloroprene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	5	25.0	11/13/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
Dibromomethane	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
1,1-Dichloroethene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
c-1,2-Dichloroethene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
c-1,3-Dichloropropene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: OW-4B (Continued)

P811009-08 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0014) (Continued)							
t-1,2-Dichloroethene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	5	25.0	11/13/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	5	25.0	11/13/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
2-Hexanone	ND	µg/L	5	25.0	11/13/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	5	25.0	11/13/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	5	100	11/13/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
Naphthalene	ND	µg/L	5	25.0	11/13/2018	EPA 8260B	
Propionitrile	ND	µg/L	5	25.0	11/13/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
Styrene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	5	125	11/13/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
Tetrachloroethene	237	µg/L	5	5.00	11/13/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	5	100	11/13/2018	EPA 8260B	
Toluene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
1,1,1-Trichloroethane	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: OW-4B (Continued)

P811009-08 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0014) (Continued)							
1,1,2-Trichloroethane	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
Trichloroethene	17.4	µg/L	5	5.00	11/13/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	13.8	µg/L	5	5.00	11/13/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
o-Xylene	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	5	10.0	11/13/2018	EPA 8260B	
Total Xylenes	ND	µg/L	5	15.0	11/13/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	5	5.00	11/13/2018	EPA 8260B	
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Surrogate: Dibromofluoromethane	100%			60-140	11/13/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	98.7%			60-140	11/13/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	100%			60-140	11/13/2018	EPA 8260B	
Surrogate: Toluene-d8	100%			60-140	11/13/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: OW-4D

P811009-09 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0014)							
Acetone	ND	µg/L	1	20.0	11/13/2018	EPA 8260B	
Acetonitrile	ND	µg/L	1	20.0	11/13/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Benzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Bromobenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Bromoform	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Bromomethane	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Chloroethane	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Chloroform	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Chloromethane	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Chloroprene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Dibromomethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,1-Dichloroethene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
c-1,2-Dichloroethene	16.2	µg/L	1	1.00	11/13/2018	EPA 8260B	
c-1,3-Dichloropropene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: OW-4D (Continued)

P811009-09 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0014) (Continued)							
t-1,2-Dichloroethene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
2-Hexanone	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	1	20.0	11/13/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Naphthalene	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
Propionitrile	ND	µg/L	1	5.00	11/13/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Styrene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	1	25.0	11/13/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Tetrachloroethene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	1	20.0	11/13/2018	EPA 8260B	
Toluene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,1,1-Trichloroethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: OW-4D (Continued)

P811009-09 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0014) (Continued)							
1,1,2-Trichloroethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Trichloroethene	16.5	µg/L	1	1.00	11/13/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
o-Xylene	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	1	2.00	11/13/2018	EPA 8260B	
Total Xylenes	ND	µg/L	1	3.00	11/13/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	1	1.00	11/13/2018	EPA 8260B	
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Surrogate: Dibromofluoromethane	99.3%			60-140	11/13/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	100%			60-140	11/13/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	102%			60-140	11/13/2018	EPA 8260B	
Surrogate: Toluene-d8	100%			60-140	11/13/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-9C

P811009-10 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0016)							
Acetone	ND	µg/L	5	100	11/15/2018	EPA 8260B	
Acetonitrile	ND	µg/L	5	100	11/15/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Benzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Bromobenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Bromoform	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Bromomethane	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Chloroethane	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
Chloroform	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Chloromethane	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
Chloroprene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Dibromomethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,1-Dichloroethene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
c-1,2-Dichloroethene	26.2	µg/L	5	5.00	11/15/2018	EPA 8260B	
c-1,3-Dichloropropene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-9C (Continued)

P811009-10 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0016) (Continued)							
t-1,2-Dichloroethene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
2-Hexanone	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	5	100	11/15/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Naphthalene	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
Propionitrile	ND	µg/L	5	25.0	11/15/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Styrene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	5	125	11/15/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Tetrachloroethene	259	µg/L	5	5.00	11/15/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	5	100	11/15/2018	EPA 8260B	
Toluene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,1,1-Trichloroethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-9C (Continued)

P811009-10 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0016) (Continued)							
1,1,2-Trichloroethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Trichloroethene	28.8	µg/L	5	5.00	11/15/2018	EPA 8260B	
Trichlorofluoromethane	30.4	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
o-Xylene	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	5	10.0	11/15/2018	EPA 8260B	
Total Xylenes	ND	µg/L	5	15.0	11/15/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	5	5.00	11/15/2018	EPA 8260B	
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Surrogate: Dibromofluoromethane	99.2%			60-140	11/15/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	100%			60-140	11/15/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	106%			60-140	11/15/2018	EPA 8260B	
Surrogate: Toluene-d8	101%			60-140	11/15/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Quality Control

Volatile Organic Compounds

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: B8K0014

Blank (B8K0014-BLK1)

Prepared & Analyzed: 11/13/2018

Acetone	ND		20.0	µg/L						
Acetonitrile	ND		20.0	µg/L						
Acrylonitrile	ND		5.00	µg/L						
Allyl Chloride	ND		1.00	µg/L						
Benzene	ND		1.00	µg/L						
Bromobenzene	ND		1.00	µg/L						
Bromochloromethane	ND		1.00	µg/L						
Bromodichloromethane	ND		1.00	µg/L						
Bromoform	ND		1.00	µg/L						
Bromomethane	ND		5.00	µg/L						
2-Butanone (Methyl Ethyl Ketone - MEK)	ND		5.00	µg/L						
n-Butylbenzene	ND		1.00	µg/L						
Carbon Disulfide	ND		1.00	µg/L						
Carbon Tetrachloride	ND		1.00	µg/L						
Chlorobenzene	ND		1.00	µg/L						
Chloroethane	ND		5.00	µg/L						
Chloroform	ND		1.00	µg/L						
Chloromethane	ND		5.00	µg/L						
Chloroprene	ND		1.00	µg/L						
2-Chlorotoluene	ND		1.00	µg/L						
4-Chlorotoluene	ND		1.00	µg/L						
1,2-Dibromo-3-Chloropropane	ND		5.00	µg/L						
Dibromochloromethane	ND		1.00	µg/L						
1,2-Dibromoethane (EDB)	ND		1.00	µg/L						
Dibromomethane	ND		1.00	µg/L						
cis-1,4-dichloro-2-butene	ND		1.00	µg/L						
t-1,4-Dichloro-2-Butene	ND		1.00	µg/L						
1,2-Dichlorobenzene	ND		1.00	µg/L						
1,3-Dichlorobenzene	ND		1.00	µg/L						
1,4-Dichlorobenzene	ND		1.00	µg/L						
Dichlorodifluoromethane (Freon 12)	ND		1.00	µg/L						
1,1-Dichloroethane	ND		1.00	µg/L						
1,2-Dichloroethane	ND		1.00	µg/L						
1,1-Dichloroethene	ND		1.00	µg/L						
c-1,2-Dichloroethene	ND		1.00	µg/L						
c-1,3-Dichloropropene	ND		1.00	µg/L						
t-1,2-Dichloroethene	ND		1.00	µg/L						
1,2-Dichloropropane	ND		1.00	µg/L						
1,3-Dichloropropane	ND		1.00	µg/L						
2,2-Dichloropropane	ND		1.00	µg/L						
1,1-Dichloropropene	ND		1.00	µg/L						
t-1,3-Dichloropropene	ND		1.00	µg/L						
Diethyl Ether	ND		5.00	µg/L						
Diisopropyl Ether (DIPE)	ND		1.00	µg/L						
Ethylbenzene	ND		1.00	µg/L						

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: B8K0014 (Continued)

Blank (B8K0014-BLK1)

Prepared & Analyzed: 11/13/2018

Ethyl Methacrylate	ND		5.00	µg/L						
Ethyl-tert-butyl-ether (ETBE)	ND		1.00	µg/L						
Hexachloro-1,3-Butadiene	ND		1.00	µg/L						
2-Hexanone	ND		5.00	µg/L						
Isopropylbenzene	ND		1.00	µg/L						
p-Isopropyltoluene	ND		1.00	µg/L						
Methacrylonitrile	ND		1.00	µg/L						
Methylene Chloride	ND		5.00	µg/L						
Methyl Methacrylate	ND		1.00	µg/L						
4-Methyl-2-Pentanone	ND		20.0	µg/L						
Methyl-t-Butyl Ether (MTBE)	ND		1.00	µg/L						
Naphthalene	ND		5.00	µg/L						
Propionitrile	ND		5.00	µg/L						
n-Propylbenzene	ND		1.00	µg/L						
sec-Butylbenzene	ND		1.00	µg/L						
Styrene	ND		1.00	µg/L						
Tert-amyl-Methyl Ether (TAME)	ND		1.00	µg/L						
Tert-Butyl Alcohol (TBA)	ND		25.0	µg/L						
tert-Butylbenzene	ND		1.00	µg/L						
1,1,1,2-Tetrachloroethane	ND		1.00	µg/L						
1,1,2,2-Tetrachloroethane	ND		1.00	µg/L						
Tetrachloroethene	ND		1.00	µg/L						
Tetrahydrofuran	ND		20.0	µg/L						
Toluene	ND		1.00	µg/L						
1,2,3-Trichlorobenzene	ND		1.00	µg/L						
1,2,4-Trichlorobenzene	ND		1.00	µg/L						
1,1,1-Trichloroethane	ND		1.00	µg/L						
1,1,2-Trichloroethane	ND		1.00	µg/L						
Trichloroethene	ND		1.00	µg/L						
Trichlorofluoromethane	ND		1.00	µg/L						
1,2,3-Trichloropropane	ND		1.00	µg/L						
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1.00	µg/L						
1,3,5-Trimethylbenzene	ND		1.00	µg/L						
1,2,4-Trimethylbenzene	ND		1.00	µg/L						
Vinyl Chloride	ND		1.00	µg/L						
o-Xylene	ND		1.00	µg/L						
p/m-Xylene	ND		2.00	µg/L						
Total Xylenes	ND		3.00	µg/L						
Total Trihalomethanes (TTHM)	ND		1.00	µg/L						
Surrogate: Dibromofluoromethane	49.5			µg/L	50.0		98.9	60-140		
Surrogate: 4-Bromofluorobenzene	50.0			µg/L	50.0		99.9	60-140		
Surrogate: 1,2-Dichloroethane-d4	49.2			µg/L	50.0		98.5	60-140		
Surrogate: Toluene-d8	49.7			µg/L	50.0		99.5	60-140		

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Project: ANCO 417 W. 164th St.
 Project Number: 417 W. 164th St.
 Project Manager: Charles Lindeman

Quality Control
 (Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8K0014 (Continued)										
LCS (B8K0014-BS1)										
Prepared & Analyzed: 11/13/2018										
Benzene	41.1		1.00	µg/L	40.0		103	70-130		
Bromobenzene	42.2		1.00	µg/L	40.0		106	70-130		
Bromodichloromethane	41.4		1.00	µg/L	40.0		104	70-130		
Bromoform	40.6		1.00	µg/L	40.0		101	70-130		
Chlorobenzene	41.0		1.00	µg/L	40.0		102	70-130		
Chloroethane	42.4		5.00	µg/L	40.0		106	70-130		
Chloroform	40.5		1.00	µg/L	40.0		101	70-130		
4-Chlorotoluene	41.4		1.00	µg/L	40.0		103	70-130		
Dibromomethane	41.9		1.00	µg/L	40.0		105	70-130		
1,2-Dichlorobenzene	40.9		1.00	µg/L	40.0		102	70-130		
1,1-Dichloroethene	42.2		1.00	µg/L	40.0		105	70-130		
1,2-Dichloropropane	41.4		1.00	µg/L	40.0		104	70-130		
2,2-Dichloropropane	45.8		1.00	µg/L	40.0		114	70-130		
1,1-Dichloropropene	41.4		1.00	µg/L	40.0		103	70-130		
Diethyl Ether	40.9		5.00	µg/L	40.0		102	70-130		
Diisopropyl Ether (DIPE)	40.8		1.00	µg/L	40.0		102	70-130		
Ethylbenzene	40.9		1.00	µg/L	40.0		102	70-130		
Hexachloro-1,3-Butadiene	42.3		1.00	µg/L	40.0		106	70-130		
Methylene Chloride	41.4		5.00	µg/L	40.0		103	70-130		
Methyl-t-Butyl Ether (MTBE)	41.8		1.00	µg/L	40.0		104	70-130		
Styrene	41.6		1.00	µg/L	40.0		104	70-130		
tert-Butylbenzene	40.3		1.00	µg/L	40.0		101	70-130		
Tetrachloroethene	41.0		1.00	µg/L	40.0		102	70-130		
Toluene	41.9		1.00	µg/L	40.0		105	70-130		
1,2,3-Trichlorobenzene	41.6		1.00	µg/L	40.0		104	70-130		
Trichloroethene	40.6		1.00	µg/L	40.0		102	70-130		
1,3,5-Trimethylbenzene	42.4		1.00	µg/L	40.0		106	70-130		
Vinyl Chloride	46.0		1.00	µg/L	40.0		115	70-130		
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Surrogate: Dibromofluoromethane	51.0			µg/L	50.0		102	60-140		
Surrogate: 4-Bromofluorobenzene	50.2			µg/L	50.0		100	60-140		
Surrogate: 1,2-Dichloroethane-d4	50.1			µg/L	50.0		100	60-140		
Surrogate: Toluene-d8	50.6			µg/L	50.0		101	60-140		

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8K0014 (Continued)										
LCS Dup (B8K0014-BSD1)										
Prepared & Analyzed: 11/13/2018										
Benzene	40.1		1.00	µg/L	40.0		100	70-130	2.34	20
Bromobenzene	40.9		1.00	µg/L	40.0		102	70-130	3.25	20
Bromodichloromethane	40.4		1.00	µg/L	40.0		101	70-130	2.59	20
Bromoform	40.3		1.00	µg/L	40.0		101	70-130	0.643	20
Chlorobenzene	40.6		1.00	µg/L	40.0		102	70-130	0.834	20
Chloroethane	41.5		5.00	µg/L	40.0		104	70-130	2.03	20
Chloroform	39.1		1.00	µg/L	40.0		97.7	70-130	3.59	20
4-Chlorotoluene	41.2		1.00	µg/L	40.0		103	70-130	0.388	20
Dibromomethane	40.1		1.00	µg/L	40.0		100	70-130	4.29	20
1,2-Dichlorobenzene	40.2		1.00	µg/L	40.0		101	70-130	1.60	20
1,1-Dichloroethene	40.8		1.00	µg/L	40.0		102	70-130	3.45	20
1,2-Dichloropropane	39.6		1.00	µg/L	40.0		99.1	70-130	4.44	20
2,2-Dichloropropane	43.2		1.00	µg/L	40.0		108	70-130	5.85	20
1,1-Dichloropropene	40.2		1.00	µg/L	40.0		100	70-130	2.99	20
Diethyl Ether	39.0		5.00	µg/L	40.0		97.4	70-130	4.96	20
Diisopropyl Ether (DIPE)	38.5		1.00	µg/L	40.0		96.2	70-130	5.76	20
Ethylbenzene	40.5		1.00	µg/L	40.0		101	70-130	1.08	20
Hexachloro-1,3-Butadiene	40.7		1.00	µg/L	40.0		102	70-130	3.73	20
Methylene Chloride	39.9		5.00	µg/L	40.0		99.8	70-130	3.62	20
Methyl-t-Butyl Ether (MTBE)	39.0		1.00	µg/L	40.0		97.4	70-130	6.96	20
Styrene	41.6		1.00	µg/L	40.0		104	70-130	0.120	20
tert-Butylbenzene	39.9		1.00	µg/L	40.0		99.7	70-130	0.923	20
Tetrachloroethene	41.3		1.00	µg/L	40.0		103	70-130	0.681	20
Toluene	40.4		1.00	µg/L	40.0		101	70-130	3.52	20
1,2,3-Trichlorobenzene	40.5		1.00	µg/L	40.0		101	70-130	2.71	20
Trichloroethene	38.7		1.00	µg/L	40.0		96.8	70-130	4.81	20
1,3,5-Trimethylbenzene	42.8		1.00	µg/L	40.0		107	70-130	0.985	20
Vinyl Chloride	43.2		1.00	µg/L	40.0		108	70-130	6.21	20
Surrogate: Dibromofluoromethane	49.2			µg/L	50.0		98.3	60-140		
Surrogate: 4-Bromofluorobenzene	50.6			µg/L	50.0		101	60-140		
Surrogate: 1,2-Dichloroethane-d4	48.3			µg/L	50.0		96.7	60-140		
Surrogate: Toluene-d8	49.3			µg/L	50.0		98.6	60-140		

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: B8K0016

Blank (B8K0016-BLK1)

Prepared & Analyzed: 11/15/2018

Acetone	ND		20.0	µg/L						
Acetonitrile	ND		20.0	µg/L						
Acrylonitrile	ND		5.00	µg/L						
Allyl Chloride	ND		1.00	µg/L						
Benzene	ND		1.00	µg/L						
Bromobenzene	ND		1.00	µg/L						
Bromochloromethane	ND		1.00	µg/L						
Bromodichloromethane	ND		1.00	µg/L						
Bromoform	ND		1.00	µg/L						
Bromomethane	ND		5.00	µg/L						
2-Butanone (Methyl Ethyl Ketone - MEK)	ND		5.00	µg/L						
n-Butylbenzene	ND		1.00	µg/L						
Carbon Disulfide	ND		1.00	µg/L						
Carbon Tetrachloride	ND		1.00	µg/L						
Chlorobenzene	ND		1.00	µg/L						
Chloroethane	ND		5.00	µg/L						
Chloroform	ND		1.00	µg/L						
Chloromethane	ND		5.00	µg/L						
Chloroprene	ND		1.00	µg/L						
2-Chlorotoluene	ND		1.00	µg/L						
4-Chlorotoluene	ND		1.00	µg/L						
1,2-Dibromo-3-Chloropropane	ND		5.00	µg/L						
Dibromochloromethane	ND		1.00	µg/L						
1,2-Dibromoethane (EDB)	ND		1.00	µg/L						
Dibromomethane	ND		1.00	µg/L						
cis-1,4-dichloro-2-butene	ND		1.00	µg/L						
t-1,4-Dichloro-2-Butene	ND		1.00	µg/L						
1,2-Dichlorobenzene	ND		1.00	µg/L						
1,3-Dichlorobenzene	ND		1.00	µg/L						
1,4-Dichlorobenzene	ND		1.00	µg/L						
Dichlorodifluoromethane (Freon 12)	ND		1.00	µg/L						
1,1-Dichloroethane	ND		1.00	µg/L						
1,2-Dichloroethane	ND		1.00	µg/L						
1,1-Dichloroethene	ND		1.00	µg/L						
c-1,2-Dichloroethene	ND		1.00	µg/L						
c-1,3-Dichloropropene	ND		1.00	µg/L						
t-1,2-Dichloroethene	ND		1.00	µg/L						
1,2-Dichloropropane	ND		1.00	µg/L						
1,3-Dichloropropane	ND		1.00	µg/L						
2,2-Dichloropropane	ND		1.00	µg/L						
1,1-Dichloropropene	ND		1.00	µg/L						
t-1,3-Dichloropropene	ND		1.00	µg/L						
Diethyl Ether	ND		5.00	µg/L						
Diisopropyl Ether (DIPE)	ND		1.00	µg/L						
Ethylbenzene	ND		1.00	µg/L						

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: B8K0016 (Continued)

Blank (B8K0016-BLK1)

Prepared & Analyzed: 11/15/2018

Ethyl Methacrylate	ND		5.00	µg/L						
Ethyl-tert-butyl-ether (ETBE)	ND		1.00	µg/L						
Hexachloro-1,3-Butadiene	ND		1.00	µg/L						
2-Hexanone	ND		5.00	µg/L						
Isopropylbenzene	ND		1.00	µg/L						
p-Isopropyltoluene	ND		1.00	µg/L						
Methacrylonitrile	ND		1.00	µg/L						
Methylene Chloride	ND		5.00	µg/L						
Methyl Methacrylate	ND		1.00	µg/L						
4-Methyl-2-Pentanone	ND		20.0	µg/L						
Methyl-t-Butyl Ether (MTBE)	ND		1.00	µg/L						
Naphthalene	ND		5.00	µg/L						
Propionitrile	ND		5.00	µg/L						
n-Propylbenzene	ND		1.00	µg/L						
sec-Butylbenzene	ND		1.00	µg/L						
Styrene	ND		1.00	µg/L						
Tert-amyl-Methyl Ether (TAME)	ND		1.00	µg/L						
Tert-Butyl Alcohol (TBA)	ND		25.0	µg/L						
tert-Butylbenzene	ND		1.00	µg/L						
1,1,1,2-Tetrachloroethane	ND		1.00	µg/L						
1,1,2,2-Tetrachloroethane	ND		1.00	µg/L						
Tetrachloroethene	ND		1.00	µg/L						
Tetrahydrofuran	ND		20.0	µg/L						
Toluene	ND		1.00	µg/L						
1,2,3-Trichlorobenzene	ND		1.00	µg/L						
1,2,4-Trichlorobenzene	ND		1.00	µg/L						
1,1,1-Trichloroethane	ND		1.00	µg/L						
1,1,2-Trichloroethane	ND		1.00	µg/L						
Trichloroethene	ND		1.00	µg/L						
Trichlorofluoromethane	ND		1.00	µg/L						
1,2,3-Trichloropropane	ND		1.00	µg/L						
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1.00	µg/L						
1,3,5-Trimethylbenzene	ND		1.00	µg/L						
1,2,4-Trimethylbenzene	ND		1.00	µg/L						
Vinyl Chloride	ND		1.00	µg/L						
o-Xylene	ND		1.00	µg/L						
p/m-Xylene	ND		2.00	µg/L						
Total Xylenes	ND		3.00	µg/L						
Total Trihalomethanes (TTHM)	ND		1.00	µg/L						
Surrogate: Dibromofluoromethane	50.1			µg/L	50.0		100	60-140		
Surrogate: 4-Bromofluorobenzene	50.9			µg/L	50.0		102	60-140		
Surrogate: 1,2-Dichloroethane-d4	52.6			µg/L	50.0		105	60-140		
Surrogate: Toluene-d8	50.7			µg/L	50.0		101	60-140		

Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8K0016 (Continued)										
LCS (B8K0016-BS1)										
Prepared & Analyzed: 11/15/2018										
Benzene	40.0		1.00	µg/L	40.0		99.9	70-130		
Bromobenzene	39.9		1.00	µg/L	40.0		99.8	70-130		
Bromodichloromethane	40.6		1.00	µg/L	40.0		102	70-130		
Bromoform	40.7		1.00	µg/L	40.0		102	70-130		
Chlorobenzene	40.8		1.00	µg/L	40.0		102	70-130		
Chloroethane	44.1		5.00	µg/L	40.0		110	70-130		
Chloroform	39.4		1.00	µg/L	40.0		98.4	70-130		
4-Chlorotoluene	41.2		1.00	µg/L	40.0		103	70-130		
Dibromomethane	41.5		1.00	µg/L	40.0		104	70-130		
1,2-Dichlorobenzene	39.5		1.00	µg/L	40.0		98.8	70-130		
1,1-Dichloroethene	42.5		1.00	µg/L	40.0		106	70-130		
1,2-Dichloropropane	41.5		1.00	µg/L	40.0		104	70-130		
2,2-Dichloropropane	41.3		1.00	µg/L	40.0		103	70-130		
1,1-Dichloropropene	40.4		1.00	µg/L	40.0		101	70-130		
Diethyl Ether	43.8		5.00	µg/L	40.0		109	70-130		
Diisopropyl Ether (DIPE)	42.7		1.00	µg/L	40.0		107	70-130		
Ethylbenzene	41.0		1.00	µg/L	40.0		102	70-130		
Hexachloro-1,3-Butadiene	41.9		1.00	µg/L	40.0		105	70-130		
Methylene Chloride	39.8		5.00	µg/L	40.0		99.4	70-130		
Methyl-t-Butyl Ether (MTBE)	40.4		1.00	µg/L	40.0		101	70-130		
Styrene	41.0		1.00	µg/L	40.0		102	70-130		
tert-Butylbenzene	39.7		1.00	µg/L	40.0		99.2	70-130		
Tetrachloroethene	40.6		1.00	µg/L	40.0		102	70-130		
Toluene	40.3		1.00	µg/L	40.0		101	70-130		
1,2,3-Trichlorobenzene	40.6		1.00	µg/L	40.0		101	70-130		
Trichloroethene	38.4		1.00	µg/L	40.0		96.0	70-130		
1,3,5-Trimethylbenzene	41.1		1.00	µg/L	40.0		103	70-130		
Vinyl Chloride	45.5		1.00	µg/L	40.0		114	70-130		
Surrogate: Dibromofluoromethane	50.7			µg/L	50.0		101	60-140		
Surrogate: 4-Bromofluorobenzene	51.4			µg/L	50.0		103	60-140		
Surrogate: 1,2-Dichloroethane-d4	52.7			µg/L	50.0		105	60-140		
Surrogate: Toluene-d8	50.4			µg/L	50.0		101	60-140		

Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8K0016 (Continued)										
LCS Dup (B8K0016-BSD1)										
Prepared & Analyzed: 11/15/2018										
Benzene	42.3		1.00	µg/L	40.0		106	70-130	5.59	20
Bromobenzene	41.7		1.00	µg/L	40.0		104	70-130	4.38	20
Bromodichloromethane	42.5		1.00	µg/L	40.0		106	70-130	4.55	20
Bromoform	41.7		1.00	µg/L	40.0		104	70-130	2.43	20
Chlorobenzene	41.4		1.00	µg/L	40.0		104	70-130	1.51	20
Chloroethane	45.9		5.00	µg/L	40.0		115	70-130	4.05	20
Chloroform	41.8		1.00	µg/L	40.0		105	70-130	6.11	20
4-Chlorotoluene	42.3		1.00	µg/L	40.0		106	70-130	2.49	20
Dibromomethane	42.7		1.00	µg/L	40.0		107	70-130	2.78	20
1,2-Dichlorobenzene	41.4		1.00	µg/L	40.0		104	70-130	4.74	20
1,1-Dichloroethene	44.9		1.00	µg/L	40.0		112	70-130	5.43	20
1,2-Dichloropropane	42.8		1.00	µg/L	40.0		107	70-130	2.92	20
2,2-Dichloropropane	43.5		1.00	µg/L	40.0		109	70-130	5.28	20
1,1-Dichloropropene	42.4		1.00	µg/L	40.0		106	70-130	4.78	20
Diethyl Ether	45.1		5.00	µg/L	40.0		113	70-130	2.99	20
Diisopropyl Ether (DIPE)	44.6		1.00	µg/L	40.0		112	70-130	4.44	20
Ethylbenzene	42.5		1.00	µg/L	40.0		106	70-130	3.66	20
Hexachloro-1,3-Butadiene	42.0		1.00	µg/L	40.0		105	70-130	0.215	20
Methylene Chloride	41.7		5.00	µg/L	40.0		104	70-130	4.76	20
Methyl-t-Butyl Ether (MTBE)	42.2		1.00	µg/L	40.0		106	70-130	4.48	20
Styrene	41.8		1.00	µg/L	40.0		104	70-130	1.93	20
tert-Butylbenzene	40.7		1.00	µg/L	40.0		102	70-130	2.54	20
Tetrachloroethene	42.1		1.00	µg/L	40.0		105	70-130	3.48	20
Toluene	42.5		1.00	µg/L	40.0		106	70-130	5.29	20
1,2,3-Trichlorobenzene	42.2		1.00	µg/L	40.0		105	70-130	3.89	20
Trichloroethene	40.9		1.00	µg/L	40.0		102	70-130	6.23	20
1,3,5-Trimethylbenzene	42.9		1.00	µg/L	40.0		107	70-130	4.26	20
Vinyl Chloride	47.3		1.00	µg/L	40.0		118	70-130	3.92	20
<hr/>										
Surrogate: Dibromofluoromethane	50.7			µg/L	50.0		101	60-140		
Surrogate: 4-Bromofluorobenzene	51.1			µg/L	50.0		102	60-140		
Surrogate: 1,2-Dichloroethane-d4	53.2			µg/L	50.0		106	60-140		
Surrogate: Toluene-d8	50.4			µg/L	50.0		101	60-140		

Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Notes and Definitions

Item	Definition
Dry	Sample results reported on a dry weight basis.
ND	Analyte NOT DETECTED at or above the reporting limit.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.
(R)	Re-run for dilution or confirmation.

CHAIN-OF-CUSTODY

REQUESTED ANALYSIS

page 1 of 2
PAL WO#: P811009

Client Name Address		Logmaster Env. Con. #210 5500 E. Thurston St Long Beach, CA 90815	
Project Manager		Charles Lindeman	
Email		Charles.Lindeman@logmaster.com	
Phone		562-799-9566	
Project Name/Number		APCC 417 W. 164th	
P.O. Number			
Sampled By		Michele DeRego	
Client Sample ID / Description	Sample Date	Sample Time	Sample Matrix*
1 MW-9B	11/12	1324	GW
2 MW-9A		1300	
3 MW-11B		1204	
4 MW-11A		1058	
5 MW-12C		1108	
6 OW-4C		0928	
7 OW-4A		840	
8 OW-4B		0906	
9 OW-4D		0752	
10 MW-9C		1408	
PAL Containers used: Yes No			
Type of Ice used: Wet Blue None			
Sample Preservative: Yes No			
TAT Needed (circle one)		RUSH	
EDD Required - Circle one:		24 48 72	
Type of EDD: EDD		Yes No	
Receipt Temp./Initials: -14°C MW			
(Temp recorded is not corrected)			
Signature:		Michele DeRego	
Print:		Michele DeRego	
Company:		Logmaster	
Signature:		Michele DeRego	
Print:		Michele DeRego	
Company:		Logmaster	
Signature:		Michele DeRego	
Print:		Michele DeRego	
Company:		Logmaster	

*Matrix Codes: (S = Solids); (P = Product); (SED = Sediment); (FW = Freshwater); (MW = Wastewater); (STRMW = Stormwater); (W = Other Water); (O = Other)
 **Container Code: (V = VOA); (P = Poly); (G = Glass); (L = Sleeve); (J = Jar)
 **Preservation Code: (H = HCl); (N = HNO3); (S = H2SO4); (O = NaOH); (Z = Zinc Acetate)

SAMPLE RECEIPT FORM

WORK ORDER ID
P811009

Client Leymaster
 Courier CLIENT PALI OTHER _____ FEDEX UPS Tracking # _____

Cooler 1 OF 1
 Date Received: 11/12/18

TEMPERATURE: Criteria 0.0°C - 6.0°C

Cooler ID	Temperature Reading	Temperature w/o CF (°C)	Correction Factor (CF) (°C)	Temperature with CF (°C)	Thermometer ID
	<input type="radio"/> Blank <input type="radio"/> Sample	<u>-1.4</u>	<u>0.0</u>	<u>-1.4</u>	<u>Tm-12</u>

WET ICE BLUE ICE AMBIENT OTHER _____
 Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

CUSTODY SEALS

Cooler Seal Present and Intact Present and **NOT** Intact Seals signed and dated Not Present
 Sample Seal Present and Intact Present and **NOT** Intact Seals signed and dated Not Present

CLIENT COC

INCLUDED NOT INCLUDED Complete Incomplete, See Notes/ Discrepancy Form

SAMPLE MATRIX

SOLID LIQUID AIR OTHER

SAMPLE CONDITION

	YES	NO	N/A
All sample containers received intact and in good condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All samples listed on COC(s) are present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All sample info on containers are consistent with sample info on COC(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Correct containers for analyses requested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sufficient volume for analyses requested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper preservation chemical(s) noted on COC and/or sample container	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All samples received within method holding time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Volatile analysis containers free of headspace larger than 6mm	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NOTES

mw 11/12/18 _____
 Initials Date Initials Date

November 19, 2018

Leymaster Environmental Consulting, LLC

5500 E. Atherton Street, Suite 210

Long Beach, CA 90815

Re: ANCO 417 W. 164th St.

Project No. : 417 W. 164th St.

Work Order: P811010

Dear Charles Lindeman

Enclosed are the results of analyses for samples received by our laboratory on 11/13/2018. The contents of this report apply to the sample(s) analyzed in accordance with the chain-of-custody document supplied with the sample(s).

No duplication of this report is allowed, except in its entirety. Please do not hesitate to call if you have any questions and thank you very much for using Performance Analytical Laboratories for your analytical needs.

Regards,



Marycarol Valenzuela
Project Manager

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Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Samples in this Report

Lab ID	Sample	Qualifier	Matrix	Date Sampled	Date Received
P811010-01	MW-6		Water	11/13/2018	11/13/2018
P811010-02	MW-5		Water	11/13/2018	11/13/2018
P811010-03	MW-8		Water	11/13/2018	11/13/2018
P811010-04	MW-1		Water	11/13/2018	11/13/2018
P811010-05	MW-3		Water	11/13/2018	11/13/2018
P811010-06	MW-2		Water	11/13/2018	11/13/2018
P811010-07	MW-4		Water	11/13/2018	11/13/2018

Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-6

P811010-01 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0016)							
Acetone	36.0	µg/L	1	20.0	11/15/2018	EPA 8260B	
Acetonitrile	ND	µg/L	1	20.0	11/15/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Benzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Bromobenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Bromoform	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Bromomethane	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	7.97	µg/L	1	5.00	11/15/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Chloroethane	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Chloroform	2.59	µg/L	1	1.00	11/15/2018	EPA 8260B	
Chloromethane	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Chloroprene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Dibromomethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,1-Dichloroethane	15.4	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2-Dichloroethane	3.19	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,1-Dichloroethene	4.55	µg/L	1	1.00	11/15/2018	EPA 8260B	
c-1,2-Dichloroethene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-6 (Continued)

P811010-01 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
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Volatile Organic Compounds (Batch ID: B8K0016) (Continued)

c-1,3-Dichloropropene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
t-1,2-Dichloroethene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
2-Hexanone	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	1	20.0	11/15/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Naphthalene	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Propionitrile	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Styrene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	1	25.0	11/15/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Tetrachloroethene	14.1	µg/L	1	1.00	11/15/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	1	20.0	11/15/2018	EPA 8260B	
Toluene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-6 (Continued)

P811010-01 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0016) (Continued)							
1,1,1-Trichloroethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Trichloroethene	60.4	µg/L	1	1.00	11/15/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
o-Xylene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	1	2.00	11/15/2018	EPA 8260B	
Total Xylenes	ND	µg/L	1	3.00	11/15/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	2.59	µg/L	1	1.00	11/15/2018	EPA 8260B	

Surrogate: Dibromofluoromethane	100%			60-140	11/15/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	98.5%			60-140	11/15/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	107%			60-140	11/15/2018	EPA 8260B	
Surrogate: Toluene-d8	98.4%			60-140	11/15/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-5

P811010-02 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
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Volatile Organic Compounds (Batch ID: B8K0016)

Acetone	82.8	µg/L	1	20.0	11/15/2018	EPA 8260B	
Acetonitrile	ND	µg/L	1	20.0	11/15/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Benzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Bromobenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Bromoform	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Bromomethane	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	20.4	µg/L	1	5.00	11/15/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Chloroethane	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Chloroform	1.11	µg/L	1	1.00	11/15/2018	EPA 8260B	
Chloromethane	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Chloroprene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Dibromomethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,1-Dichloroethene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
c-1,2-Dichloroethene	3.20	µg/L	1	1.00	11/15/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-5 (Continued)

P811010-02 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0016) (Continued)							
c-1,3-Dichloropropene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
t-1,2-Dichloroethene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
2-Hexanone	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	1	20.0	11/15/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Naphthalene	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Propionitrile	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Styrene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	1	25.0	11/15/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Tetrachloroethene	27.6	µg/L	1	1.00	11/15/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	1	20.0	11/15/2018	EPA 8260B	
Toluene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-5 (Continued)

P811010-02 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0016) (Continued)							
1,1,1-Trichloroethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Trichloroethene	120	µg/L	1	1.00	11/15/2018	EPA 8260B	
Trichlorofluoromethane	2.30	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
o-Xylene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	1	2.00	11/15/2018	EPA 8260B	
Total Xylenes	ND	µg/L	1	3.00	11/15/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	1.11	µg/L	1	1.00	11/15/2018	EPA 8260B	

Surrogate: Dibromofluoromethane	99.4%			60-140	11/15/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	101%			60-140	11/15/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	107%			60-140	11/15/2018	EPA 8260B	
Surrogate: Toluene-d8	101%			60-140	11/15/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-8

P811010-03 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
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Volatile Organic Compounds (Batch ID: B8K0016)

Acetone	30.5	µg/L	1	20.0	11/15/2018	EPA 8260B	
Acetonitrile	ND	µg/L	1	20.0	11/15/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Benzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Bromobenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Bromoform	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Bromomethane	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	5.30	µg/L	1	5.00	11/15/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Chloroethane	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Chloroform	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Chloromethane	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Chloroprene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Dibromomethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,1-Dichloroethene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
c-1,2-Dichloroethene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-8 (Continued)

P811010-03 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0016) (Continued)							
c-1,3-Dichloropropene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
t-1,2-Dichloroethene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
2-Hexanone	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	1	20.0	11/15/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Naphthalene	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
Propionitrile	ND	µg/L	1	5.00	11/15/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Styrene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	1	25.0	11/15/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Tetrachloroethene	8.79	µg/L	1	1.00	11/15/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	1	20.0	11/15/2018	EPA 8260B	
Toluene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-8 (Continued)

P811010-03 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0016) (Continued)							
1,1,1-Trichloroethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Trichloroethene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
o-Xylene	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	1	2.00	11/15/2018	EPA 8260B	
Total Xylenes	ND	µg/L	1	3.00	11/15/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	1	1.00	11/15/2018	EPA 8260B	

Surrogate: Dibromofluoromethane	99.6%			60-140	11/15/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	99.3%			60-140	11/15/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	109%			60-140	11/15/2018	EPA 8260B	
Surrogate: Toluene-d8	101%			60-140	11/15/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-1

P811010-04 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018)							
Acetone	ND	µg/L	1	20.0	11/16/2018	EPA 8260B	
Acetonitrile	ND	µg/L	1	20.0	11/16/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Benzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromoform	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromomethane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Chloroethane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Chloroform	3.51	µg/L	1	1.00	11/16/2018	EPA 8260B	
Chloromethane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Chloroprene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Dibromomethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1-Dichloroethane	1.61	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1-Dichloroethene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
c-1,2-Dichloroethene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-1 (Continued)

P811010-04 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018) (Continued)							
c-1,3-Dichloropropene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
t-1,2-Dichloroethene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
2-Hexanone	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	1	20.0	11/16/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Naphthalene	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Propionitrile	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Styrene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	1	25.0	11/16/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,1,2,2-Tetrachloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tetrachloroethene	2.68	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	1	20.0	11/16/2018	EPA 8260B	
Toluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-1 (Continued)

P811010-04 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018) (Continued)							
1,1,1-Trichloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Trichloroethene	16.2	µg/L	1	1.00	11/16/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
o-Xylene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	1	2.00	11/16/2018	EPA 8260B	
Total Xylenes	ND	µg/L	1	3.00	11/16/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	3.51	µg/L	1	1.00	11/16/2018	EPA 8260B	

Surrogate: Dibromofluoromethane	89.1%			60-140	11/16/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	96.0%			60-140	11/16/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	101%			60-140	11/16/2018	EPA 8260B	
Surrogate: Toluene-d8	89.6%			60-140	11/16/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-3

P811010-05 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018)							
Acetone	22.5	µg/L	1	20.0	11/16/2018	EPA 8260B	
Acetonitrile	ND	µg/L	1	20.0	11/16/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Benzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromoform	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromomethane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Chloroethane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Chloroform	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Chloromethane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Chloroprene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Dibromomethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1-Dichloroethene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
c-1,2-Dichloroethene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
c-1,3-Dichloropropene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-3 (Continued)

P811010-05 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018) (Continued)							
t-1,2-Dichloroethene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
2-Hexanone	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	1	20.0	11/16/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Naphthalene	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Propionitrile	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Styrene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	1	25.0	11/16/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tetrachloroethene	1.37	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	1	20.0	11/16/2018	EPA 8260B	
Toluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,1-Trichloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-3 (Continued)

P811010-05 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018) (Continued)							
1,1,2-Trichloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Trichloroethene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
o-Xylene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	1	2.00	11/16/2018	EPA 8260B	
Total Xylenes	ND	µg/L	1	3.00	11/16/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
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Surrogate: Dibromofluoromethane	90.9%			60-140	11/16/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	95.3%			60-140	11/16/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	106%			60-140	11/16/2018	EPA 8260B	
Surrogate: Toluene-d8	91.3%			60-140	11/16/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-2

P811010-06 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018)							
Acetone	ND	µg/L	1	20.0	11/16/2018	EPA 8260B	
Acetonitrile	ND	µg/L	1	20.0	11/16/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Benzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromoform	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromomethane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Chloroethane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Chloroform	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Chloromethane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Chloroprene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Dibromomethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1-Dichloroethene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
c-1,2-Dichloroethene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
c-1,3-Dichloropropene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-2 (Continued)

P811010-06 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018) (Continued)							
t-1,2-Dichloroethene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
2-Hexanone	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	1	20.0	11/16/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Naphthalene	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Propionitrile	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Styrene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	1	25.0	11/16/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,1,2,2-Tetrachloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tetrachloroethene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	1	20.0	11/16/2018	EPA 8260B	
Toluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,1-Trichloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-2 (Continued)

P811010-06 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018) (Continued)							
1,1,2-Trichloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Trichloroethene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
o-Xylene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	1	2.00	11/16/2018	EPA 8260B	
Total Xylenes	ND	µg/L	1	3.00	11/16/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	

Surrogate: Dibromofluoromethane	89.4%			60-140	11/16/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	94.7%			60-140	11/16/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	105%			60-140	11/16/2018	EPA 8260B	
Surrogate: Toluene-d8	90.4%			60-140	11/16/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-4

P811010-07 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018)							
Acetone	60.1	µg/L	1	20.0	11/16/2018	EPA 8260B	
Acetonitrile	ND	µg/L	1	20.0	11/16/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Benzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromoform	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromomethane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	13.8	µg/L	1	5.00	11/16/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Chloroethane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Chloroform	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Chloromethane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Chloroprene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Dibromomethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1-Dichloroethene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
c-1,2-Dichloroethene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-4 (Continued)

P811010-07 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018) (Continued)							
c-1,3-Dichloropropene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
t-1,2-Dichloroethene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
2-Hexanone	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	1	20.0	11/16/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Naphthalene	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Propionitrile	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Styrene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	1	25.0	11/16/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,1,2,2-Tetrachloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tetrachloroethene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	1	20.0	11/16/2018	EPA 8260B	
Toluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-4 (Continued)

P811010-07 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018) (Continued)							
1,1,1-Trichloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Trichloroethene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
o-Xylene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	1	2.00	11/16/2018	EPA 8260B	
Total Xylenes	ND	µg/L	1	3.00	11/16/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	

Surrogate: Dibromofluoromethane	91.3%			60-140	11/16/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	95.3%			60-140	11/16/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	104%			60-140	11/16/2018	EPA 8260B	
Surrogate: Toluene-d8	90.4%			60-140	11/16/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Quality Control

Volatile Organic Compounds

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: B8K0016

Blank (B8K0016-BLK1)

Prepared & Analyzed: 11/15/2018

Acetone	ND		20.0	µg/L						
Acetonitrile	ND		20.0	µg/L						
Acrylonitrile	ND		5.00	µg/L						
Allyl Chloride	ND		1.00	µg/L						
Benzene	ND		1.00	µg/L						
Bromobenzene	ND		1.00	µg/L						
Bromochloromethane	ND		1.00	µg/L						
Bromodichloromethane	ND		1.00	µg/L						
Bromoform	ND		1.00	µg/L						
Bromomethane	ND		5.00	µg/L						
2-Butanone (Methyl Ethyl Ketone - MEK)	ND		5.00	µg/L						
n-Butylbenzene	ND		1.00	µg/L						
Carbon Disulfide	ND		1.00	µg/L						
Carbon Tetrachloride	ND		1.00	µg/L						
Chlorobenzene	ND		1.00	µg/L						
Chloroethane	ND		5.00	µg/L						
Chloroform	ND		1.00	µg/L						
Chloromethane	ND		5.00	µg/L						
Chloroprene	ND		1.00	µg/L						
2-Chlorotoluene	ND		1.00	µg/L						
4-Chlorotoluene	ND		1.00	µg/L						
1,2-Dibromo-3-Chloropropane	ND		5.00	µg/L						
Dibromochloromethane	ND		1.00	µg/L						
1,2-Dibromoethane (EDB)	ND		1.00	µg/L						
Dibromomethane	ND		1.00	µg/L						
cis-1,4-dichloro-2-butene	ND		1.00	µg/L						
t-1,4-Dichloro-2-Butene	ND		1.00	µg/L						
1,2-Dichlorobenzene	ND		1.00	µg/L						
1,3-Dichlorobenzene	ND		1.00	µg/L						
1,4-Dichlorobenzene	ND		1.00	µg/L						
Dichlorodifluoromethane (Freon 12)	ND		1.00	µg/L						
1,1-Dichloroethane	ND		1.00	µg/L						
1,2-Dichloroethane	ND		1.00	µg/L						
1,1-Dichloroethene	ND		1.00	µg/L						
c-1,2-Dichloroethene	ND		1.00	µg/L						
c-1,3-Dichloropropene	ND		1.00	µg/L						
t-1,2-Dichloroethene	ND		1.00	µg/L						
1,2-Dichloropropane	ND		1.00	µg/L						
1,3-Dichloropropane	ND		1.00	µg/L						
2,2-Dichloropropane	ND		1.00	µg/L						
1,1-Dichloropropene	ND		1.00	µg/L						
t-1,3-Dichloropropene	ND		1.00	µg/L						
Diethyl Ether	ND		5.00	µg/L						
Diisopropyl Ether (DIPE)	ND		1.00	µg/L						
Ethylbenzene	ND		1.00	µg/L						

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: B8K0016 (Continued)

Blank (B8K0016-BLK1)

Prepared & Analyzed: 11/15/2018

Ethyl Methacrylate	ND		5.00	µg/L						
Ethyl-tert-butyl-ether (ETBE)	ND		1.00	µg/L						
Hexachloro-1,3-Butadiene	ND		1.00	µg/L						
2-Hexanone	ND		5.00	µg/L						
Isopropylbenzene	ND		1.00	µg/L						
p-Isopropyltoluene	ND		1.00	µg/L						
Methacrylonitrile	ND		1.00	µg/L						
Methylene Chloride	ND		5.00	µg/L						
Methyl Methacrylate	ND		1.00	µg/L						
4-Methyl-2-Pentanone	ND		20.0	µg/L						
Methyl-t-Butyl Ether (MTBE)	ND		1.00	µg/L						
Naphthalene	ND		5.00	µg/L						
Propionitrile	ND		5.00	µg/L						
n-Propylbenzene	ND		1.00	µg/L						
sec-Butylbenzene	ND		1.00	µg/L						
Styrene	ND		1.00	µg/L						
Tert-amyl-Methyl Ether (TAME)	ND		1.00	µg/L						
Tert-Butyl Alcohol (TBA)	ND		25.0	µg/L						
tert-Butylbenzene	ND		1.00	µg/L						
1,1,1,2-Tetrachloroethane	ND		1.00	µg/L						
1,1,2,2-Tetrachloroethane	ND		1.00	µg/L						
Tetrachloroethene	ND		1.00	µg/L						
Tetrahydrofuran	ND		20.0	µg/L						
Toluene	ND		1.00	µg/L						
1,2,3-Trichlorobenzene	ND		1.00	µg/L						
1,2,4-Trichlorobenzene	ND		1.00	µg/L						
1,1,1-Trichloroethane	ND		1.00	µg/L						
1,1,2-Trichloroethane	ND		1.00	µg/L						
Trichloroethene	ND		1.00	µg/L						
Trichlorofluoromethane	ND		1.00	µg/L						
1,2,3-Trichloropropane	ND		1.00	µg/L						
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1.00	µg/L						
1,3,5-Trimethylbenzene	ND		1.00	µg/L						
1,2,4-Trimethylbenzene	ND		1.00	µg/L						
Vinyl Chloride	ND		1.00	µg/L						
o-Xylene	ND		1.00	µg/L						
p/m-Xylene	ND		2.00	µg/L						
Total Xylenes	ND		3.00	µg/L						
Total Trihalomethanes (TTHM)	ND		1.00	µg/L						
Surrogate: Dibromofluoromethane	50.1			µg/L	50.0		100	60-140		
Surrogate: 4-Bromofluorobenzene	50.9			µg/L	50.0		102	60-140		
Surrogate: 1,2-Dichloroethane-d4	52.6			µg/L	50.0		105	60-140		
Surrogate: Toluene-d8	50.7			µg/L	50.0		101	60-140		

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8K0016 (Continued)										
LCS (B8K0016-BS1)										
Prepared & Analyzed: 11/15/2018										
Benzene	40.0		1.00	µg/L	40.0		99.9	70-130		
Bromobenzene	39.9		1.00	µg/L	40.0		99.8	70-130		
Bromodichloromethane	40.6		1.00	µg/L	40.0		102	70-130		
Bromoform	40.7		1.00	µg/L	40.0		102	70-130		
Chlorobenzene	40.8		1.00	µg/L	40.0		102	70-130		
Chloroethane	44.1		5.00	µg/L	40.0		110	70-130		
Chloroform	39.4		1.00	µg/L	40.0		98.4	70-130		
4-Chlorotoluene	41.2		1.00	µg/L	40.0		103	70-130		
Dibromomethane	41.5		1.00	µg/L	40.0		104	70-130		
1,2-Dichlorobenzene	39.5		1.00	µg/L	40.0		98.8	70-130		
1,1-Dichloroethene	42.5		1.00	µg/L	40.0		106	70-130		
1,2-Dichloropropane	41.5		1.00	µg/L	40.0		104	70-130		
2,2-Dichloropropane	41.3		1.00	µg/L	40.0		103	70-130		
1,1-Dichloropropene	40.4		1.00	µg/L	40.0		101	70-130		
Diethyl Ether	43.8		5.00	µg/L	40.0		109	70-130		
Diisopropyl Ether (DIPE)	42.7		1.00	µg/L	40.0		107	70-130		
Ethylbenzene	41.0		1.00	µg/L	40.0		102	70-130		
Hexachloro-1,3-Butadiene	41.9		1.00	µg/L	40.0		105	70-130		
Methylene Chloride	39.8		5.00	µg/L	40.0		99.4	70-130		
Methyl-t-Butyl Ether (MTBE)	40.4		1.00	µg/L	40.0		101	70-130		
Styrene	41.0		1.00	µg/L	40.0		102	70-130		
tert-Butylbenzene	39.7		1.00	µg/L	40.0		99.2	70-130		
Tetrachloroethene	40.6		1.00	µg/L	40.0		102	70-130		
Toluene	40.3		1.00	µg/L	40.0		101	70-130		
1,2,3-Trichlorobenzene	40.6		1.00	µg/L	40.0		101	70-130		
Trichloroethene	38.4		1.00	µg/L	40.0		96.0	70-130		
1,3,5-Trimethylbenzene	41.1		1.00	µg/L	40.0		103	70-130		
Vinyl Chloride	45.5		1.00	µg/L	40.0		114	70-130		
Surrogate: Dibromofluoromethane	50.7			µg/L	50.0		101	60-140		
Surrogate: 4-Bromofluorobenzene	51.4			µg/L	50.0		103	60-140		
Surrogate: 1,2-Dichloroethane-d4	52.7			µg/L	50.0		105	60-140		
Surrogate: Toluene-d8	50.4			µg/L	50.0		101	60-140		

Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8K0016 (Continued)										
LCS Dup (B8K0016-BSD1)										
Prepared & Analyzed: 11/15/2018										
Benzene	42.3		1.00	µg/L	40.0		106	70-130	5.59	20
Bromobenzene	41.7		1.00	µg/L	40.0		104	70-130	4.38	20
Bromodichloromethane	42.5		1.00	µg/L	40.0		106	70-130	4.55	20
Bromoform	41.7		1.00	µg/L	40.0		104	70-130	2.43	20
Chlorobenzene	41.4		1.00	µg/L	40.0		104	70-130	1.51	20
Chloroethane	45.9		5.00	µg/L	40.0		115	70-130	4.05	20
Chloroform	41.8		1.00	µg/L	40.0		105	70-130	6.11	20
4-Chlorotoluene	42.3		1.00	µg/L	40.0		106	70-130	2.49	20
Dibromomethane	42.7		1.00	µg/L	40.0		107	70-130	2.78	20
1,2-Dichlorobenzene	41.4		1.00	µg/L	40.0		104	70-130	4.74	20
1,1-Dichloroethene	44.9		1.00	µg/L	40.0		112	70-130	5.43	20
1,2-Dichloropropane	42.8		1.00	µg/L	40.0		107	70-130	2.92	20
2,2-Dichloropropane	43.5		1.00	µg/L	40.0		109	70-130	5.28	20
1,1-Dichloropropene	42.4		1.00	µg/L	40.0		106	70-130	4.78	20
Diethyl Ether	45.1		5.00	µg/L	40.0		113	70-130	2.99	20
Diisopropyl Ether (DIPE)	44.6		1.00	µg/L	40.0		112	70-130	4.44	20
Ethylbenzene	42.5		1.00	µg/L	40.0		106	70-130	3.66	20
Hexachloro-1,3-Butadiene	42.0		1.00	µg/L	40.0		105	70-130	0.215	20
Methylene Chloride	41.7		5.00	µg/L	40.0		104	70-130	4.76	20
Methyl-t-Butyl Ether (MTBE)	42.2		1.00	µg/L	40.0		106	70-130	4.48	20
Styrene	41.8		1.00	µg/L	40.0		104	70-130	1.93	20
tert-Butylbenzene	40.7		1.00	µg/L	40.0		102	70-130	2.54	20
Tetrachloroethene	42.1		1.00	µg/L	40.0		105	70-130	3.48	20
Toluene	42.5		1.00	µg/L	40.0		106	70-130	5.29	20
1,2,3-Trichlorobenzene	42.2		1.00	µg/L	40.0		105	70-130	3.89	20
Trichloroethene	40.9		1.00	µg/L	40.0		102	70-130	6.23	20
1,3,5-Trimethylbenzene	42.9		1.00	µg/L	40.0		107	70-130	4.26	20
Vinyl Chloride	47.3		1.00	µg/L	40.0		118	70-130	3.92	20
Surrogate: Dibromofluoromethane	50.7			µg/L	50.0		101	60-140		
Surrogate: 4-Bromofluorobenzene	51.1			µg/L	50.0		102	60-140		
Surrogate: 1,2-Dichloroethane-d4	53.2			µg/L	50.0		106	60-140		
Surrogate: Toluene-d8	50.4			µg/L	50.0		101	60-140		

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: B8K0018

Blank (B8K0018-BLK1)

Prepared & Analyzed: 11/16/2018

Acetone	ND		20.0	µg/L						
Acetonitrile	ND		20.0	µg/L						
Acrylonitrile	ND		5.00	µg/L						
Allyl Chloride	ND		1.00	µg/L						
Benzene	ND		1.00	µg/L						
Bromobenzene	ND		1.00	µg/L						
Bromochloromethane	ND		1.00	µg/L						
Bromodichloromethane	ND		1.00	µg/L						
Bromoform	ND		1.00	µg/L						
Bromomethane	ND		5.00	µg/L						
2-Butanone (Methyl Ethyl Ketone - MEK)	ND		5.00	µg/L						
n-Butylbenzene	ND		1.00	µg/L						
Carbon Disulfide	ND		1.00	µg/L						
Carbon Tetrachloride	ND		1.00	µg/L						
Chlorobenzene	ND		1.00	µg/L						
Chloroethane	ND		5.00	µg/L						
Chloroform	ND		1.00	µg/L						
Chloromethane	ND		5.00	µg/L						
Chloroprene	ND		1.00	µg/L						
2-Chlorotoluene	ND		1.00	µg/L						
4-Chlorotoluene	ND		1.00	µg/L						
1,2-Dibromo-3-Chloropropane	ND		5.00	µg/L						
Dibromochloromethane	ND		1.00	µg/L						
1,2-Dibromoethane (EDB)	ND		1.00	µg/L						
Dibromomethane	ND		1.00	µg/L						
cis-1,4-dichloro-2-butene	ND		1.00	µg/L						
t-1,4-Dichloro-2-Butene	ND		1.00	µg/L						
1,2-Dichlorobenzene	ND		1.00	µg/L						
1,3-Dichlorobenzene	ND		1.00	µg/L						
1,4-Dichlorobenzene	ND		1.00	µg/L						
Dichlorodifluoromethane (Freon 12)	ND		1.00	µg/L						
1,1-Dichloroethane	ND		1.00	µg/L						
1,2-Dichloroethane	ND		1.00	µg/L						
1,1-Dichloroethene	ND		1.00	µg/L						
c-1,2-Dichloroethene	ND		1.00	µg/L						
c-1,3-Dichloropropene	ND		1.00	µg/L						
t-1,2-Dichloroethene	ND		1.00	µg/L						
1,2-Dichloropropane	ND		1.00	µg/L						
1,3-Dichloropropane	ND		1.00	µg/L						
2,2-Dichloropropane	ND		1.00	µg/L						
1,1-Dichloropropene	ND		1.00	µg/L						
t-1,3-Dichloropropene	ND		1.00	µg/L						
Diethyl Ether	ND		5.00	µg/L						
Diisopropyl Ether (DIPE)	ND		1.00	µg/L						
Ethylbenzene	ND		1.00	µg/L						

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Project: ANCO 417 W. 164th St.
 Project Number: 417 W. 164th St.
 Project Manager: Charles Lindeman

Quality Control
 (Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: B8K0018 (Continued)

Blank (B8K0018-BLK1)

Prepared & Analyzed: 11/16/2018

Ethyl Methacrylate	ND		5.00	µg/L						
Ethyl-tert-butyl-ether (ETBE)	ND		1.00	µg/L						
Hexachloro-1,3-Butadiene	ND		1.00	µg/L						
2-Hexanone	ND		5.00	µg/L						
Isopropylbenzene	ND		1.00	µg/L						
p-Isopropyltoluene	ND		1.00	µg/L						
Methacrylonitrile	ND		1.00	µg/L						
Methylene Chloride	ND		5.00	µg/L						
Methyl Methacrylate	ND		1.00	µg/L						
4-Methyl-2-Pentanone	ND		20.0	µg/L						
Methyl-t-Butyl Ether (MTBE)	ND		1.00	µg/L						
Naphthalene	ND		5.00	µg/L						
Propionitrile	ND		5.00	µg/L						
n-Propylbenzene	ND		1.00	µg/L						
sec-Butylbenzene	ND		1.00	µg/L						
Styrene	ND		1.00	µg/L						
Tert-amyl-Methyl Ether (TAME)	ND		1.00	µg/L						
Tert-Butyl Alcohol (TBA)	ND		25.0	µg/L						
tert-Butylbenzene	ND		1.00	µg/L						
1,1,1,2-Tetrachloroethane	ND		1.00	µg/L						
1,1,2,2-Tetrachloroethane	ND		1.00	µg/L						
Tetrachloroethene	ND		1.00	µg/L						
Tetrahydrofuran	ND		20.0	µg/L						
Toluene	ND		1.00	µg/L						
1,2,3-Trichlorobenzene	ND		1.00	µg/L						
1,2,4-Trichlorobenzene	ND		1.00	µg/L						
1,1,1-Trichloroethane	ND		1.00	µg/L						
1,1,2-Trichloroethane	ND		1.00	µg/L						
Trichloroethene	ND		1.00	µg/L						
Trichlorofluoromethane	ND		1.00	µg/L						
1,2,3-Trichloropropane	ND		1.00	µg/L						
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1.00	µg/L						
1,3,5-Trimethylbenzene	ND		1.00	µg/L						
1,2,4-Trimethylbenzene	ND		1.00	µg/L						
Vinyl Chloride	ND		1.00	µg/L						
o-Xylene	ND		1.00	µg/L						
p/m-Xylene	ND		2.00	µg/L						
Total Xylenes	ND		3.00	µg/L						
Total Trihalomethanes (TTHM)	ND		1.00	µg/L						
Surrogate: Dibromofluoromethane	44.7			µg/L	50.0		89.5	60-140		
Surrogate: 4-Bromofluorobenzene	47.2			µg/L	50.0		94.3	60-140		
Surrogate: 1,2-Dichloroethane-d4	52.0			µg/L	50.0		104	60-140		
Surrogate: Toluene-d8	46.0			µg/L	50.0		91.9	60-140		

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8K0018 (Continued)										
LCS (B8K0018-BS1)										
Prepared & Analyzed: 11/16/2018										
Benzene	40.5		1.00	µg/L	40.0		101	70-130		
Bromobenzene	37.9		1.00	µg/L	40.0		94.7	70-130		
Bromodichloromethane	43.2		1.00	µg/L	40.0		108	70-130		
Bromoform	41.4		1.00	µg/L	40.0		103	70-130		
Chlorobenzene	41.1		1.00	µg/L	40.0		103	70-130		
Chloroethane	42.5		5.00	µg/L	40.0		106	70-130		
Chloroform	40.3		1.00	µg/L	40.0		101	70-130		
4-Chlorotoluene	46.7		1.00	µg/L	40.0		117	70-130		
Dibromomethane	40.5		1.00	µg/L	40.0		101	70-130		
1,2-Dichlorobenzene	41.8		1.00	µg/L	40.0		104	70-130		
1,1-Dichloroethene	38.2		1.00	µg/L	40.0		95.4	70-130		
1,2-Dichloropropane	44.5		1.00	µg/L	40.0		111	70-130		
2,2-Dichloropropane	40.4		1.00	µg/L	40.0		101	70-130		
1,1-Dichloropropene	38.3		1.00	µg/L	40.0		95.8	70-130		
Diethyl Ether	35.8		5.00	µg/L	40.0		89.4	70-130		
Diisopropyl Ether (DIPE)	43.5		1.00	µg/L	40.0		109	70-130		
Ethylbenzene	44.0		1.00	µg/L	40.0		110	70-130		
Hexachloro-1,3-Butadiene	39.0		1.00	µg/L	40.0		97.6	70-130		
Methylene Chloride	38.6		5.00	µg/L	40.0		96.6	70-130		
Methyl-t-Butyl Ether (MTBE)	38.0		1.00	µg/L	40.0		95.0	70-130		
Styrene	43.2		1.00	µg/L	40.0		108	70-130		
tert-Butylbenzene	41.3		1.00	µg/L	40.0		103	70-130		
Tetrachloroethene	36.0		1.00	µg/L	40.0		90.1	70-130		
Toluene	38.2		1.00	µg/L	40.0		95.6	70-130		
1,2,3-Trichlorobenzene	41.7		1.00	µg/L	40.0		104	70-130		
Trichloroethene	37.9		1.00	µg/L	40.0		94.8	70-130		
1,3,5-Trimethylbenzene	43.4		1.00	µg/L	40.0		109	70-130		
Vinyl Chloride	45.3		1.00	µg/L	40.0		113	70-130		
Surrogate: Dibromofluoromethane	44.9			µg/L	50.0		89.8	60-140		
Surrogate: 4-Bromofluorobenzene	50.4			µg/L	50.0		101	60-140		
Surrogate: 1,2-Dichloroethane-d4	50.3			µg/L	50.0		101	60-140		
Surrogate: Toluene-d8	46.2			µg/L	50.0		92.3	60-140		

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Project: ANCO 417 W. 164th St.
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Quality Control
 (Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8K0018 (Continued)										
LCS Dup (B8K0018-BSD1)										
Prepared & Analyzed: 11/16/2018										
Benzene	40.8		1.00	µg/L	40.0		102	70-130	0.590	20
Bromobenzene	41.0		1.00	µg/L	40.0		103	70-130	8.03	20
Bromodichloromethane	44.2		1.00	µg/L	40.0		111	70-130	2.38	20
Bromoform	44.4		1.00	µg/L	40.0		111	70-130	7.11	20
Chlorobenzene	43.2		1.00	µg/L	40.0		108	70-130	4.84	20
Chloroethane	42.4		5.00	µg/L	40.0		106	70-130	0.259	20
Chloroform	41.2		1.00	µg/L	40.0		103	70-130	2.36	20
4-Chlorotoluene	48.7		1.00	µg/L	40.0		122	70-130	4.26	20
Dibromomethane	41.9		1.00	µg/L	40.0		105	70-130	3.30	20
1,2-Dichlorobenzene	43.9		1.00	µg/L	40.0		110	70-130	5.04	20
1,1-Dichloroethene	39.2		1.00	µg/L	40.0		98.0	70-130	2.59	20
1,2-Dichloropropane	44.9		1.00	µg/L	40.0		112	70-130	0.828	20
2,2-Dichloropropane	41.6		1.00	µg/L	40.0		104	70-130	2.91	20
1,1-Dichloropropene	39.8		1.00	µg/L	40.0		99.6	70-130	3.94	20
Diethyl Ether	36.9		5.00	µg/L	40.0		92.2	70-130	2.97	20
Diisopropyl Ether (DIPE)	44.5		1.00	µg/L	40.0		111	70-130	2.23	20
Ethylbenzene	45.0		1.00	µg/L	40.0		113	70-130	2.20	20
Hexachloro-1,3-Butadiene	41.7		1.00	µg/L	40.0		104	70-130	6.56	20
Methylene Chloride	39.7		5.00	µg/L	40.0		99.3	70-130	2.73	20
Methyl-t-Butyl Ether (MTBE)	39.4		1.00	µg/L	40.0		98.4	70-130	3.54	20
Styrene	45.6		1.00	µg/L	40.0		114	70-130	5.48	20
tert-Butylbenzene	44.9		1.00	µg/L	40.0		112	70-130	8.47	20
Tetrachloroethene	38.2		1.00	µg/L	40.0		95.6	70-130	5.95	20
Toluene	39.4		1.00	µg/L	40.0		98.6	70-130	3.04	20
1,2,3-Trichlorobenzene	42.8		1.00	µg/L	40.0		107	70-130	2.74	20
Trichloroethene	39.0		1.00	µg/L	40.0		97.5	70-130	2.78	20
1,3,5-Trimethylbenzene	45.6		1.00	µg/L	40.0		114	70-130	4.94	20
Vinyl Chloride	46.5		1.00	µg/L	40.0		116	70-130	2.59	20
<hr/>										
Surrogate: Dibromofluoromethane	45.4			µg/L	50.0		90.8	60-140		
Surrogate: 4-Bromofluorobenzene	50.6			µg/L	50.0		101	60-140		
Surrogate: 1,2-Dichloroethane-d4	50.0			µg/L	50.0		100	60-140		
Surrogate: Toluene-d8	46.0			µg/L	50.0		92.0	60-140		

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Notes and Definitions

Item	Definition
Dry	Sample results reported on a dry weight basis.
ND	Analyte NOT DETECTED at or above the reporting limit.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.
(R)	Re-run for dilution or confirmation.

REQUESTED ANALYSIS

Client Name: Leymas & ENVCO-CON
 Address: 5500 E Attention #218
Long Beach, CA 90805
 Project Manager: Charles Linderman
 Email: Charles.Linderman@ley.com
 Phone: 562-799-8866
 Project Name/Number: ANCD 417 W 644m
 P. O. Number:
 Sampled By: Wylene DeRoop

Client Sample ID / Description	Sample Date	Sample Time	Sample Matrix*	Container**	Quantity/ Type/ Preservation
1 MW-6	12/13	1302	W	3	Voa
2 MW-6	12/13	1302	W	3	Voa
3 MW-5		1134			H
4 MW-8		1054			
5 MW-1		1224			
6 MW-3		0934			
7 MW-2		0818			
8 MW-4		0856			
9					
10					

PAL Containers used:		Type of Ice used:		Sample Preservative:		Quantity/ Type/ Preservation	
Yes	No	Met	Blue	Yes	No	None	Container**
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

EDD Required - Circle one: STD (6 day) RUSH (24) 72
 Type of EDD: EDF
 Receipt Temp / Initials:
 (Temp recorded is not corrected)

Signature: [Signature] DATE: 11/13/10
 Print: Angela Reck
 Company: REL
 Signature: [Signature] DATE: 11/13/10
 Print: Angela Reck
 Company: REL
 Signature: [Signature] DATE: 11/13/10
 Print: Angela Reck
 Company: REL

Matrix Codes: (S = Soils); (P = Product); (SED = Sediment); (FW = Freshwater); (MW = Wastewater); (STRMW = Stormwater); (W = Other Water); (O = Other)
 Container Code: (V = VOA); (P = Poly); (G = Glass); (L = Sleeve); (J = Jar)
 Preservation Code: (H = HCl); (N = HNO3); (S = H2SO4); (O = NaOH); (Z = Zinc Acetate)

Global # SL2041F1507
-2.0

SAMPLE RECEIPT FORM

WORK ORDER ID
1811010

Client Leymaster
Courier CLIENT PALI OTHER _____ FEDEX UPS Tracking # _____

Cooler 1 OF 1
Date Received: 11/13/18

TEMPERATURE: Criteria 0.0°C - 6.0°C

Cooler ID	Temperature Reading	Temperature w/o CF (°C)	Correction Factor (CF) (°C)	Temperature with CF (°C)	Thermometer ID
	<input type="radio"/> Blank <input checked="" type="radio"/> Sample	<u>-2.0</u>	<u>0.0</u>	<u>-2.0</u>	<u>TM-12</u>

WET ICE BLUE ICE AMBIENT OTHER _____
 Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

CUSTODY SEALS

Cooler Seal Present and Intact Present and **NOT** Intact Seals signed and dated Not Present
Sample Seal Present and Intact Present and **NOT** Intact Seals signed and dated Not Present

CLIENT COC

INCLUDED NOT INCLUDED Complete Incomplete, See Notes/Discrepancy Form

SAMPLE MATRIX

SOLID LIQUID AIR OTHER _____

SAMPLE CONDITION

	YES	NO	N/A
All sample containers received intact and in good condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All samples listed on COC(s) are present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All sample info on containers are consistent with sample info on COC(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Correct containers for analyses requested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sufficient volume for analyses requested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper preservation chemical(s) noted on COC and/or sample container	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All samples received within method holding time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Volatile analysis containers free of headspace larger than 6mm	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NOTES

MU 11/13/18 _____
Initials Date Initials Date

November 21, 2018

Leymaster Environmental Consulting, LLC

5500 E. Atherton Street, Suite 210

Long Beach, CA 90815

Re: ANCO 417 W. 164th St.

Project No. : 417 W. 164th St.

Work Order: P811013

Dear Charles Lindeman

Enclosed are the results of analyses for samples received by our laboratory on 11/14/2018. The contents of this report apply to the sample(s) analyzed in accordance with the chain-of-custody document supplied with the sample(s).

No duplication of this report is allowed, except in its entirety. Please do not hesitate to call if you have any questions and thank you very much for using Performance Analytical Laboratories for your analytical needs.

Regards,



Marycarol Valenzuela
Project Manager

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Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Samples in this Report

Lab ID	Sample	Qualifier	Matrix	Date Sampled	Date Received
P811013-01	MW-10C		Water	11/14/2018	11/14/2018
P811013-02	MW-10B		Water	11/14/2018	11/14/2018
P811013-03	MW-15		Water	11/14/2018	11/14/2018
P811013-04	MW-16C		Water	11/14/2018	11/14/2018
P811013-05	MW-10A		Water	11/14/2018	11/14/2018

Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-10C

P811013-01 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018)							
Acetone	ND	µg/L	5	100	11/16/2018	EPA 8260B	
Acetonitrile	ND	µg/L	5	100	11/16/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	5	25.0	11/16/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Benzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Bromobenzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Bromoform	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Bromomethane	ND	µg/L	5	25.0	11/16/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	ND	µg/L	5	25.0	11/16/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Chloroethane	ND	µg/L	5	25.0	11/16/2018	EPA 8260B	
Chloroform	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Chloromethane	ND	µg/L	5	25.0	11/16/2018	EPA 8260B	
Chloroprene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	5	25.0	11/16/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Dibromomethane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,1-Dichloroethene	5.30	µg/L	5	5.00	11/16/2018	EPA 8260B	
c-1,2-Dichloroethene	5.60	µg/L	5	5.00	11/16/2018	EPA 8260B	

Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-10C (Continued)

P811013-01 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018) (Continued)							
c-1,3-Dichloropropene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
t-1,2-Dichloroethene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	5	25.0	11/16/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	5	25.0	11/16/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
2-Hexanone	ND	µg/L	5	25.0	11/16/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	5	25.0	11/16/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	5	100	11/16/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Naphthalene	ND	µg/L	5	25.0	11/16/2018	EPA 8260B	
Propionitrile	ND	µg/L	5	25.0	11/16/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Styrene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	5	125	11/16/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,1,1,2,2-Tetrachloroethane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Tetrachloroethene	465	µg/L	5	5.00	11/16/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	5	100	11/16/2018	EPA 8260B	
Toluene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	

Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-10C (Continued)

P811013-01 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018) (Continued)							
1,1,1-Trichloroethane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Trichloroethene	23.8	µg/L	5	5.00	11/16/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
o-Xylene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	5	10.0	11/16/2018	EPA 8260B	
Total Xylenes	ND	µg/L	5	15.0	11/16/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
<hr/>							
Surrogate: Dibromofluoromethane	90.6%			60-140	11/16/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	94.5%			60-140	11/16/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	105%			60-140	11/16/2018	EPA 8260B	
Surrogate: Toluene-d8	91.0%			60-140	11/16/2018	EPA 8260B	

Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-10B

P811013-02 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018)							
Acetone	53.6	µg/L	1	20.0	11/16/2018	EPA 8260B	
Acetonitrile	ND	µg/L	1	20.0	11/16/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Benzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromoform	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromomethane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	9.88	µg/L	1	5.00	11/16/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Chloroethane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Chloroform	3.46	µg/L	1	1.00	11/16/2018	EPA 8260B	
Chloromethane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Chloroprene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Dibromomethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1-Dichloroethene	2.04	µg/L	1	1.00	11/16/2018	EPA 8260B	
c-1,2-Dichloroethene	3.28	µg/L	1	1.00	11/16/2018	EPA 8260B	

Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-10B (Continued)

P811013-02 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018) (Continued)							
c-1,3-Dichloropropene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
t-1,2-Dichloroethene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
2-Hexanone	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	1	20.0	11/16/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Naphthalene	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Propionitrile	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Styrene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	1	25.0	11/16/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tetrachloroethene	119	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	1	20.0	11/16/2018	EPA 8260B	
Toluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	

Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-10B (Continued)

P811013-02 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018) (Continued)							
1,1,1-Trichloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Trichloroethene	9.66	µg/L	1	1.00	11/16/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.81	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
o-Xylene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	1	2.00	11/16/2018	EPA 8260B	
Total Xylenes	ND	µg/L	1	3.00	11/16/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	3.46	µg/L	1	1.00	11/16/2018	EPA 8260B	

Surrogate: Dibromofluoromethane	91.2%			60-140	11/16/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	93.9%			60-140	11/16/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	105%			60-140	11/16/2018	EPA 8260B	
Surrogate: Toluene-d8	91.3%			60-140	11/16/2018	EPA 8260B	

Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-15

P811013-03 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018)							
Acetone	ND	µg/L	1	20.0	11/16/2018	EPA 8260B	
Acetonitrile	ND	µg/L	1	20.0	11/16/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Benzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromoform	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromomethane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Chloroethane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Chloroform	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Chloromethane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Chloroprene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Dibromomethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1-Dichloroethene	2.22	µg/L	1	1.00	11/16/2018	EPA 8260B	
c-1,2-Dichloroethene	1.72	µg/L	1	1.00	11/16/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-15 (Continued)

P811013-03 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018) (Continued)							
c-1,3-Dichloropropene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
t-1,2-Dichloroethene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
2-Hexanone	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	1	20.0	11/16/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Naphthalene	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Propionitrile	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Styrene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	1	25.0	11/16/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tetrachloroethene	46.6	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	1	20.0	11/16/2018	EPA 8260B	
Toluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-15 (Continued)

P811013-03 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018) (Continued)							
1,1,1-Trichloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Trichloroethene	16.4	µg/L	1	1.00	11/16/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
o-Xylene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	1	2.00	11/16/2018	EPA 8260B	
Total Xylenes	ND	µg/L	1	3.00	11/16/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
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Surrogate: Dibromofluoromethane	90.9%			60-140	11/16/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	91.5%			60-140	11/16/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	106%			60-140	11/16/2018	EPA 8260B	
Surrogate: Toluene-d8	90.7%			60-140	11/16/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-16C

P811013-04 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018)							
Acetone	ND	µg/L	1	20.0	11/16/2018	EPA 8260B	
Acetonitrile	ND	µg/L	1	20.0	11/16/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Benzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromoform	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromomethane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Chloroethane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Chloroform	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Chloromethane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Chloroprene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Dibromomethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1-Dichloroethene	17.2	µg/L	1	1.00	11/16/2018	EPA 8260B	
c-1,2-Dichloroethene	2.32	µg/L	1	1.00	11/16/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-16C (Continued)

P811013-04 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018) (Continued)							
c-1,3-Dichloropropene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
t-1,2-Dichloroethene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
2-Hexanone	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	1	20.0	11/16/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Naphthalene	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Propionitrile	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Styrene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	1	25.0	11/16/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,1,2,2-Tetrachloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tetrachloroethene	39.2	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	1	20.0	11/16/2018	EPA 8260B	
Toluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-16C (Continued)

P811013-04 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018) (Continued)							
1,1,1-Trichloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Trichloroethene	14.9	µg/L	1	1.00	11/16/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
o-Xylene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	1	2.00	11/16/2018	EPA 8260B	
Total Xylenes	ND	µg/L	1	3.00	11/16/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
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Surrogate: Dibromofluoromethane	90.2%			60-140	11/16/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	93.0%			60-140	11/16/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	105%			60-140	11/16/2018	EPA 8260B	
Surrogate: Toluene-d8	91.3%			60-140	11/16/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-10A

P811013-05 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018)							
Acetone	57.2	µg/L	1	20.0	11/16/2018	EPA 8260B	
Acetonitrile	ND	µg/L	1	20.0	11/16/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Benzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromoform	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Bromomethane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	11.3	µg/L	1	5.00	11/16/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Chloroethane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Chloroform	4.03	µg/L	1	1.00	11/16/2018	EPA 8260B	
Chloromethane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Chloroprene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Dibromomethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1-Dichloroethene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
c-1,2-Dichloroethene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-10A (Continued)

P811013-05 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018) (Continued)							
c-1,3-Dichloropropene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
t-1,2-Dichloroethene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
2-Hexanone	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	1	20.0	11/16/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Naphthalene	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
Propionitrile	ND	µg/L	1	5.00	11/16/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Styrene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	1	25.0	11/16/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tetrachloroethene	28.6	µg/L	1	1.00	11/16/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	1	20.0	11/16/2018	EPA 8260B	
Toluene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	

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5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-10A (Continued)

P811013-05 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018) (Continued)							
1,1,1-Trichloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Trichloroethene	2.89	µg/L	1	1.00	11/16/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	3.20	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
o-Xylene	ND	µg/L	1	1.00	11/16/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	1	2.00	11/16/2018	EPA 8260B	
Total Xylenes	ND	µg/L	1	3.00	11/16/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	4.03	µg/L	1	1.00	11/16/2018	EPA 8260B	

Surrogate: Dibromofluoromethane	89.5%			60-140	11/16/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	94.1%			60-140	11/16/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	105%			60-140	11/16/2018	EPA 8260B	
Surrogate: Toluene-d8	91.9%			60-140	11/16/2018	EPA 8260B	

Leymaster Environmental Consulting, LLC
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Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Quality Control

Volatile Organic Compounds

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: B8K0018

Blank (B8K0018-BLK1)

Prepared & Analyzed: 11/16/2018

Acetone	ND		20.0	µg/L						
Acetonitrile	ND		20.0	µg/L						
Acrylonitrile	ND		5.00	µg/L						
Allyl Chloride	ND		1.00	µg/L						
Benzene	ND		1.00	µg/L						
Bromobenzene	ND		1.00	µg/L						
Bromochloromethane	ND		1.00	µg/L						
Bromodichloromethane	ND		1.00	µg/L						
Bromoform	ND		1.00	µg/L						
Bromomethane	ND		5.00	µg/L						
2-Butanone (Methyl Ethyl Ketone - MEK)	ND		5.00	µg/L						
n-Butylbenzene	ND		1.00	µg/L						
Carbon Disulfide	ND		1.00	µg/L						
Carbon Tetrachloride	ND		1.00	µg/L						
Chlorobenzene	ND		1.00	µg/L						
Chloroethane	ND		5.00	µg/L						
Chloroform	ND		1.00	µg/L						
Chloromethane	ND		5.00	µg/L						
Chloroprene	ND		1.00	µg/L						
2-Chlorotoluene	ND		1.00	µg/L						
4-Chlorotoluene	ND		1.00	µg/L						
1,2-Dibromo-3-Chloropropane	ND		5.00	µg/L						
Dibromochloromethane	ND		1.00	µg/L						
1,2-Dibromoethane (EDB)	ND		1.00	µg/L						
Dibromomethane	ND		1.00	µg/L						
cis-1,4-dichloro-2-butene	ND		1.00	µg/L						
t-1,4-Dichloro-2-Butene	ND		1.00	µg/L						
1,2-Dichlorobenzene	ND		1.00	µg/L						
1,3-Dichlorobenzene	ND		1.00	µg/L						
1,4-Dichlorobenzene	ND		1.00	µg/L						
Dichlorodifluoromethane (Freon 12)	ND		1.00	µg/L						
1,1-Dichloroethane	ND		1.00	µg/L						
1,2-Dichloroethane	ND		1.00	µg/L						
1,1-Dichloroethene	ND		1.00	µg/L						
c-1,2-Dichloroethene	ND		1.00	µg/L						
c-1,3-Dichloropropene	ND		1.00	µg/L						
t-1,2-Dichloroethene	ND		1.00	µg/L						
1,2-Dichloropropane	ND		1.00	µg/L						
1,3-Dichloropropane	ND		1.00	µg/L						
2,2-Dichloropropane	ND		1.00	µg/L						
1,1-Dichloropropene	ND		1.00	µg/L						
t-1,3-Dichloropropene	ND		1.00	µg/L						
Diethyl Ether	ND		5.00	µg/L						
Diisopropyl Ether (DIPE)	ND		1.00	µg/L						
Ethylbenzene	ND		1.00	µg/L						

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Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: B8K0018 (Continued)

Blank (B8K0018-BLK1)

Prepared & Analyzed: 11/16/2018

Ethyl Methacrylate	ND		5.00	µg/L						
Ethyl-tert-butyl-ether (ETBE)	ND		1.00	µg/L						
Hexachloro-1,3-Butadiene	ND		1.00	µg/L						
2-Hexanone	ND		5.00	µg/L						
Isopropylbenzene	ND		1.00	µg/L						
p-Isopropyltoluene	ND		1.00	µg/L						
Methacrylonitrile	ND		1.00	µg/L						
Methylene Chloride	ND		5.00	µg/L						
Methyl Methacrylate	ND		1.00	µg/L						
4-Methyl-2-Pentanone	ND		20.0	µg/L						
Methyl-t-Butyl Ether (MTBE)	ND		1.00	µg/L						
Naphthalene	ND		5.00	µg/L						
Propionitrile	ND		5.00	µg/L						
n-Propylbenzene	ND		1.00	µg/L						
sec-Butylbenzene	ND		1.00	µg/L						
Styrene	ND		1.00	µg/L						
Tert-amyl-Methyl Ether (TAME)	ND		1.00	µg/L						
Tert-Butyl Alcohol (TBA)	ND		25.0	µg/L						
tert-Butylbenzene	ND		1.00	µg/L						
1,1,1,2-Tetrachloroethane	ND		1.00	µg/L						
1,1,2,2-Tetrachloroethane	ND		1.00	µg/L						
Tetrachloroethene	ND		1.00	µg/L						
Tetrahydrofuran	ND		20.0	µg/L						
Toluene	ND		1.00	µg/L						
1,2,3-Trichlorobenzene	ND		1.00	µg/L						
1,2,4-Trichlorobenzene	ND		1.00	µg/L						
1,1,1-Trichloroethane	ND		1.00	µg/L						
1,1,2-Trichloroethane	ND		1.00	µg/L						
Trichloroethene	ND		1.00	µg/L						
Trichlorofluoromethane	ND		1.00	µg/L						
1,2,3-Trichloropropane	ND		1.00	µg/L						
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1.00	µg/L						
1,2,4-Trimethylbenzene	ND		1.00	µg/L						
1,3,5-Trimethylbenzene	ND		1.00	µg/L						
Vinyl Chloride	ND		1.00	µg/L						
o-Xylene	ND		1.00	µg/L						
p/m-Xylene	ND		2.00	µg/L						
Total Xylenes	ND		3.00	µg/L						
Total Trihalomethanes (TTHM)	ND		1.00	µg/L						
Surrogate: Dibromofluoromethane	44.7			µg/L	50.0		89.5	60-140		
Surrogate: 4-Bromofluorobenzene	47.2			µg/L	50.0		94.3	60-140		
Surrogate: 1,2-Dichloroethane-d4	52.0			µg/L	50.0		104	60-140		
Surrogate: Toluene-d8	46.0			µg/L	50.0		91.9	60-140		

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8K0018 (Continued)										
LCS (B8K0018-BS1)										
Prepared & Analyzed: 11/16/2018										
Benzene	40.5		1.00	µg/L	40.0		101	70-130		
Bromobenzene	37.9		1.00	µg/L	40.0		94.7	70-130		
Bromodichloromethane	43.2		1.00	µg/L	40.0		108	70-130		
Bromoform	41.4		1.00	µg/L	40.0		103	70-130		
Chlorobenzene	41.1		1.00	µg/L	40.0		103	70-130		
Chloroethane	42.5		5.00	µg/L	40.0		106	70-130		
Chloroform	40.3		1.00	µg/L	40.0		101	70-130		
4-Chlorotoluene	46.7		1.00	µg/L	40.0		117	70-130		
Dibromomethane	40.5		1.00	µg/L	40.0		101	70-130		
1,2-Dichlorobenzene	41.8		1.00	µg/L	40.0		104	70-130		
1,1-Dichloroethene	38.2		1.00	µg/L	40.0		95.4	70-130		
1,2-Dichloropropane	44.5		1.00	µg/L	40.0		111	70-130		
2,2-Dichloropropane	40.4		1.00	µg/L	40.0		101	70-130		
1,1-Dichloropropene	38.3		1.00	µg/L	40.0		95.8	70-130		
Diethyl Ether	35.8		5.00	µg/L	40.0		89.4	70-130		
Diisopropyl Ether (DIPE)	43.5		1.00	µg/L	40.0		109	70-130		
Ethylbenzene	44.0		1.00	µg/L	40.0		110	70-130		
Hexachloro-1,3-Butadiene	39.0		1.00	µg/L	40.0		97.6	70-130		
Methylene Chloride	38.6		5.00	µg/L	40.0		96.6	70-130		
Methyl-t-Butyl Ether (MTBE)	38.0		1.00	µg/L	40.0		95.0	70-130		
Styrene	43.2		1.00	µg/L	40.0		108	70-130		
tert-Butylbenzene	41.3		1.00	µg/L	40.0		103	70-130		
Tetrachloroethene	36.0		1.00	µg/L	40.0		90.1	70-130		
Toluene	38.2		1.00	µg/L	40.0		95.6	70-130		
1,2,3-Trichlorobenzene	41.7		1.00	µg/L	40.0		104	70-130		
Trichloroethene	37.9		1.00	µg/L	40.0		94.8	70-130		
1,3,5-Trimethylbenzene	43.4		1.00	µg/L	40.0		109	70-130		
Vinyl Chloride	45.3		1.00	µg/L	40.0		113	70-130		
Surrogate: Dibromofluoromethane	44.9			µg/L	50.0		89.8	60-140		
Surrogate: 4-Bromofluorobenzene	50.4			µg/L	50.0		101	60-140		
Surrogate: 1,2-Dichloroethane-d4	50.3			µg/L	50.0		101	60-140		
Surrogate: Toluene-d8	46.2			µg/L	50.0		92.3	60-140		

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 Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
 Project Number: 417 W. 164th St.
 Project Manager: Charles Lindeman

Quality Control
 (Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8K0018 (Continued)										
LCS Dup (B8K0018-BSD1)				Prepared & Analyzed: 11/16/2018						
Benzene	40.8		1.00	µg/L	40.0		102	70-130	0.590	20
Bromobenzene	41.0		1.00	µg/L	40.0		103	70-130	8.03	20
Bromodichloromethane	44.2		1.00	µg/L	40.0		111	70-130	2.38	20
Bromoform	44.4		1.00	µg/L	40.0		111	70-130	7.11	20
Chlorobenzene	43.2		1.00	µg/L	40.0		108	70-130	4.84	20
Chloroethane	42.4		5.00	µg/L	40.0		106	70-130	0.259	20
Chloroform	41.2		1.00	µg/L	40.0		103	70-130	2.36	20
4-Chlorotoluene	48.7		1.00	µg/L	40.0		122	70-130	4.26	20
Dibromomethane	41.9		1.00	µg/L	40.0		105	70-130	3.30	20
1,2-Dichlorobenzene	43.9		1.00	µg/L	40.0		110	70-130	5.04	20
1,1-Dichloroethene	39.2		1.00	µg/L	40.0		98.0	70-130	2.59	20
1,2-Dichloropropane	44.9		1.00	µg/L	40.0		112	70-130	0.828	20
2,2-Dichloropropane	41.6		1.00	µg/L	40.0		104	70-130	2.91	20
1,1-Dichloropropene	39.8		1.00	µg/L	40.0		99.6	70-130	3.94	20
Diethyl Ether	36.9		5.00	µg/L	40.0		92.2	70-130	2.97	20
Diisopropyl Ether (DIPE)	44.5		1.00	µg/L	40.0		111	70-130	2.23	20
Ethylbenzene	45.0		1.00	µg/L	40.0		113	70-130	2.20	20
Hexachloro-1,3-Butadiene	41.7		1.00	µg/L	40.0		104	70-130	6.56	20
Methylene Chloride	39.7		5.00	µg/L	40.0		99.3	70-130	2.73	20
Methyl-t-Butyl Ether (MTBE)	39.4		1.00	µg/L	40.0		98.4	70-130	3.54	20
Styrene	45.6		1.00	µg/L	40.0		114	70-130	5.48	20
tert-Butylbenzene	44.9		1.00	µg/L	40.0		112	70-130	8.47	20
Tetrachloroethene	38.2		1.00	µg/L	40.0		95.6	70-130	5.95	20
Toluene	39.4		1.00	µg/L	40.0		98.6	70-130	3.04	20
1,2,3-Trichlorobenzene	42.8		1.00	µg/L	40.0		107	70-130	2.74	20
Trichloroethene	39.0		1.00	µg/L	40.0		97.5	70-130	2.78	20
1,3,5-Trimethylbenzene	45.6		1.00	µg/L	40.0		114	70-130	4.94	20
Vinyl Chloride	46.5		1.00	µg/L	40.0		116	70-130	2.59	20
<hr/>										
Surrogate: Dibromofluoromethane	45.4			µg/L	50.0		90.8	60-140		
Surrogate: 4-Bromofluorobenzene	50.6			µg/L	50.0		101	60-140		
Surrogate: 1,2-Dichloroethane-d4	50.0			µg/L	50.0		100	60-140		
Surrogate: Toluene-d8	46.0			µg/L	50.0		92.0	60-140		

Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Notes and Definitions

Item	Definition
Dry	Sample results reported on a dry weight basis.
ND	Analyte NOT DETECTED at or above the reporting limit.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.
(R)	Re-run for dilution or confirmation.

CHAIN-OF-CUSTODY

page

1 of 1

PAL WO#:

PS11013

REQUESTED ANALYSIS

82603 VOCs

Client Name: **Leymaster Env. Serv. Con.**
 Address: **550 E. Houston St #210**
Long Beach, CA 90815

Project Manager: **Charles Underman**
 Email: **charlie@leymaster.net**
 Phone: **562-799-9866**

Project Name/Number: **AR00 #17 W. 164TH**

P.O. Number: **AR00**

Sampled By: **Mike DeBevo**

Client Sample ID / Description	Sample Date	Sample Time	Sample Matrix*	Container**	Quantity/Type/Preservation
1 MW-10 C	11/14	1132	GW	3 ea 40-ml vials w/1421	X
2 MW-10 B		1024			X
3 MW-15		828			X
4 MW-14 C		906			X
5 MW-10 A		956			X
6					
7					
8					
9					
10					

PAL Containers used: Yes No

Type of ice used: Wet Blue None

Sample Preservative: Yes No

TAT Needed (circle one): **STD** (5 day) RUSH (24) (48) (72)

EDD Required - Circle one: **EDF** Yes No

Type of EDD: **EDF**

Receipt Temp./Initials: **-2.0 C MW**

(Temp recorded is not corrected)

Global ID # **SL2091F1507**

RELINQUISHED BY: **Mike DeBevo** DATE: 11/14/18 TIME: 1327

Signature: *[Signature]*

Print: **Mike DeBevo**

Company: **PER**

RECEIVED BY: **Walter Zucchi** DATE: 11/14/18 TIME: 1327

Signature: *[Signature]*

Print: **Walter Zucchi**

Company: **PTI**

RECEIVED BY: **[Signature]** DATE: DATE: TIME: TIME:

Signature: DATE: TIME:

Print: DATE: TIME:

Company: DATE: TIME:

*Matrix Codes: (S = Soils); (P = Product); (SED = Sediment); (FW = Freshwater); (MW = Wastewater); (STRMW = Stormwater); (W = Other Water); (O = Other)

**Container Code: (V = VOA); (P = Pol); (G = Glass); (L = Sleeve); (J = Jar)

**Preservation Code: (H = HCl); (N = HNO3); (S = H2SO4); (O = NaOH); (Z = Zinc Acetate)

SAMPLE RECEIPT FORM

WORK ORDER ID
P811013

Client Keymaster
Courier CLIENT PALI OTHER _____ FEDEX UPS Tracking # _____

Cooler 1 OF 1
Date Received: 11/14/18

TEMPERATURE: Criteria 0.0°C - 6.0°C					
Cooler ID	Temperature Reading	Temperature w/o CF (°C)	Correction Factor (CF) (°C)	Temperature with CF (°C)	Thermometer ID
	<input type="radio"/> Blank <input checked="" type="radio"/> Sample	<u>-2.0</u>	<u>0.0</u>	<u>-2.0</u>	<u>TW-12</u>

WET ICE BLUE ICE AMBIENT OTHER _____

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

CUSTODY SEALS

Cooler Seal Present and Intact Present and **NOT** Intact Seals signed and dated Not Present
Sample Seal Present and Intact Present and **NOT** Intact Seals signed and dated Not Present

CLIENT COC

INCLUDED NOT INCLUDED Complete Incomplete, See Notes/Discrepancy Form

SAMPLE MATRIX

SOLID LIQUID AIR OTHER _____

SAMPLE CONDITION

	YES	NO	N/A
All sample containers received intact and in good condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All samples listed on COC(s) are present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All sample info on containers are consistent with sample info on COC(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Correct containers for analyses requested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sufficient volume for analyses requested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper preservation chemical(s) noted on COC and/or sample container	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All samples received within method holding time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Volatile analysis containers free of headspace larger than 6mm	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NOTES

WV 11/14/18 _____
Initials Date Initials Date

November 26, 2018

Leymaster Environmental Consulting, LLC

5500 E. Atherton Street, Suite 210

Long Beach, CA 90815

Re: ANCO 417 W. 164th St.

Project No. : 417 W. 164th St.

Work Order: P811014

Dear Charles Lindeman

Enclosed are the results of analyses for samples received by our laboratory on 11/15/2018. The contents of this report apply to the sample(s) analyzed in accordance with the chain-of-custody document supplied with the sample(s).

No duplication of this report is allowed, except in its entirety. Please do not hesitate to call if you have any questions and thank you very much for using Performance Analytical Laboratories for your analytical needs.

Regards,



Marycarol Valenzuela
Project Manager

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Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Samples in this Report

Lab ID	Sample	Qualifier	Matrix	Date Sampled	Date Received
P811014-01	MW-14D		Water	11/15/2018	11/15/2018
P811014-02	MW-14C		Water	11/15/2018	11/15/2018
P811014-03	MW-9D		Water	11/15/2018	11/15/2018
P811014-04	MW-13B		Water	11/15/2018	11/15/2018

Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-14D

P811014-01 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0020)							
Acetone	49.2	µg/L	1	20.0	11/20/2018	EPA 8260B	
Acetonitrile	ND	µg/L	1	20.0	11/20/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	1	5.00	11/20/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Benzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Bromobenzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Bromoform	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Bromomethane	ND	µg/L	1	5.00	11/20/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	11.4	µg/L	1	5.00	11/20/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Chloroethane	ND	µg/L	1	5.00	11/20/2018	EPA 8260B	
Chloroform	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Chloromethane	ND	µg/L	1	5.00	11/20/2018	EPA 8260B	
Chloroprene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	1	5.00	11/20/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Dibromomethane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,1-Dichloroethene	3.50	µg/L	1	1.00	11/20/2018	EPA 8260B	
c-1,2-Dichloroethene	50.3	µg/L	1	1.00	11/20/2018	EPA 8260B	

Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-14D (Continued)

P811014-01 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0020) (Continued)							
c-1,3-Dichloropropene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
t-1,2-Dichloroethene	1.52	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	1	5.00	11/20/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	1	5.00	11/20/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
2-Hexanone	ND	µg/L	1	5.00	11/20/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	1	5.00	11/20/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	1	20.0	11/20/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Naphthalene	ND	µg/L	1	5.00	11/20/2018	EPA 8260B	
Propionitrile	ND	µg/L	1	5.00	11/20/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Styrene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	1	25.0	11/20/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Tetrachloroethene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	1	20.0	11/20/2018	EPA 8260B	
Toluene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	

Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-14D (Continued)

P811014-01 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0020) (Continued)							
1,1,1-Trichloroethane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Trichloroethene	42.7	µg/L	1	1.00	11/20/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
o-Xylene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	1	2.00	11/20/2018	EPA 8260B	
Total Xylenes	ND	µg/L	1	3.00	11/20/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
<hr/>							
Surrogate: Dibromofluoromethane	90.9%			60-140	11/20/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	97.5%			60-140	11/20/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	111%			60-140	11/20/2018	EPA 8260B	
Surrogate: Toluene-d8	92.6%			60-140	11/20/2018	EPA 8260B	

Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-14C

P811014-02 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018)							
Acetone	ND	µg/L	5	100	11/16/2018	EPA 8260B	
Acetonitrile	ND	µg/L	5	100	11/16/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	5	25.0	11/16/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Benzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Bromobenzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Bromoform	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Bromomethane	ND	µg/L	5	25.0	11/16/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	ND	µg/L	5	25.0	11/16/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Chloroethane	ND	µg/L	5	25.0	11/16/2018	EPA 8260B	
Chloroform	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Chloromethane	ND	µg/L	5	25.0	11/16/2018	EPA 8260B	
Chloroprene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	5	25.0	11/16/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Dibromomethane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,1-Dichloroethene	293	µg/L	5	5.00	11/16/2018	EPA 8260B	
c-1,2-Dichloroethene	18.8	µg/L	5	5.00	11/16/2018	EPA 8260B	

Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-14C (Continued)

P811014-02 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018) (Continued)							
c-1,3-Dichloropropene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
t-1,2-Dichloroethene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	5	25.0	11/16/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	5	25.0	11/16/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
2-Hexanone	ND	µg/L	5	25.0	11/16/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	5	25.0	11/16/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	5	100	11/16/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Naphthalene	ND	µg/L	5	25.0	11/16/2018	EPA 8260B	
Propionitrile	ND	µg/L	5	25.0	11/16/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Styrene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	5	125	11/16/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,1,1,2,2-Tetrachloroethane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Tetrachloroethene	154	µg/L	5	5.00	11/16/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	5	100	11/16/2018	EPA 8260B	
Toluene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	

Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-14C (Continued)

P811014-02 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018) (Continued)							
1,1,1-Trichloroethane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Trichloroethene	25.2	µg/L	5	5.00	11/16/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
o-Xylene	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	5	10.0	11/16/2018	EPA 8260B	
Total Xylenes	ND	µg/L	5	15.0	11/16/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	5	5.00	11/16/2018	EPA 8260B	
<hr/>							
Surrogate: Dibromofluoromethane	90.9%			60-140	11/16/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	93.1%			60-140	11/16/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	105%			60-140	11/16/2018	EPA 8260B	
Surrogate: Toluene-d8	90.1%			60-140	11/16/2018	EPA 8260B	

Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-9D

P811014-03 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
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Volatile Organic Compounds (Batch ID: B8K0020)

Acetone	44.0	µg/L	1	20.0	11/20/2018	EPA 8260B	
Acetonitrile	ND	µg/L	1	20.0	11/20/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	1	5.00	11/20/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Benzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Bromobenzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Bromoform	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Bromomethane	ND	µg/L	1	5.00	11/20/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	10.8	µg/L	1	5.00	11/20/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Chloroethane	ND	µg/L	1	5.00	11/20/2018	EPA 8260B	
Chloroform	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Chloromethane	ND	µg/L	1	5.00	11/20/2018	EPA 8260B	
Chloroprene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	1	5.00	11/20/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Dibromomethane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,1-Dichloroethene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
c-1,2-Dichloroethene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-9D (Continued)

P811014-03 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0020) (Continued)							
c-1,3-Dichloropropene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
t-1,2-Dichloroethene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	1	5.00	11/20/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	1	5.00	11/20/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
2-Hexanone	ND	µg/L	1	5.00	11/20/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	1	5.00	11/20/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	1	20.0	11/20/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Naphthalene	ND	µg/L	1	5.00	11/20/2018	EPA 8260B	
Propionitrile	ND	µg/L	1	5.00	11/20/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Styrene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	1	25.0	11/20/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,1,1,2,2-Tetrachloroethane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Tetrachloroethene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	1	20.0	11/20/2018	EPA 8260B	
Toluene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-9D (Continued)

P811014-03 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0020) (Continued)							
1,1,1-Trichloroethane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Trichloroethene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
o-Xylene	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	1	2.00	11/20/2018	EPA 8260B	
Total Xylenes	ND	µg/L	1	3.00	11/20/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	1	1.00	11/20/2018	EPA 8260B	

Surrogate: Dibromofluoromethane	90.2%			60-140	11/20/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	97.7%			60-140	11/20/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	110%			60-140	11/20/2018	EPA 8260B	
Surrogate: Toluene-d8	91.5%			60-140	11/20/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
 Project Number: 417 W. 164th St.
 Project Manager: Charles Lindeman

Sample: MW-13B

P811014-04 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018)							
Acetone	ND	µg/L	2	40.0	11/16/2018	EPA 8260B	
Acetonitrile	ND	µg/L	2	40.0	11/16/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	2	10.0	11/16/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
Benzene	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
Bromobenzene	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
Bromoform	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
Bromomethane	ND	µg/L	2	10.0	11/16/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	ND	µg/L	2	10.0	11/16/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
Chloroethane	ND	µg/L	2	10.0	11/16/2018	EPA 8260B	
Chloroform	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
Chloromethane	ND	µg/L	2	10.0	11/16/2018	EPA 8260B	
Chloroprene	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	2	10.0	11/16/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
Dibromomethane	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
1,1-Dichloroethane	65.7	µg/L	2	2.00	11/16/2018	EPA 8260B	
1,2-Dichloroethane	3.02	µg/L	2	2.00	11/16/2018	EPA 8260B	
1,1-Dichloroethene	66.9	µg/L	2	2.00	11/16/2018	EPA 8260B	
c-1,2-Dichloroethene	32.9	µg/L	2	2.00	11/16/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-13B (Continued)

P811014-04 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018) (Continued)							
c-1,3-Dichloropropene	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
t-1,2-Dichloroethene	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	2	10.0	11/16/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	2	10.0	11/16/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
2-Hexanone	ND	µg/L	2	10.0	11/16/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	2	10.0	11/16/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	2	40.0	11/16/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
Naphthalene	ND	µg/L	2	10.0	11/16/2018	EPA 8260B	
Propionitrile	ND	µg/L	2	10.0	11/16/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
Styrene	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	2	50.0	11/16/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
Tetrachloroethene	107	µg/L	2	2.00	11/16/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	2	40.0	11/16/2018	EPA 8260B	
Toluene	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: MW-13B (Continued)

P811014-04 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0018) (Continued)							
1,1,1-Trichloroethane	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
Trichloroethene	29.7	µg/L	2	2.00	11/16/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
o-Xylene	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	2	4.00	11/16/2018	EPA 8260B	
Total Xylenes	ND	µg/L	2	6.00	11/16/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	2	2.00	11/16/2018	EPA 8260B	
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Surrogate: Dibromofluoromethane	88.8%			60-140	11/16/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	94.8%			60-140	11/16/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	106%			60-140	11/16/2018	EPA 8260B	
Surrogate: Toluene-d8	90.4%			60-140	11/16/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Quality Control

Volatile Organic Compounds

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: B8K0018

Blank (B8K0018-BLK1)

Prepared & Analyzed: 11/16/2018

Acetone	ND		20.0	µg/L						
Acetonitrile	ND		20.0	µg/L						
Acrylonitrile	ND		5.00	µg/L						
Allyl Chloride	ND		1.00	µg/L						
Benzene	ND		1.00	µg/L						
Bromobenzene	ND		1.00	µg/L						
Bromochloromethane	ND		1.00	µg/L						
Bromodichloromethane	ND		1.00	µg/L						
Bromoform	ND		1.00	µg/L						
Bromomethane	ND		5.00	µg/L						
2-Butanone (Methyl Ethyl Ketone - MEK)	ND		5.00	µg/L						
n-Butylbenzene	ND		1.00	µg/L						
Carbon Disulfide	ND		1.00	µg/L						
Carbon Tetrachloride	ND		1.00	µg/L						
Chlorobenzene	ND		1.00	µg/L						
Chloroethane	ND		5.00	µg/L						
Chloroform	ND		1.00	µg/L						
Chloromethane	ND		5.00	µg/L						
Chloroprene	ND		1.00	µg/L						
2-Chlorotoluene	ND		1.00	µg/L						
4-Chlorotoluene	ND		1.00	µg/L						
1,2-Dibromo-3-Chloropropane	ND		5.00	µg/L						
Dibromochloromethane	ND		1.00	µg/L						
1,2-Dibromoethane (EDB)	ND		1.00	µg/L						
Dibromomethane	ND		1.00	µg/L						
cis-1,4-dichloro-2-butene	ND		1.00	µg/L						
t-1,4-Dichloro-2-Butene	ND		1.00	µg/L						
1,2-Dichlorobenzene	ND		1.00	µg/L						
1,3-Dichlorobenzene	ND		1.00	µg/L						
1,4-Dichlorobenzene	ND		1.00	µg/L						
Dichlorodifluoromethane (Freon 12)	ND		1.00	µg/L						
1,1-Dichloroethane	ND		1.00	µg/L						
1,2-Dichloroethane	ND		1.00	µg/L						
1,1-Dichloroethene	ND		1.00	µg/L						
c-1,2-Dichloroethene	ND		1.00	µg/L						
c-1,3-Dichloropropene	ND		1.00	µg/L						
t-1,2-Dichloroethene	ND		1.00	µg/L						
1,2-Dichloropropane	ND		1.00	µg/L						
1,3-Dichloropropane	ND		1.00	µg/L						
2,2-Dichloropropane	ND		1.00	µg/L						
1,1-Dichloropropene	ND		1.00	µg/L						
t-1,3-Dichloropropene	ND		1.00	µg/L						
Diethyl Ether	ND		5.00	µg/L						
Diisopropyl Ether (DIPE)	ND		1.00	µg/L						
Ethylbenzene	ND		1.00	µg/L						

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Project: ANCO 417 W. 164th St.
 Project Number: 417 W. 164th St.
 Project Manager: Charles Lindeman

Quality Control
 (Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: B8K0018 (Continued)

Blank (B8K0018-BLK1)

Prepared & Analyzed: 11/16/2018

Ethyl Methacrylate	ND		5.00	µg/L						
Ethyl-tert-butyl-ether (ETBE)	ND		1.00	µg/L						
Hexachloro-1,3-Butadiene	ND		1.00	µg/L						
2-Hexanone	ND		5.00	µg/L						
Isopropylbenzene	ND		1.00	µg/L						
p-Isopropyltoluene	ND		1.00	µg/L						
Methacrylonitrile	ND		1.00	µg/L						
Methylene Chloride	ND		5.00	µg/L						
Methyl Methacrylate	ND		1.00	µg/L						
4-Methyl-2-Pentanone	ND		20.0	µg/L						
Methyl-t-Butyl Ether (MTBE)	ND		1.00	µg/L						
Naphthalene	ND		5.00	µg/L						
Propionitrile	ND		5.00	µg/L						
n-Propylbenzene	ND		1.00	µg/L						
sec-Butylbenzene	ND		1.00	µg/L						
Styrene	ND		1.00	µg/L						
Tert-amyl-Methyl Ether (TAME)	ND		1.00	µg/L						
Tert-Butyl Alcohol (TBA)	ND		25.0	µg/L						
tert-Butylbenzene	ND		1.00	µg/L						
1,1,1,2-Tetrachloroethane	ND		1.00	µg/L						
1,1,2,2-Tetrachloroethane	ND		1.00	µg/L						
Tetrachloroethene	ND		1.00	µg/L						
Tetrahydrofuran	ND		20.0	µg/L						
Toluene	ND		1.00	µg/L						
1,2,3-Trichlorobenzene	ND		1.00	µg/L						
1,2,4-Trichlorobenzene	ND		1.00	µg/L						
1,1,1-Trichloroethane	ND		1.00	µg/L						
1,1,2-Trichloroethane	ND		1.00	µg/L						
Trichloroethene	ND		1.00	µg/L						
Trichlorofluoromethane	ND		1.00	µg/L						
1,2,3-Trichloropropane	ND		1.00	µg/L						
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1.00	µg/L						
1,3,5-Trimethylbenzene	ND		1.00	µg/L						
1,2,4-Trimethylbenzene	ND		1.00	µg/L						
Vinyl Chloride	ND		1.00	µg/L						
o-Xylene	ND		1.00	µg/L						
p/m-Xylene	ND		2.00	µg/L						
Total Xylenes	ND		3.00	µg/L						
Total Trihalomethanes (TTHM)	ND		1.00	µg/L						
Surrogate: Dibromofluoromethane	44.7			µg/L	50.0		89.5	60-140		
Surrogate: 4-Bromofluorobenzene	47.2			µg/L	50.0		94.3	60-140		
Surrogate: 1,2-Dichloroethane-d4	52.0			µg/L	50.0		104	60-140		
Surrogate: Toluene-d8	46.0			µg/L	50.0		91.9	60-140		

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8K0018 (Continued)										
LCS (B8K0018-BS1)										
Prepared & Analyzed: 11/16/2018										
Benzene	40.5		1.00	µg/L	40.0		101	70-130		
Bromobenzene	37.9		1.00	µg/L	40.0		94.7	70-130		
Bromodichloromethane	43.2		1.00	µg/L	40.0		108	70-130		
Bromoform	41.4		1.00	µg/L	40.0		103	70-130		
Chlorobenzene	41.1		1.00	µg/L	40.0		103	70-130		
Chloroethane	42.5		5.00	µg/L	40.0		106	70-130		
Chloroform	40.3		1.00	µg/L	40.0		101	70-130		
4-Chlorotoluene	46.7		1.00	µg/L	40.0		117	70-130		
Dibromomethane	40.5		1.00	µg/L	40.0		101	70-130		
1,2-Dichlorobenzene	41.8		1.00	µg/L	40.0		104	70-130		
1,1-Dichloroethene	38.2		1.00	µg/L	40.0		95.4	70-130		
1,2-Dichloropropane	44.5		1.00	µg/L	40.0		111	70-130		
2,2-Dichloropropane	40.4		1.00	µg/L	40.0		101	70-130		
1,1-Dichloropropene	38.3		1.00	µg/L	40.0		95.8	70-130		
Diethyl Ether	35.8		5.00	µg/L	40.0		89.4	70-130		
Diisopropyl Ether (DIPE)	43.5		1.00	µg/L	40.0		109	70-130		
Ethylbenzene	44.0		1.00	µg/L	40.0		110	70-130		
Hexachloro-1,3-Butadiene	39.0		1.00	µg/L	40.0		97.6	70-130		
Methylene Chloride	38.6		5.00	µg/L	40.0		96.6	70-130		
Methyl-t-Butyl Ether (MTBE)	38.0		1.00	µg/L	40.0		95.0	70-130		
Styrene	43.2		1.00	µg/L	40.0		108	70-130		
tert-Butylbenzene	41.3		1.00	µg/L	40.0		103	70-130		
Tetrachloroethene	36.0		1.00	µg/L	40.0		90.1	70-130		
Toluene	38.2		1.00	µg/L	40.0		95.6	70-130		
1,2,3-Trichlorobenzene	41.7		1.00	µg/L	40.0		104	70-130		
Trichloroethene	37.9		1.00	µg/L	40.0		94.8	70-130		
1,3,5-Trimethylbenzene	43.4		1.00	µg/L	40.0		109	70-130		
Vinyl Chloride	45.3		1.00	µg/L	40.0		113	70-130		
Surrogate: Dibromofluoromethane	44.9			µg/L	50.0		89.8	60-140		
Surrogate: 4-Bromofluorobenzene	50.4			µg/L	50.0		101	60-140		
Surrogate: 1,2-Dichloroethane-d4	50.3			µg/L	50.0		101	60-140		
Surrogate: Toluene-d8	46.2			µg/L	50.0		92.3	60-140		

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Project: ANCO 417 W. 164th St.
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 Project Manager: Charles Lindeman

Quality Control
 (Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8K0018 (Continued)										
LCS Dup (B8K0018-BSD1)										
Prepared & Analyzed: 11/16/2018										
Benzene	40.8		1.00	µg/L	40.0		102	70-130	0.590	20
Bromobenzene	41.0		1.00	µg/L	40.0		103	70-130	8.03	20
Bromodichloromethane	44.2		1.00	µg/L	40.0		111	70-130	2.38	20
Bromoform	44.4		1.00	µg/L	40.0		111	70-130	7.11	20
Chlorobenzene	43.2		1.00	µg/L	40.0		108	70-130	4.84	20
Chloroethane	42.4		5.00	µg/L	40.0		106	70-130	0.259	20
Chloroform	41.2		1.00	µg/L	40.0		103	70-130	2.36	20
4-Chlorotoluene	48.7		1.00	µg/L	40.0		122	70-130	4.26	20
Dibromomethane	41.9		1.00	µg/L	40.0		105	70-130	3.30	20
1,2-Dichlorobenzene	43.9		1.00	µg/L	40.0		110	70-130	5.04	20
1,1-Dichloroethene	39.2		1.00	µg/L	40.0		98.0	70-130	2.59	20
1,2-Dichloropropane	44.9		1.00	µg/L	40.0		112	70-130	0.828	20
2,2-Dichloropropane	41.6		1.00	µg/L	40.0		104	70-130	2.91	20
1,1-Dichloropropene	39.8		1.00	µg/L	40.0		99.6	70-130	3.94	20
Diethyl Ether	36.9		5.00	µg/L	40.0		92.2	70-130	2.97	20
Diisopropyl Ether (DIPE)	44.5		1.00	µg/L	40.0		111	70-130	2.23	20
Ethylbenzene	45.0		1.00	µg/L	40.0		113	70-130	2.20	20
Hexachloro-1,3-Butadiene	41.7		1.00	µg/L	40.0		104	70-130	6.56	20
Methylene Chloride	39.7		5.00	µg/L	40.0		99.3	70-130	2.73	20
Methyl-t-Butyl Ether (MTBE)	39.4		1.00	µg/L	40.0		98.4	70-130	3.54	20
Styrene	45.6		1.00	µg/L	40.0		114	70-130	5.48	20
tert-Butylbenzene	44.9		1.00	µg/L	40.0		112	70-130	8.47	20
Tetrachloroethene	38.2		1.00	µg/L	40.0		95.6	70-130	5.95	20
Toluene	39.4		1.00	µg/L	40.0		98.6	70-130	3.04	20
1,2,3-Trichlorobenzene	42.8		1.00	µg/L	40.0		107	70-130	2.74	20
Trichloroethene	39.0		1.00	µg/L	40.0		97.5	70-130	2.78	20
1,3,5-Trimethylbenzene	45.6		1.00	µg/L	40.0		114	70-130	4.94	20
Vinyl Chloride	46.5		1.00	µg/L	40.0		116	70-130	2.59	20
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Surrogate: Dibromofluoromethane	45.4			µg/L	50.0		90.8	60-140		
Surrogate: 4-Bromofluorobenzene	50.6			µg/L	50.0		101	60-140		
Surrogate: 1,2-Dichloroethane-d4	50.0			µg/L	50.0		100	60-140		
Surrogate: Toluene-d8	46.0			µg/L	50.0		92.0	60-140		

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: B8K0020

Blank (B8K0020-BLK1)

Prepared & Analyzed: 11/20/2018

Acetone	ND		20.0	µg/L						
Acetonitrile	ND		20.0	µg/L						
Acrylonitrile	ND		5.00	µg/L						
Allyl Chloride	ND		1.00	µg/L						
Benzene	ND		1.00	µg/L						
Bromobenzene	ND		1.00	µg/L						
Bromochloromethane	ND		1.00	µg/L						
Bromodichloromethane	ND		1.00	µg/L						
Bromoform	ND		1.00	µg/L						
Bromomethane	ND		5.00	µg/L						
2-Butanone (Methyl Ethyl Ketone - MEK)	ND		5.00	µg/L						
n-Butylbenzene	ND		1.00	µg/L						
Carbon Disulfide	ND		1.00	µg/L						
Carbon Tetrachloride	ND		1.00	µg/L						
Chlorobenzene	ND		1.00	µg/L						
Chloroethane	ND		5.00	µg/L						
Chloroform	ND		1.00	µg/L						
Chloromethane	ND		5.00	µg/L						
Chloroprene	ND		1.00	µg/L						
2-Chlorotoluene	ND		1.00	µg/L						
4-Chlorotoluene	ND		1.00	µg/L						
1,2-Dibromo-3-Chloropropane	ND		5.00	µg/L						
Dibromochloromethane	ND		1.00	µg/L						
1,2-Dibromoethane (EDB)	ND		1.00	µg/L						
Dibromomethane	ND		1.00	µg/L						
cis-1,4-dichloro-2-butene	ND		1.00	µg/L						
t-1,4-Dichloro-2-Butene	ND		1.00	µg/L						
1,2-Dichlorobenzene	ND		1.00	µg/L						
1,3-Dichlorobenzene	ND		1.00	µg/L						
1,4-Dichlorobenzene	ND		1.00	µg/L						
Dichlorodifluoromethane (Freon 12)	ND		1.00	µg/L						
1,1-Dichloroethane	ND		1.00	µg/L						
1,2-Dichloroethane	ND		1.00	µg/L						
1,1-Dichloroethene	ND		1.00	µg/L						
c-1,2-Dichloroethene	ND		1.00	µg/L						
c-1,3-Dichloropropene	ND		1.00	µg/L						
t-1,2-Dichloroethene	ND		1.00	µg/L						
1,2-Dichloropropane	ND		1.00	µg/L						
1,3-Dichloropropane	ND		1.00	µg/L						
2,2-Dichloropropane	ND		1.00	µg/L						
1,1-Dichloropropene	ND		1.00	µg/L						
t-1,3-Dichloropropene	ND		1.00	µg/L						
Diethyl Ether	ND		5.00	µg/L						
Diisopropyl Ether (DIPE)	ND		1.00	µg/L						
Ethylbenzene	ND		1.00	µg/L						

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Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: B8K0020 (Continued)

Blank (B8K0020-BLK1)

Prepared & Analyzed: 11/20/2018

Ethyl Methacrylate	ND		5.00	µg/L						
Ethyl-tert-butyl-ether (ETBE)	ND		1.00	µg/L						
Hexachloro-1,3-Butadiene	ND		1.00	µg/L						
2-Hexanone	ND		5.00	µg/L						
Isopropylbenzene	ND		1.00	µg/L						
p-Isopropyltoluene	ND		1.00	µg/L						
Methacrylonitrile	ND		1.00	µg/L						
Methylene Chloride	ND		5.00	µg/L						
Methyl Methacrylate	ND		1.00	µg/L						
4-Methyl-2-Pentanone	ND		20.0	µg/L						
Methyl-t-Butyl Ether (MTBE)	ND		1.00	µg/L						
Naphthalene	ND		5.00	µg/L						
Propionitrile	ND		5.00	µg/L						
n-Propylbenzene	ND		1.00	µg/L						
sec-Butylbenzene	ND		1.00	µg/L						
Styrene	ND		1.00	µg/L						
Tert-amyl-Methyl Ether (TAME)	ND		1.00	µg/L						
Tert-Butyl Alcohol (TBA)	ND		25.0	µg/L						
tert-Butylbenzene	ND		1.00	µg/L						
1,1,1,2-Tetrachloroethane	ND		1.00	µg/L						
1,1,2,2-Tetrachloroethane	ND		1.00	µg/L						
Tetrachloroethene	ND		1.00	µg/L						
Tetrahydrofuran	ND		20.0	µg/L						
Toluene	ND		1.00	µg/L						
1,2,3-Trichlorobenzene	ND		1.00	µg/L						
1,2,4-Trichlorobenzene	ND		1.00	µg/L						
1,1,1-Trichloroethane	ND		1.00	µg/L						
1,1,2-Trichloroethane	ND		1.00	µg/L						
Trichloroethene	ND		1.00	µg/L						
Trichlorofluoromethane	ND		1.00	µg/L						
1,2,3-Trichloropropane	ND		1.00	µg/L						
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1.00	µg/L						
1,3,5-Trimethylbenzene	ND		1.00	µg/L						
1,2,4-Trimethylbenzene	ND		1.00	µg/L						
Vinyl Chloride	ND		1.00	µg/L						
o-Xylene	ND		1.00	µg/L						
p/m-Xylene	ND		2.00	µg/L						
Total Xylenes	ND		3.00	µg/L						
Total Trihalomethanes (TTHM)	ND		1.00	µg/L						
Surrogate: Dibromofluoromethane	44.5			µg/L	50.0		89.0	60-140		
Surrogate: 4-Bromofluorobenzene	48.1			µg/L	50.0		96.3	60-140		
Surrogate: 1,2-Dichloroethane-d4	54.7			µg/L	50.0		109	60-140		
Surrogate: Toluene-d8	45.5			µg/L	50.0		91.0	60-140		

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Project: ANCO 417 W. 164th St.
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Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8K0020 (Continued)										
LCS (B8K0020-BS1)										
Prepared & Analyzed: 11/20/2018										
Benzene	40.0		1.00	µg/L	40.0		100	70-130		
Bromobenzene	36.8		1.00	µg/L	40.0		92.0	70-130		
Bromodichloromethane	43.1		1.00	µg/L	40.0		108	70-130		
Bromoform	39.8		1.00	µg/L	40.0		99.4	70-130		
Chlorobenzene	40.8		1.00	µg/L	40.0		102	70-130		
Chloroethane	43.3		5.00	µg/L	40.0		108	70-130		
Chloroform	39.4		1.00	µg/L	40.0		98.6	70-130		
4-Chlorotoluene	48.9		1.00	µg/L	40.0		122	70-130		
Dibromomethane	39.2		1.00	µg/L	40.0		98.0	70-130		
1,2-Dichlorobenzene	41.0		1.00	µg/L	40.0		102	70-130		
1,1-Dichloroethene	39.0		1.00	µg/L	40.0		97.6	70-130		
1,2-Dichloropropane	46.1		1.00	µg/L	40.0		115	70-130		
2,2-Dichloropropane	41.1		1.00	µg/L	40.0		103	70-130		
1,1-Dichloropropene	38.4		1.00	µg/L	40.0		96.1	70-130		
Diethyl Ether	39.0		5.00	µg/L	40.0		97.6	70-130		
Diisopropyl Ether (DIPE)	48.0		1.00	µg/L	40.0		120	70-130		
Ethylbenzene	43.6		1.00	µg/L	40.0		109	70-130		
Hexachloro-1,3-Butadiene	38.3		1.00	µg/L	40.0		95.8	70-130		
Methylene Chloride	38.5		5.00	µg/L	40.0		96.2	70-130		
Methyl-t-Butyl Ether (MTBE)	38.9		1.00	µg/L	40.0		97.3	70-130		
Styrene	42.8		1.00	µg/L	40.0		107	70-130		
tert-Butylbenzene	42.4		1.00	µg/L	40.0		106	70-130		
Tetrachloroethene	33.6		1.00	µg/L	40.0		84.0	70-130		
Toluene	37.9		1.00	µg/L	40.0		94.8	70-130		
1,2,3-Trichlorobenzene	39.8		1.00	µg/L	40.0		99.4	70-130		
Trichloroethene	36.4		1.00	µg/L	40.0		91.1	70-130		
1,3,5-Trimethylbenzene	42.6		1.00	µg/L	40.0		106	70-130		
Vinyl Chloride	47.5		1.00	µg/L	40.0		119	70-130		

Surrogate: Dibromofluoromethane	44.7			µg/L	50.0		89.4	60-140		
Surrogate: 4-Bromofluorobenzene	50.9			µg/L	50.0		102	60-140		
Surrogate: 1,2-Dichloroethane-d4	52.0			µg/L	50.0		104	60-140		
Surrogate: Toluene-d8	45.9			µg/L	50.0		91.7	60-140		

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Project: ANCO 417 W. 164th St.
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Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8K0020 (Continued)										
LCS Dup (B8K0020-BSD1)				Prepared & Analyzed: 11/20/2018						
Benzene	41.0		1.00	µg/L	40.0		102	70-130	2.35	20
Bromobenzene	36.8		1.00	µg/L	40.0		92.1	70-130	0.0814	20
Bromodichloromethane	43.8		1.00	µg/L	40.0		109	70-130	1.59	20
Bromoform	39.6		1.00	µg/L	40.0		99.0	70-130	0.378	20
Chlorobenzene	41.1		1.00	µg/L	40.0		103	70-130	0.806	20
Chloroethane	43.5		5.00	µg/L	40.0		109	70-130	0.346	20
Chloroform	40.8		1.00	µg/L	40.0		102	70-130	3.49	20
4-Chlorotoluene	49.1		1.00	µg/L	40.0		123	70-130	0.449	20
Dibromomethane	39.9		1.00	µg/L	40.0		99.6	70-130	1.64	20
1,2-Dichlorobenzene	41.6		1.00	µg/L	40.0		104	70-130	1.57	20
1,1-Dichloroethene	39.6		1.00	µg/L	40.0		99.0	70-130	1.45	20
1,2-Dichloropropane	46.7		1.00	µg/L	40.0		117	70-130	1.25	20
2,2-Dichloropropane	41.8		1.00	µg/L	40.0		105	70-130	1.76	20
1,1-Dichloropropene	39.4		1.00	µg/L	40.0		98.4	70-130	2.39	20
Diethyl Ether	39.2		5.00	µg/L	40.0		98.1	70-130	0.511	20
Diisopropyl Ether (DIPE)	48.9		1.00	µg/L	40.0		122	70-130	1.98	20
Ethylbenzene	43.9		1.00	µg/L	40.0		110	70-130	0.595	20
Hexachloro-1,3-Butadiene	39.2		1.00	µg/L	40.0		98.1	70-130	2.37	20
Methylene Chloride	38.4		5.00	µg/L	40.0		96.1	70-130	0.0260	20
Methyl-t-Butyl Ether (MTBE)	39.7		1.00	µg/L	40.0		99.2	70-130	1.88	20
Styrene	42.9		1.00	µg/L	40.0		107	70-130	0.280	20
tert-Butylbenzene	43.6		1.00	µg/L	40.0		109	70-130	2.93	20
Tetrachloroethene	33.2		1.00	µg/L	40.0		83.1	70-130	1.17	20
Toluene	38.5		1.00	µg/L	40.0		96.3	70-130	1.54	20
1,2,3-Trichlorobenzene	39.9		1.00	µg/L	40.0		99.7	70-130	0.251	20
Trichloroethene	37.6		1.00	µg/L	40.0		94.1	70-130	3.27	20
1,3,5-Trimethylbenzene	43.0		1.00	µg/L	40.0		107	70-130	0.912	20
Vinyl Chloride	47.4		1.00	µg/L	40.0		119	70-130	0.211	20
Surrogate: Dibromofluoromethane	44.3			µg/L	50.0		88.5	60-140		
Surrogate: 4-Bromofluorobenzene	51.4			µg/L	50.0		103	60-140		
Surrogate: 1,2-Dichloroethane-d4	53.0			µg/L	50.0		106	60-140		
Surrogate: Toluene-d8	46.8			µg/L	50.0		93.7	60-140		

Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Notes and Definitions

Item	Definition
Dry	Sample results reported on a dry weight basis.
ND	Analyte NOT DETECTED at or above the reporting limit.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.
(R)	Re-run for dilution or confirmation.

REQUESTED ANALYSIS

Client Name: **Keymaster Env. Con.**
Address: **5500 Arroyo St #210**
PO Box 90815

Project Manager: **Charlie Linderman**
Email: **charlie@keymasterenv.com**
Phone: **542-799-9886**

Project Name/Number: **ANCO 417 W / 641k**

P.O. Number

Sampled By: **Mike Doroed**

Client Sample ID / Description

Sample Date

Sample Time

Sample Matrix*

Container**

Quantity/ Type/ Preservation

Client Sample ID / Description	Sample Date	Sample Time	Sample Matrix*	Container**	Quantity/ Type/ Preservation	Requested Analysis
1 MW-12D	11/15/18	11:28	W	3	300A H	8260B VOC's
2 MW-14C	10/24					X
3 MW-9D	09/22					X
4 MW-13B	11/22					X
5						
6						
7						
8						
9						
10						

PAL Containers used: Yes No
Type of Ice used: Mel Blue None
Sample Preservative: Yes No

TAT Needed (circle one) **STD** 5 day 24 **RUSH** 48 72

EDD Required - Circle one: EDD FDD

Receipt Temp/Initials: **-1.5°C WW**
(Temp recorded is not corrected)

9/062/10 #SL2041F1507

RELINQUISHED BY: **Mike Doroed** DATE: **11/15/18** TIME: **1336**
Signature: **[Signature]**
Print: **Mike Doroed**
Company: **KEC**

RECEIVED BY: **Walter Zuel** DATE: **11/15/18** TIME: **1336**
Signature: **[Signature]**
Print: **Walter Zuel**
Company: **PAL**

RECEIVED BY: _____ DATE: _____ TIME: _____
Signature: _____
Print: _____
Company: _____

**Matrix Codes: (S = Soils); (P = Product); (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater); (W = Other Water); (O = Other)
**Container Code: (V = VOA); (P = Poly); (G = Glass); (L = Sleeve); (J = Jar)
**Preservation Code: (H = HCl); (N = HNO3); (S = H2SO4); (O = NaOH); (Z = Zinc Acetate)

SAMPLE RECEIPT FORM

WORK ORDER ID
9811014

Cooler 1 OF 1

Date Received: 11/15/18

Client Leymaster
 Courier CLIENT PALI OTHER _____ FEDEX UPS Tracking # _____

TEMPERATURE: Criteria 0.0°C - 6.0°C

Cooler ID	Temperature Reading	Temperature w/o CF (°C)	Correction Factor (CF) (°C)	Temperature with CF (°C)	Thermometer ID
	<input type="radio"/> Blank <input checked="" type="radio"/> Sample	-1.2	0.0	-1.2	TM-12

WET ICE BLUE ICE AMBIENT OTHER _____
 Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

CUSTODY SEALS

Cooler Seal Present and Intact Present and **NOT** Intact Seals signed and dated Not Present
 Sample Seal Present and Intact Present and **NOT** Intact Seals signed and dated Not Present

CLIENT COC

INCLUDED NOT INCLUDED Complete Incomplete, See Notes/Discrepancy Form

SAMPLE MATRIX

SOLID LIQUID AIR OTHER _____

SAMPLE CONDITION

	YES	NO	N/A
All sample containers received intact and in good condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All samples listed on COC(s) are present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All sample info on containers are consistent with sample info on COC(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Correct containers for analyses requested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sufficient volume for analyses requested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper preservation chemical(s) noted on COC and/or sample container	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All samples received within method holding time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Volatile analysis containers free of headspace larger than 6mm	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NOTES

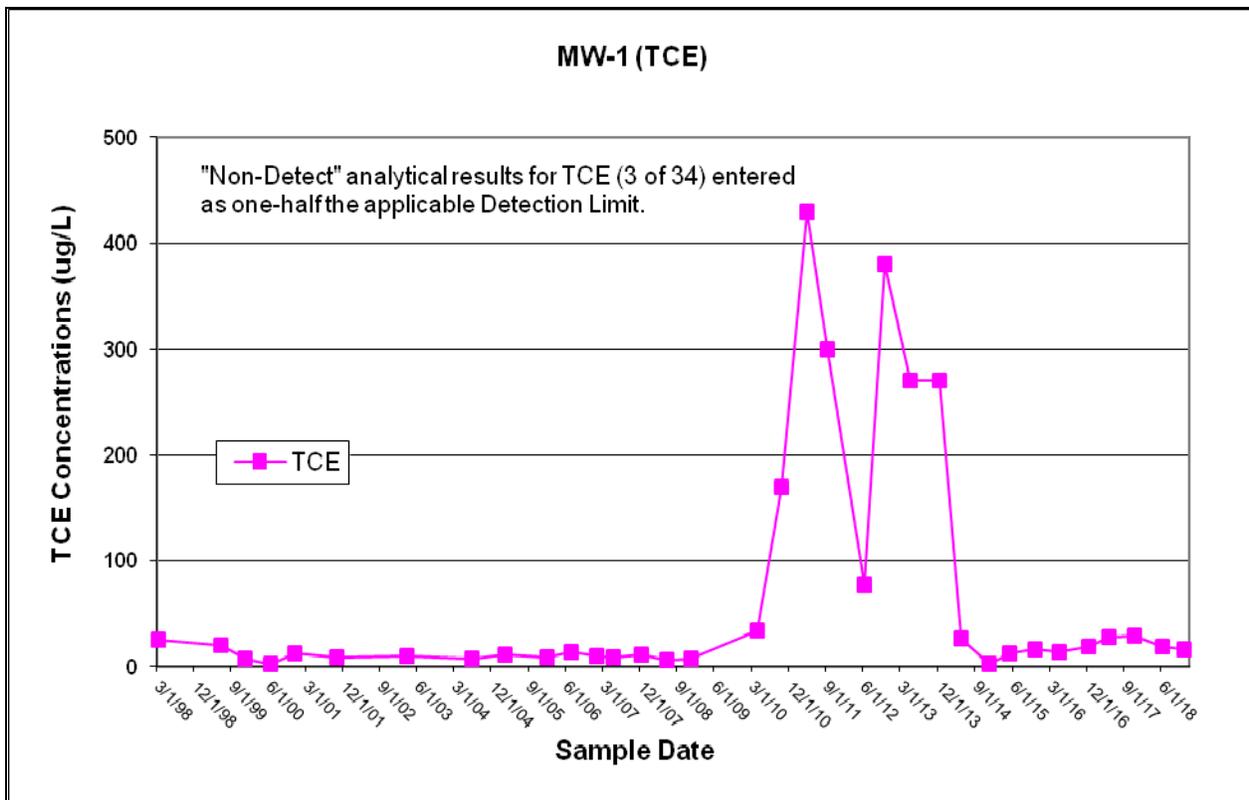
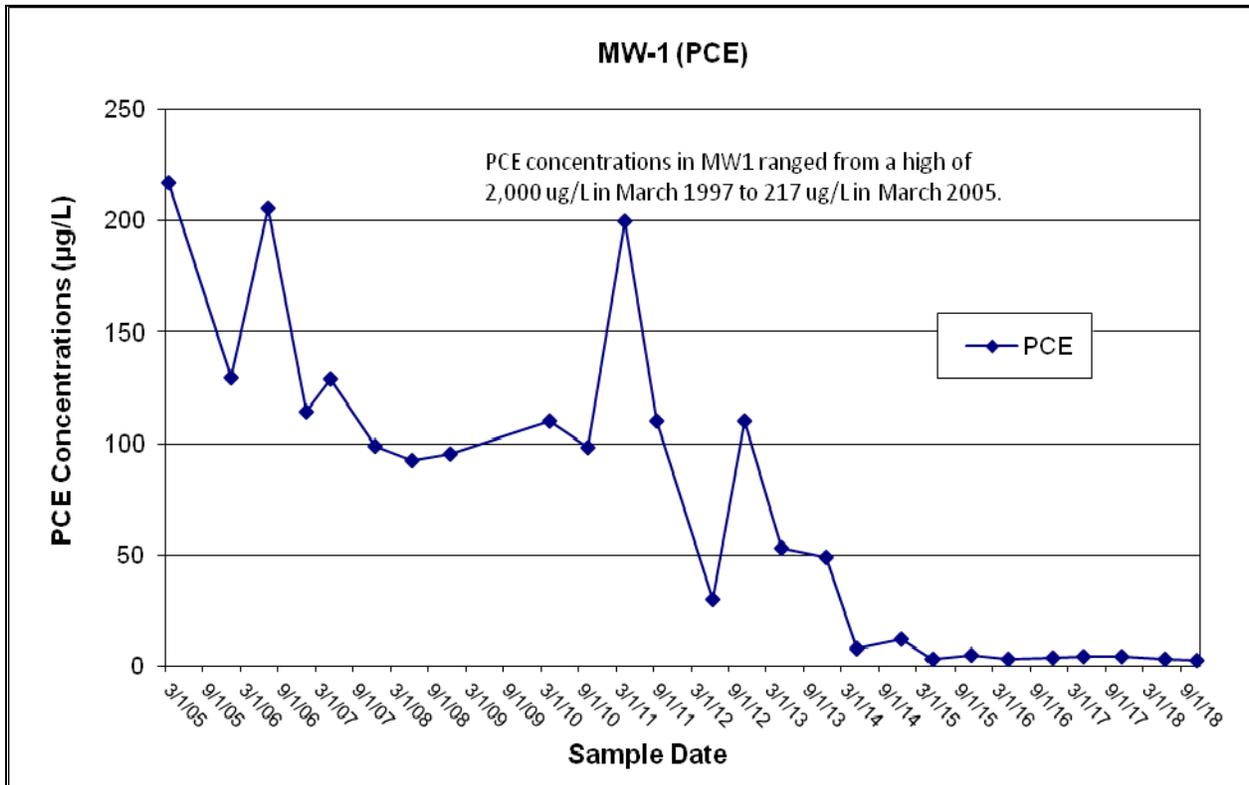
<u>MV</u>	<u>11/15/18</u>		
Initials	Date	Initials	Date

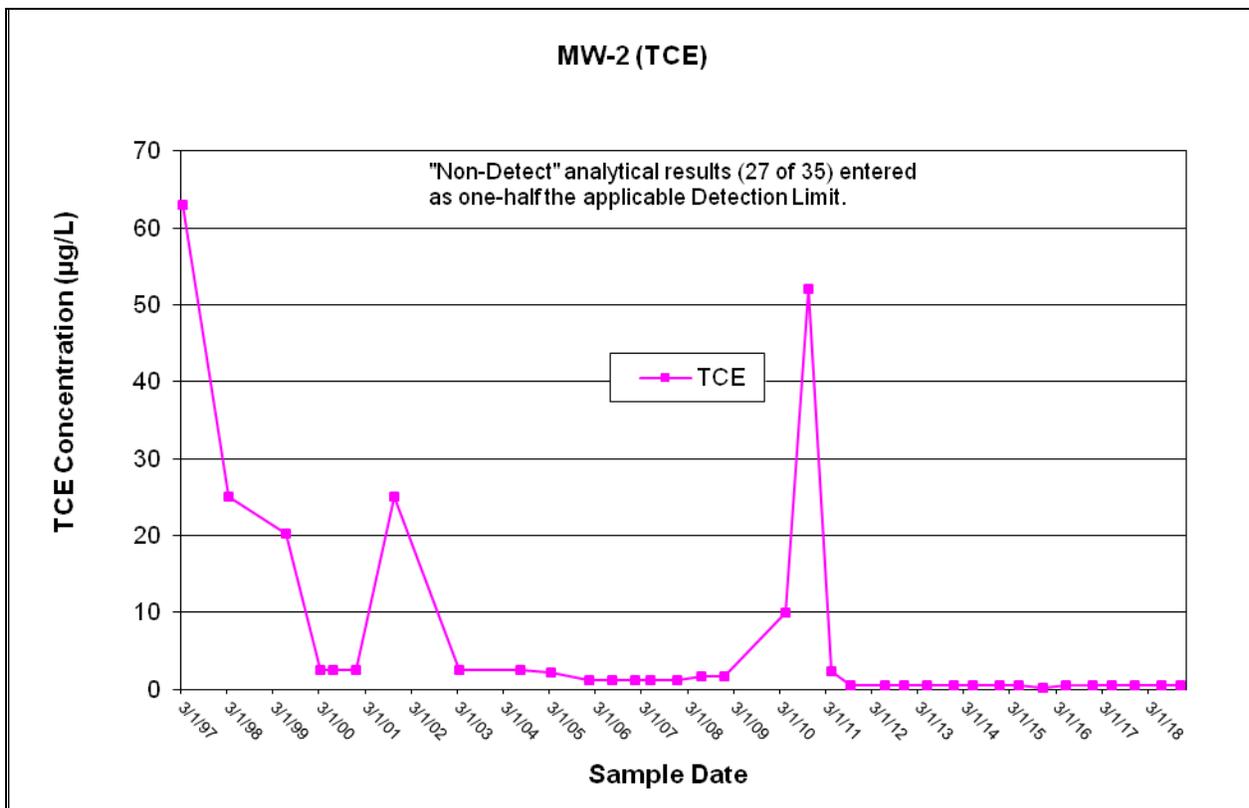
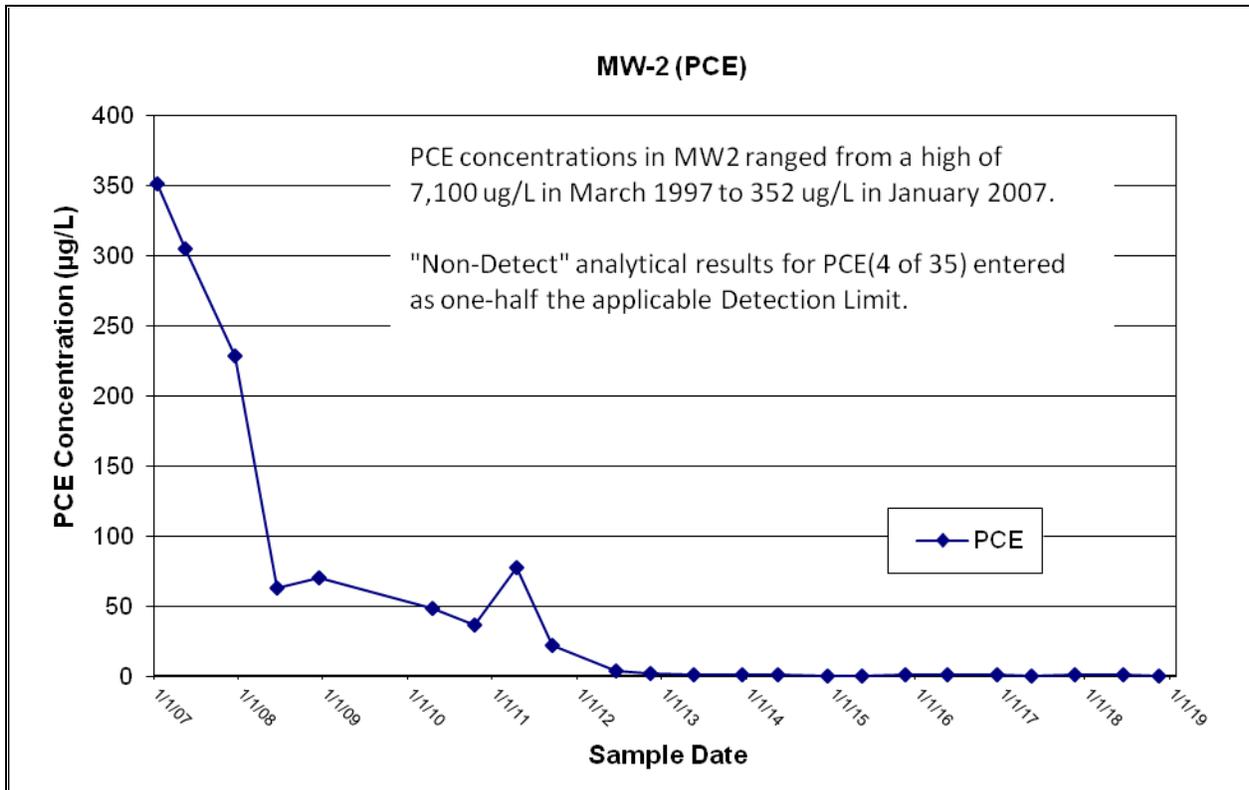
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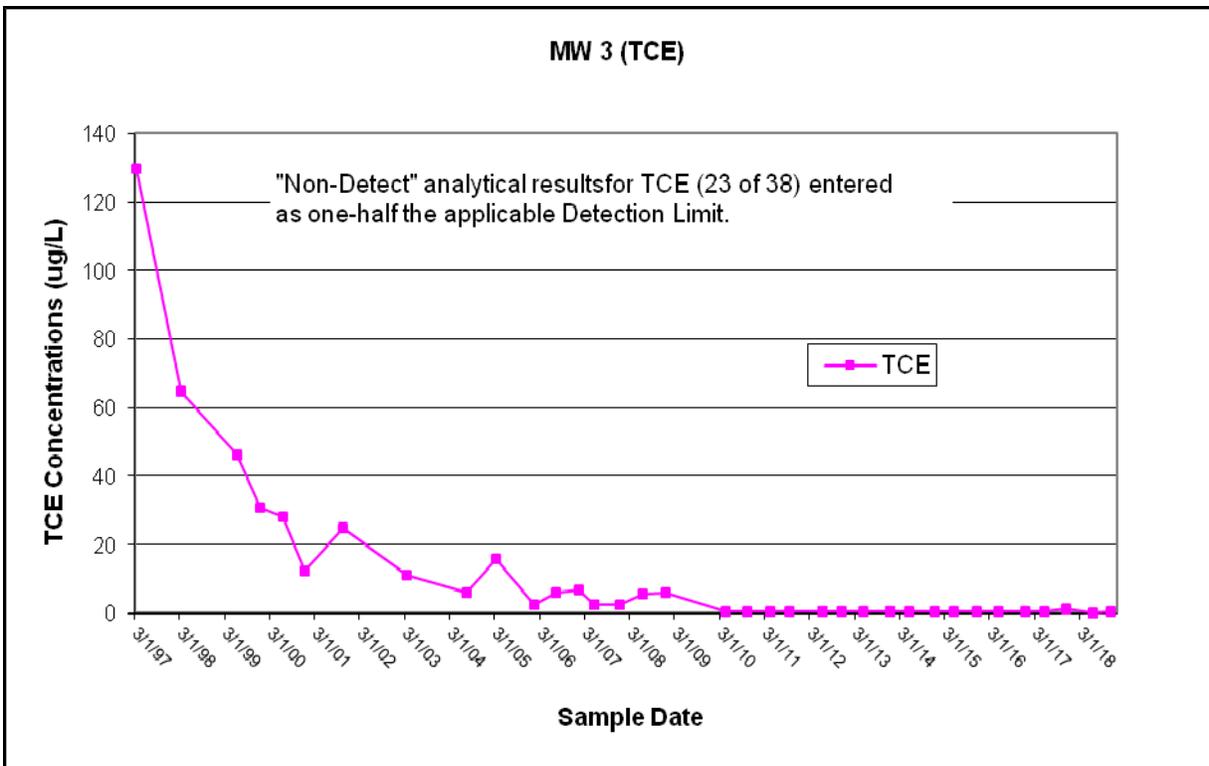
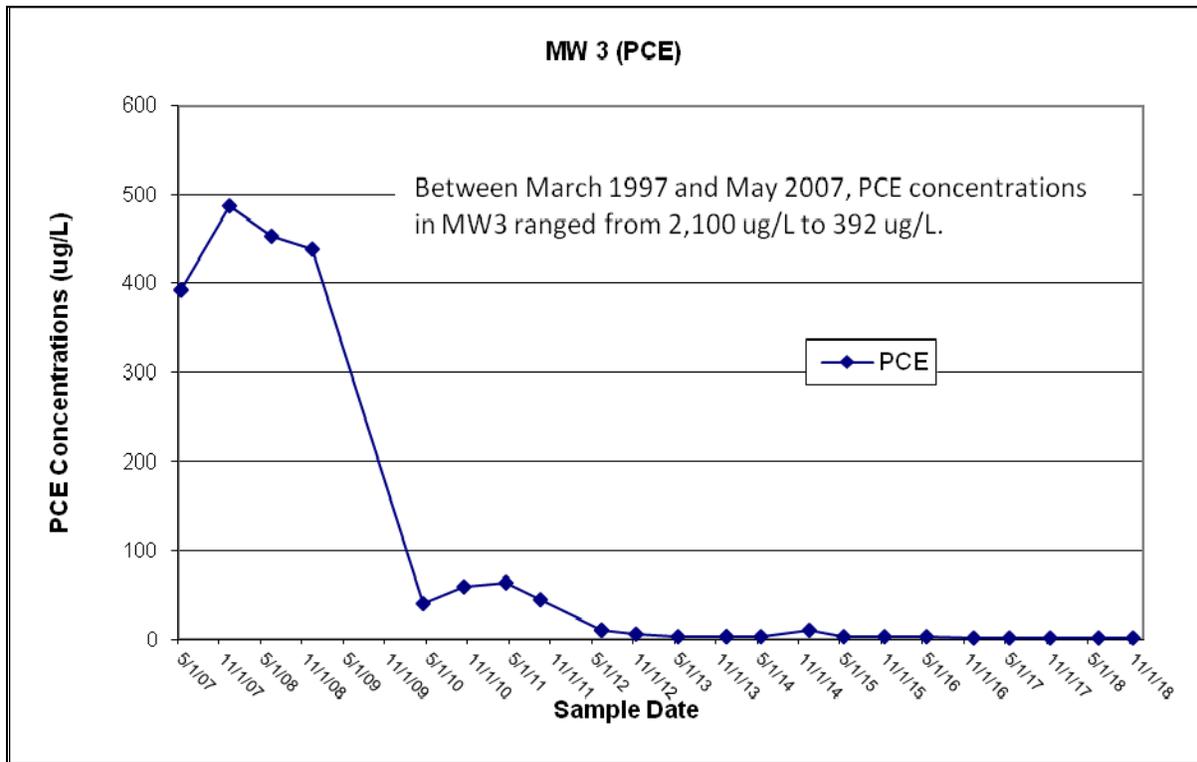
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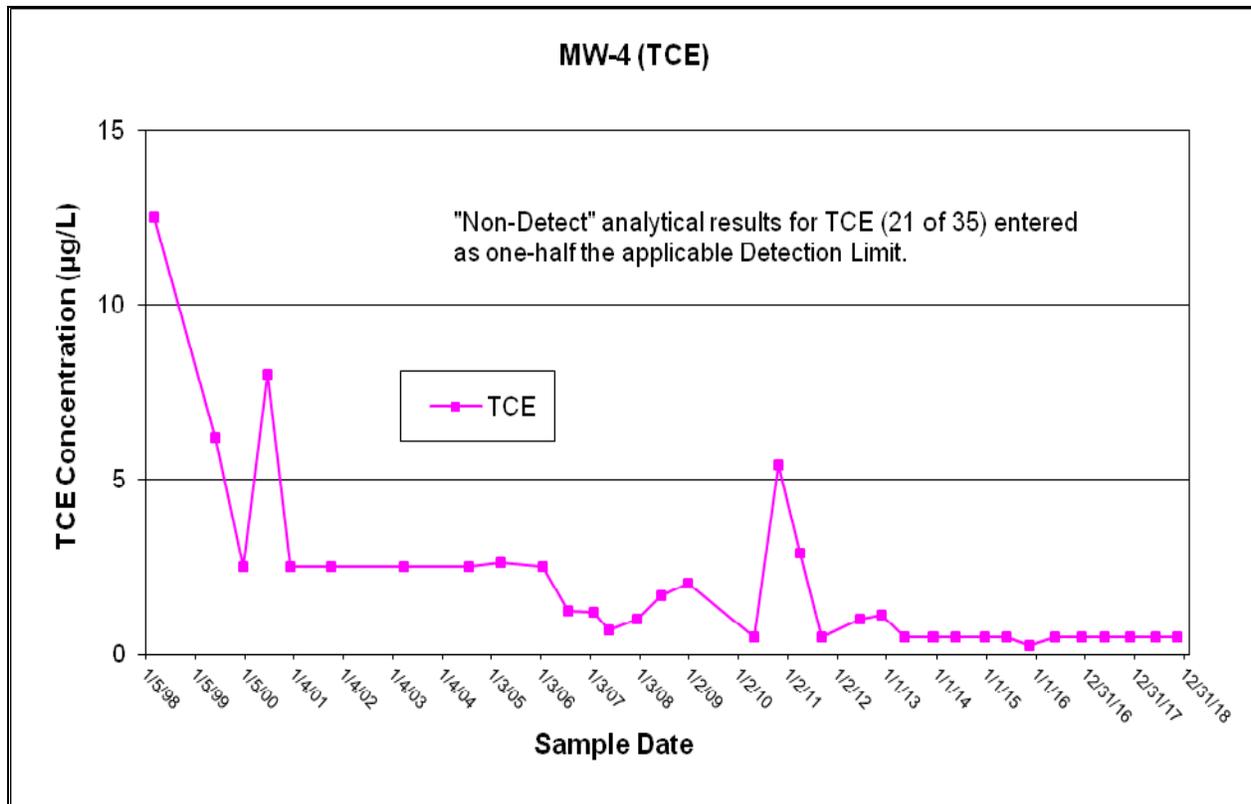
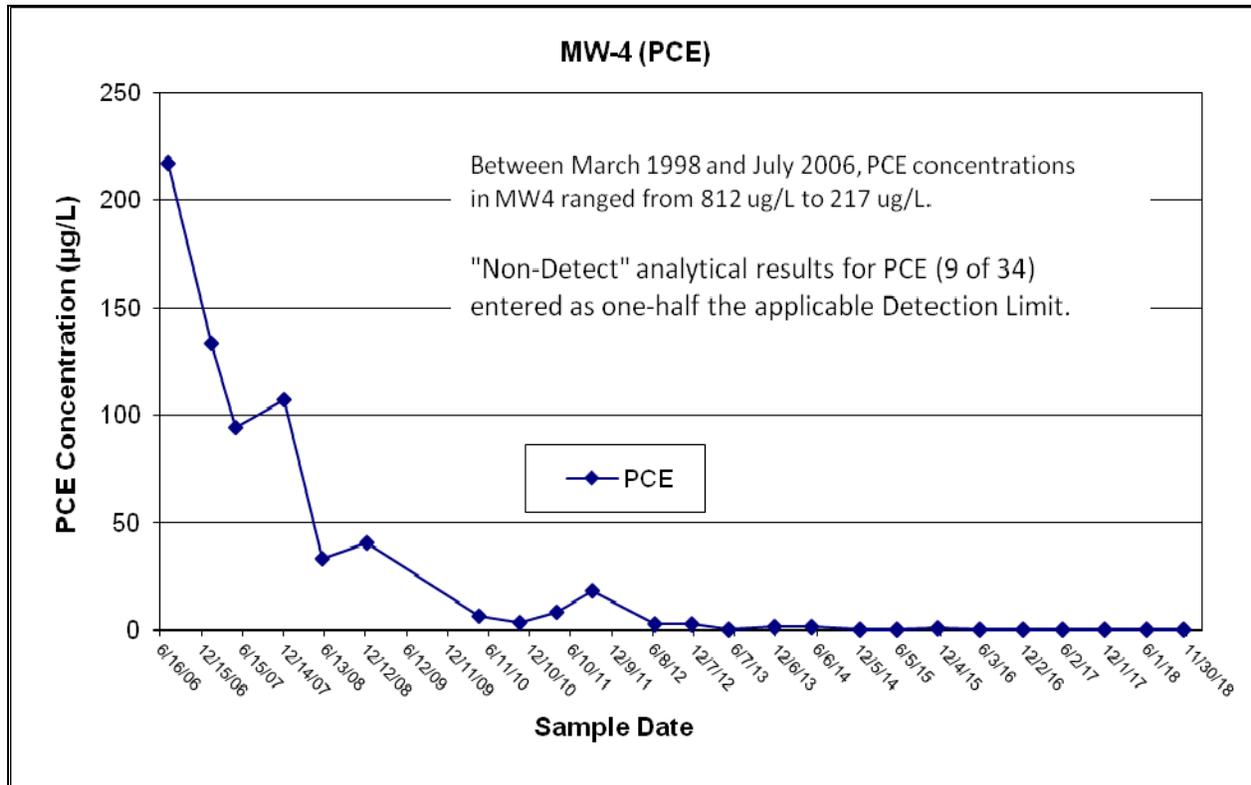
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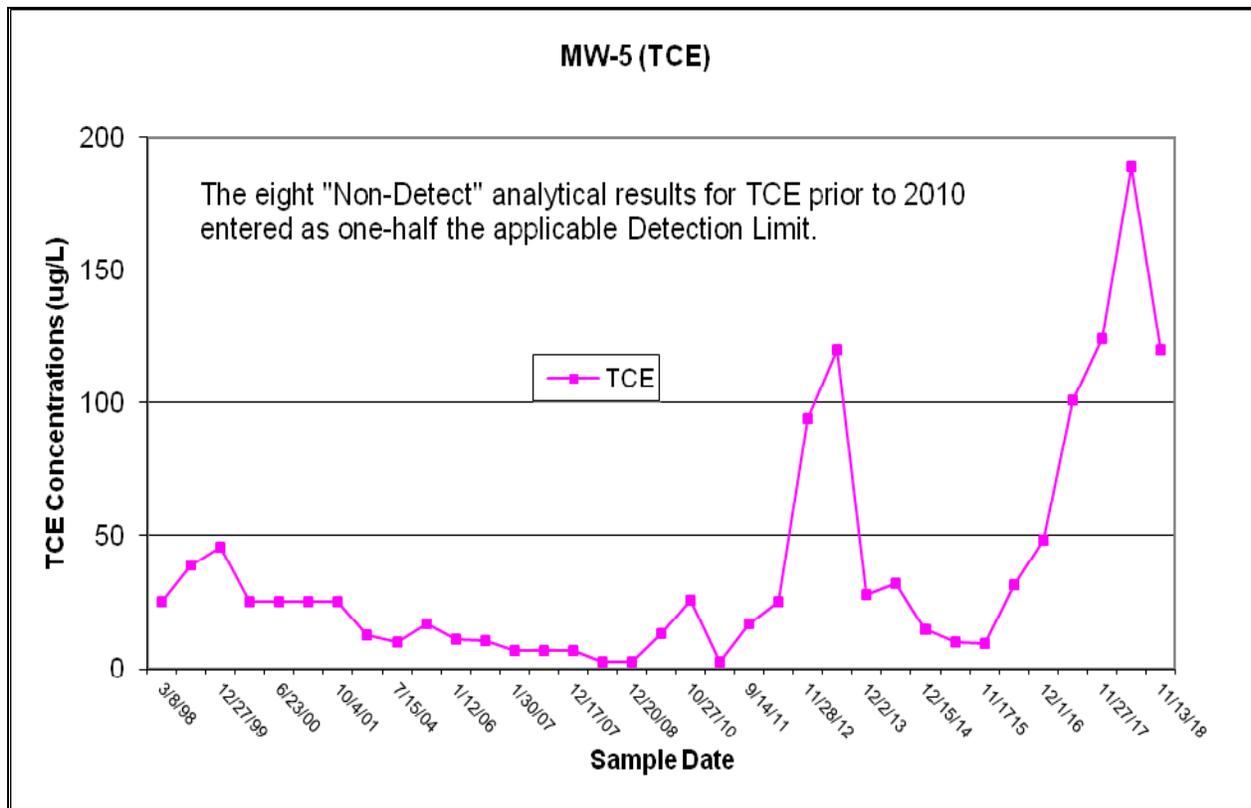
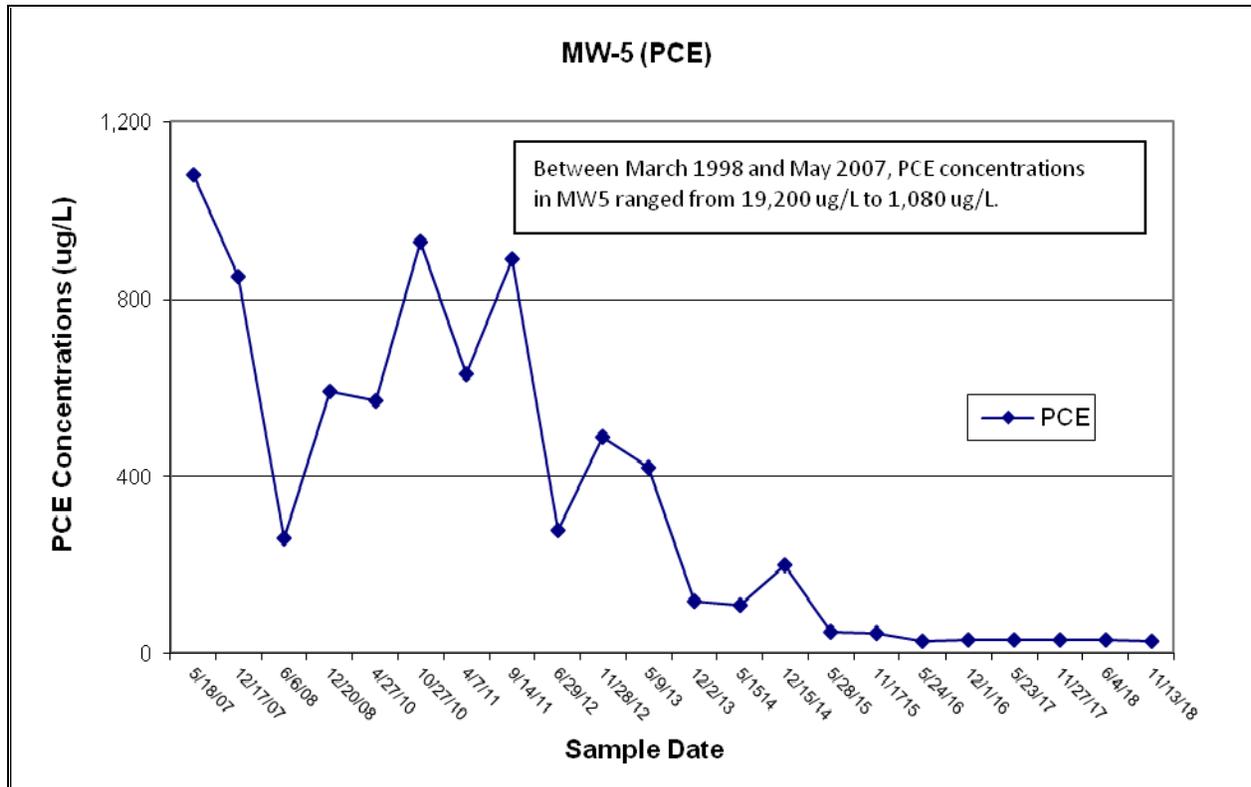
Second Half 2018

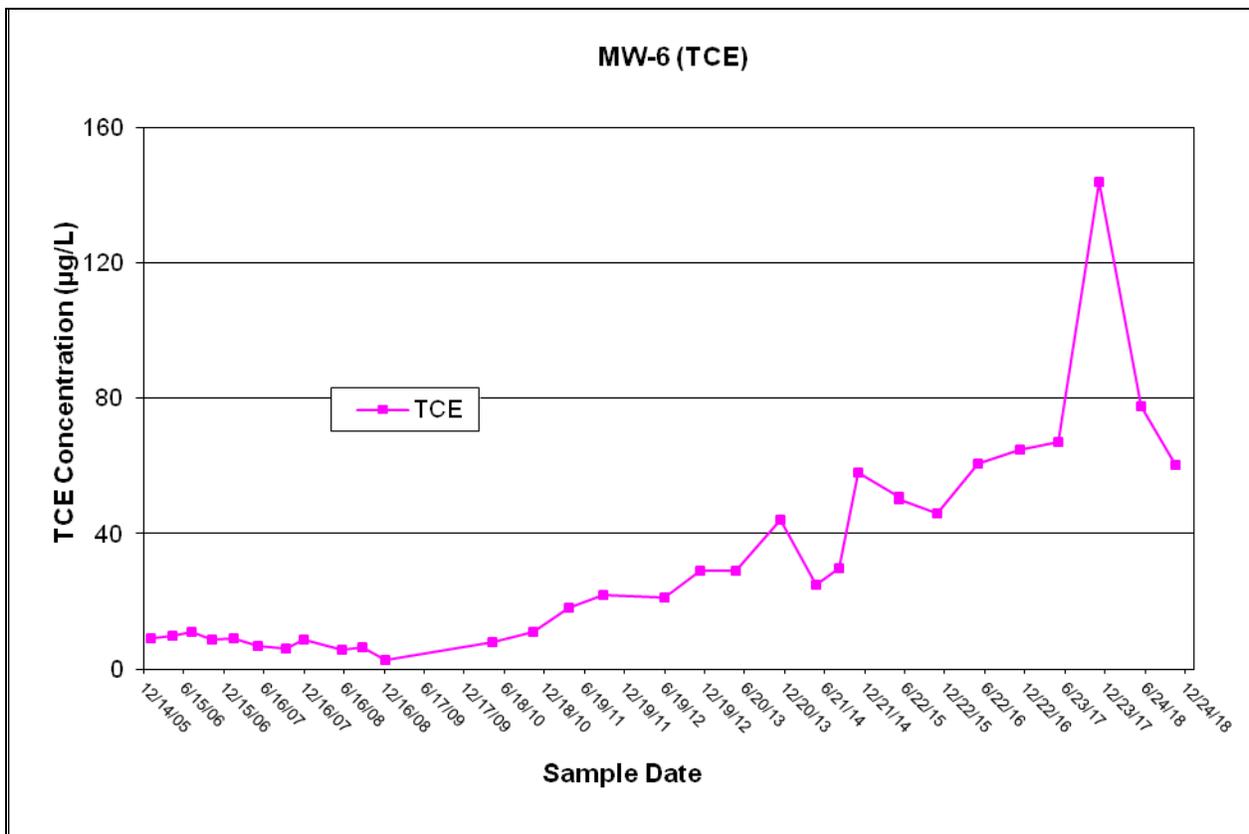
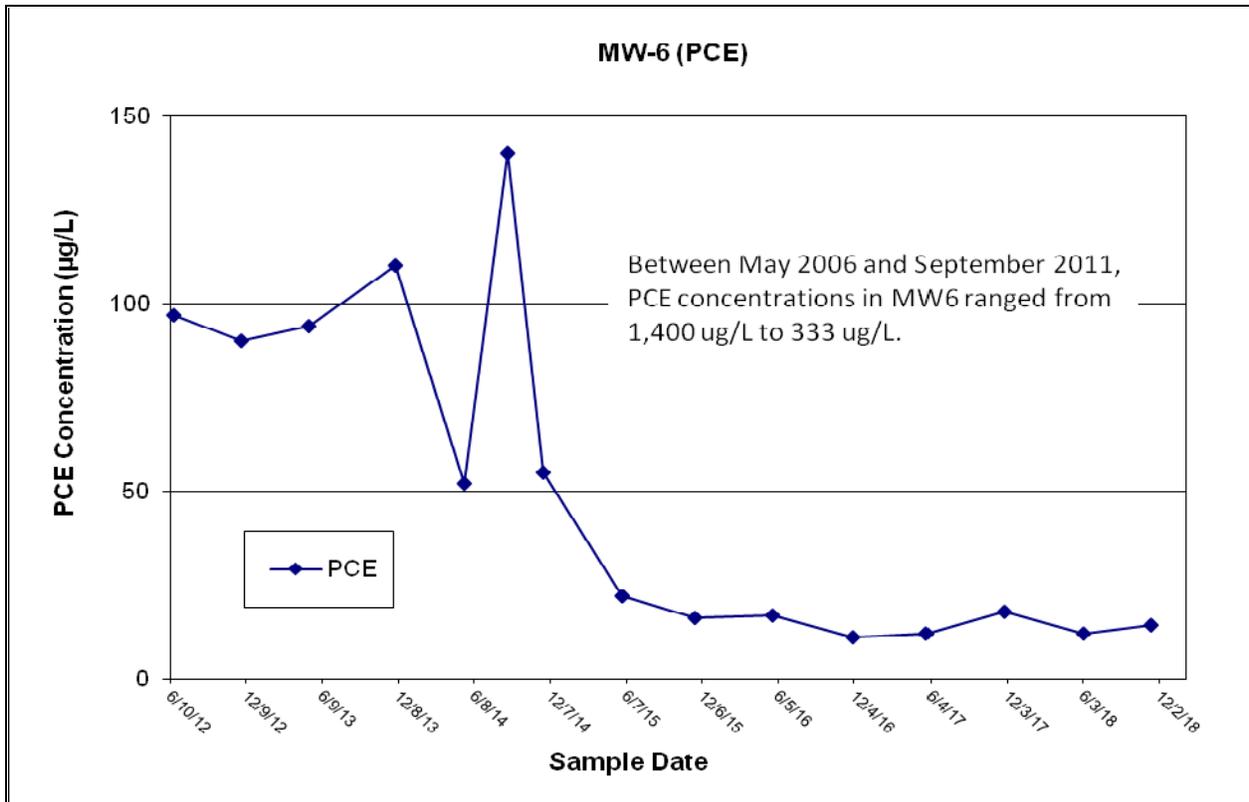


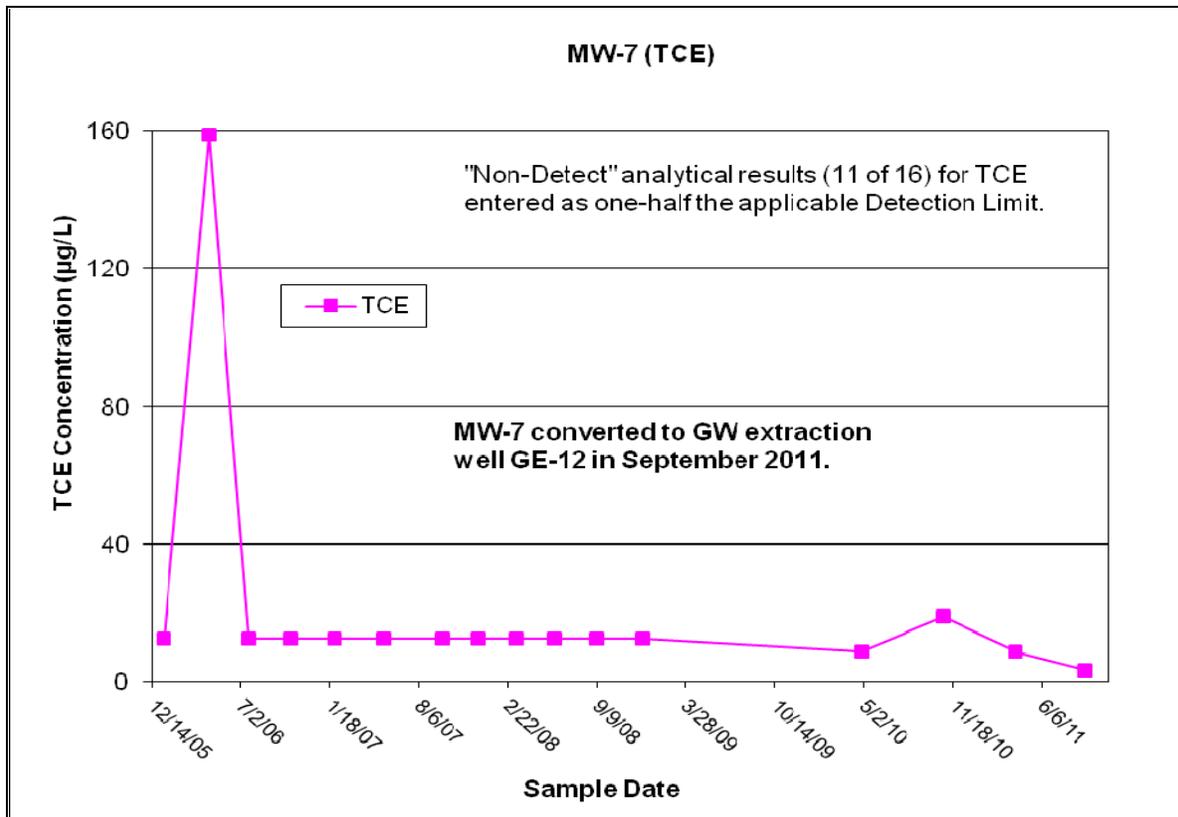
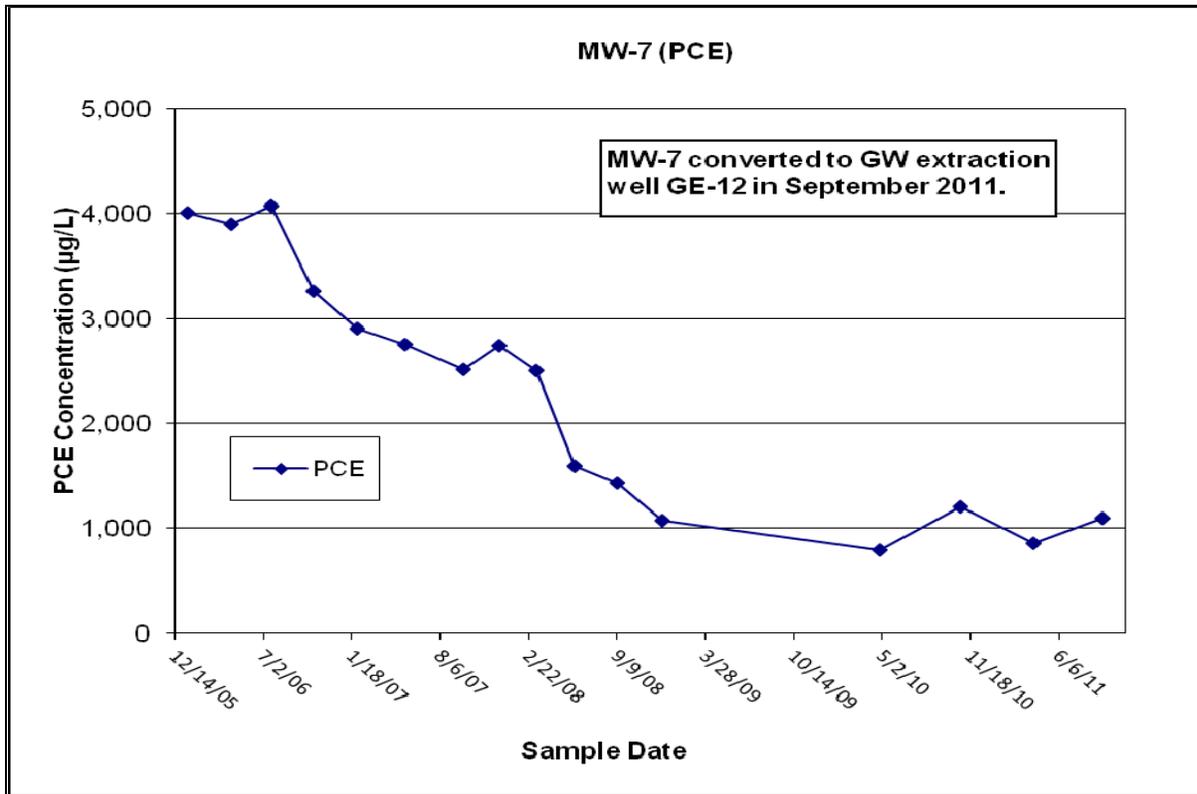


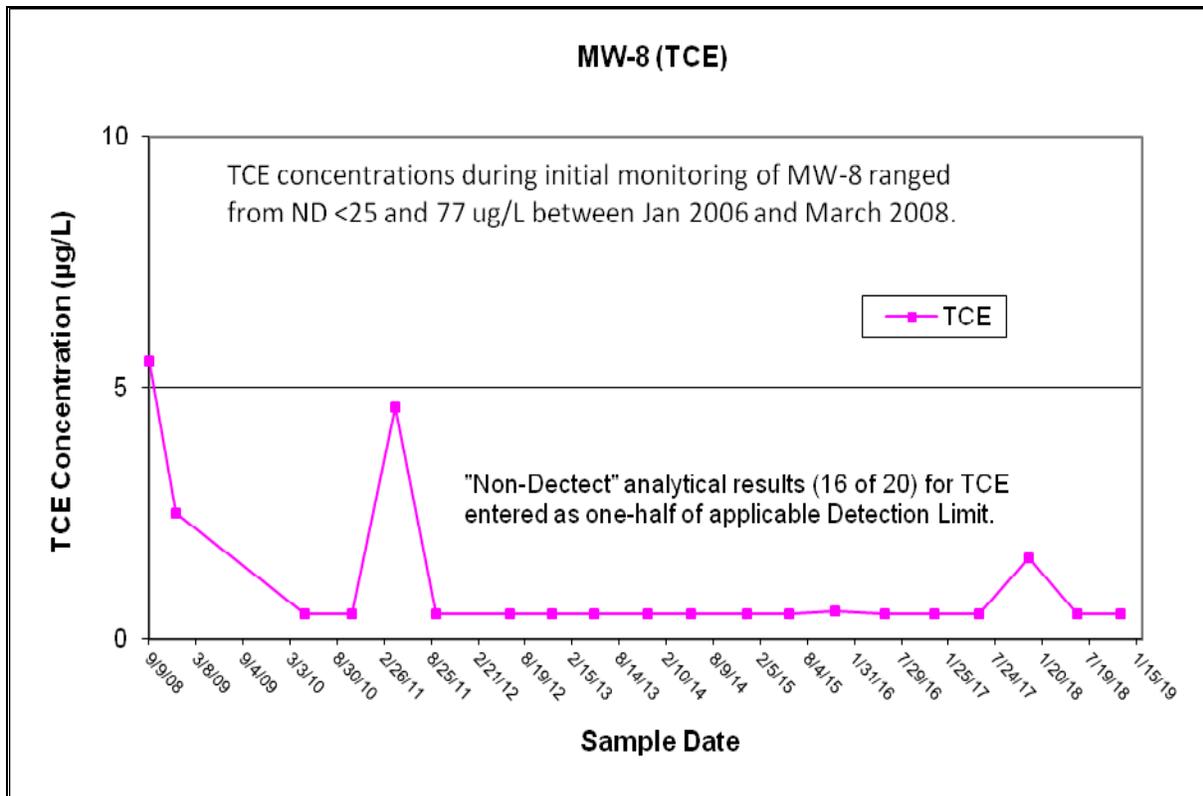
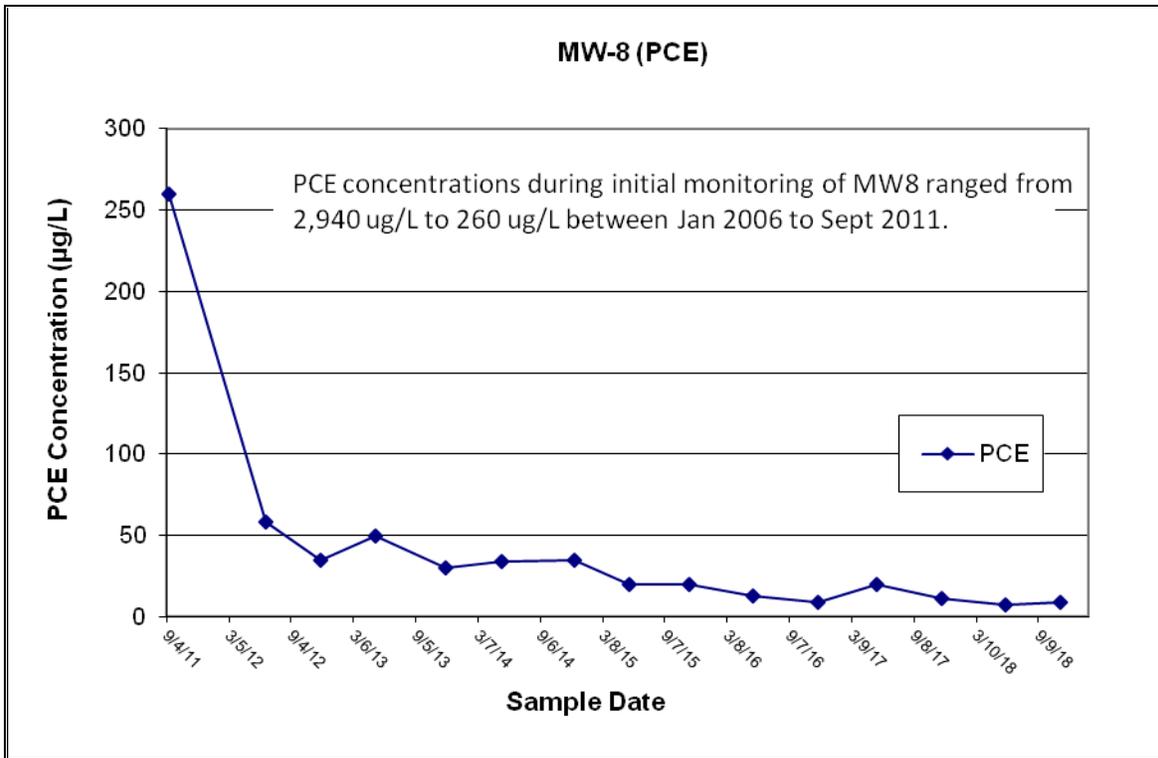


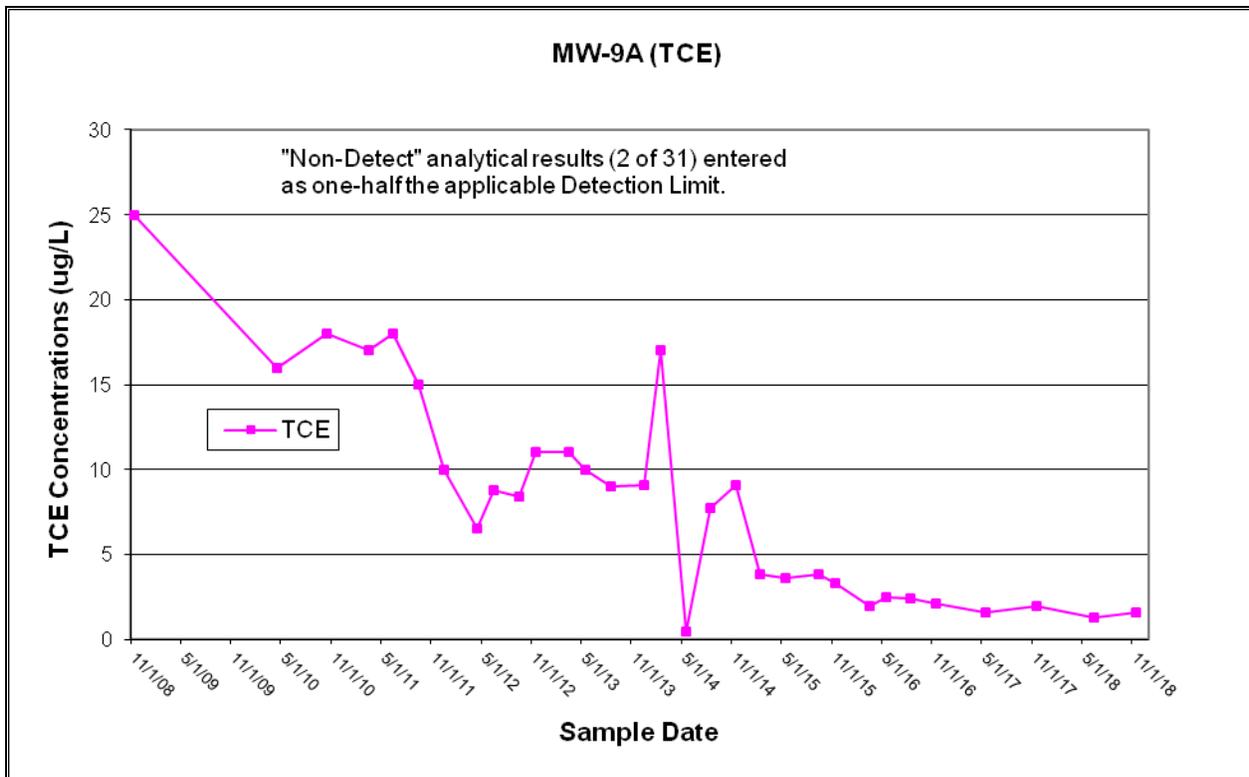
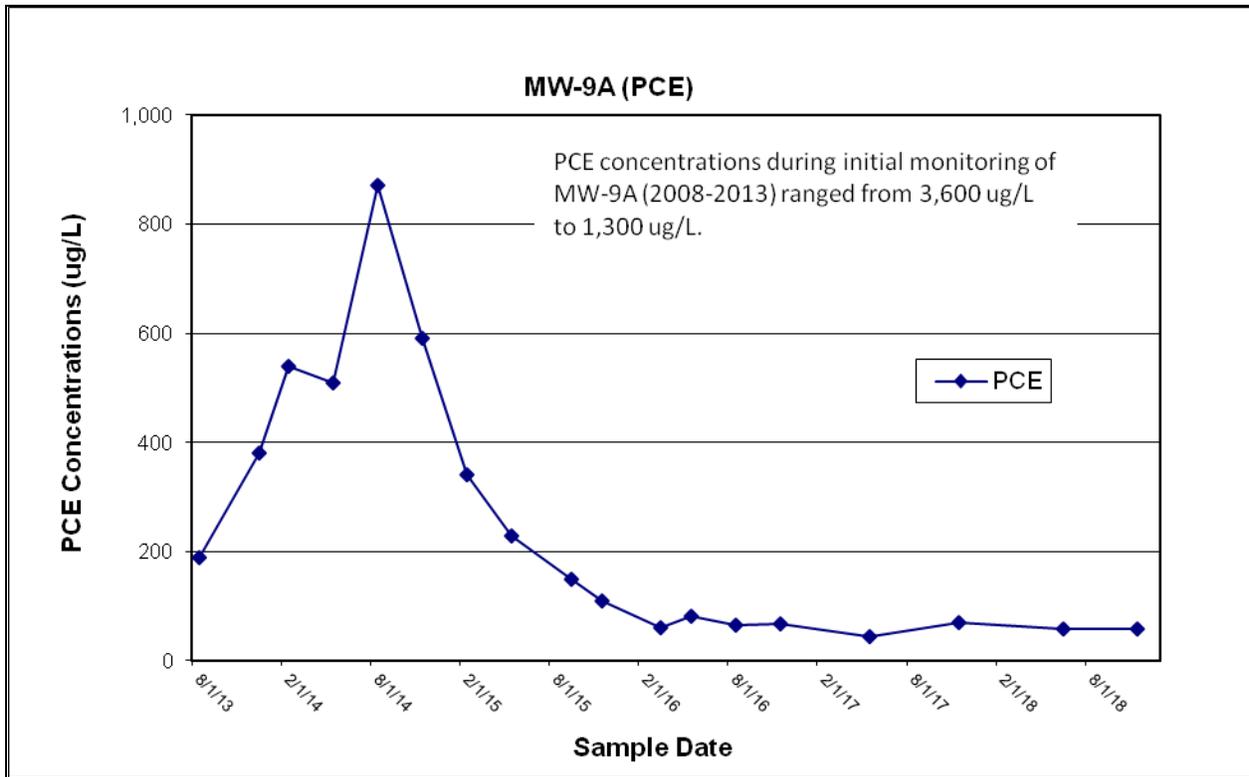


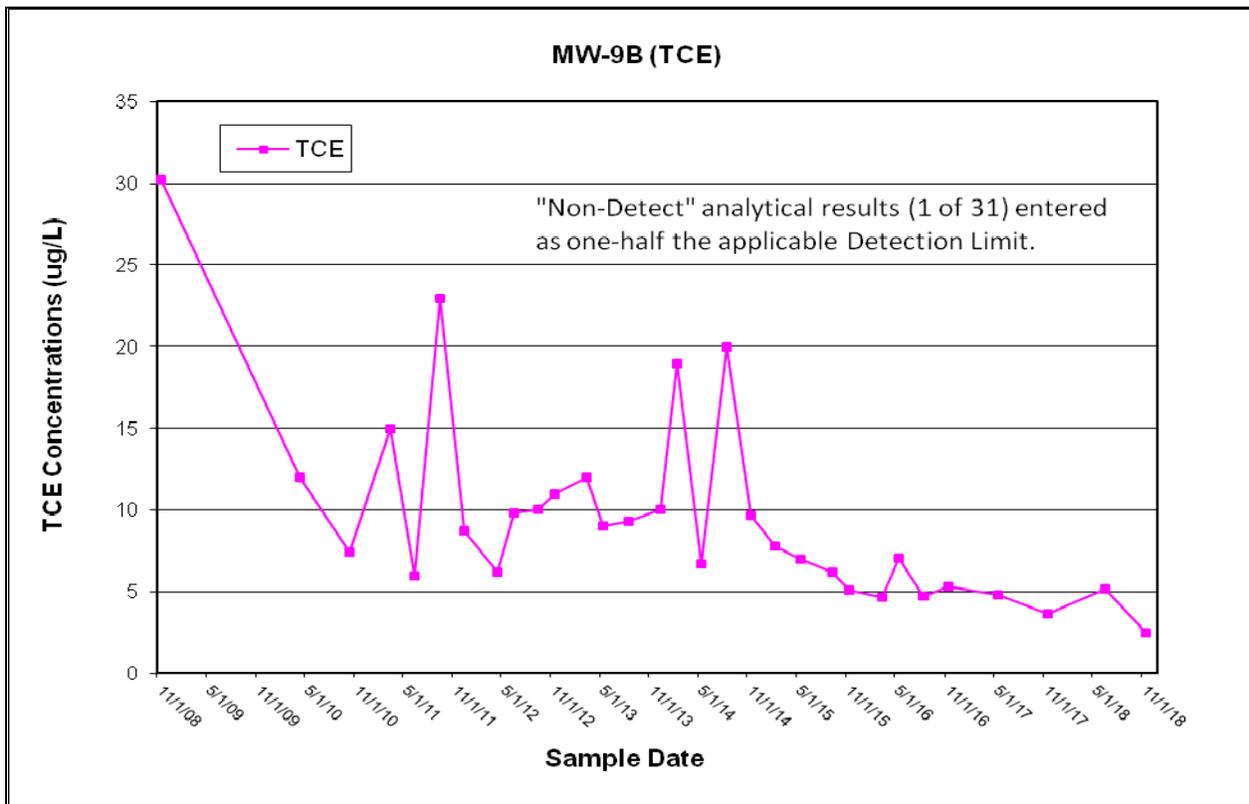
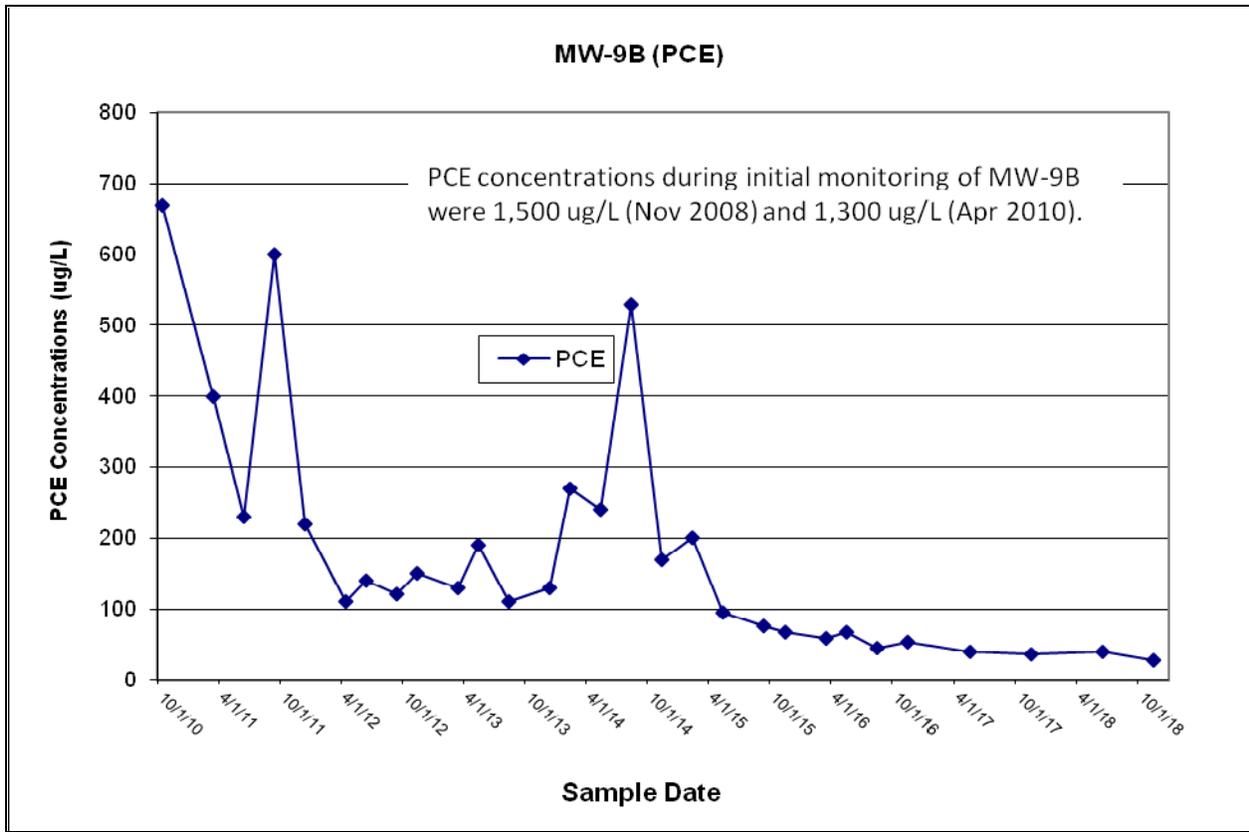


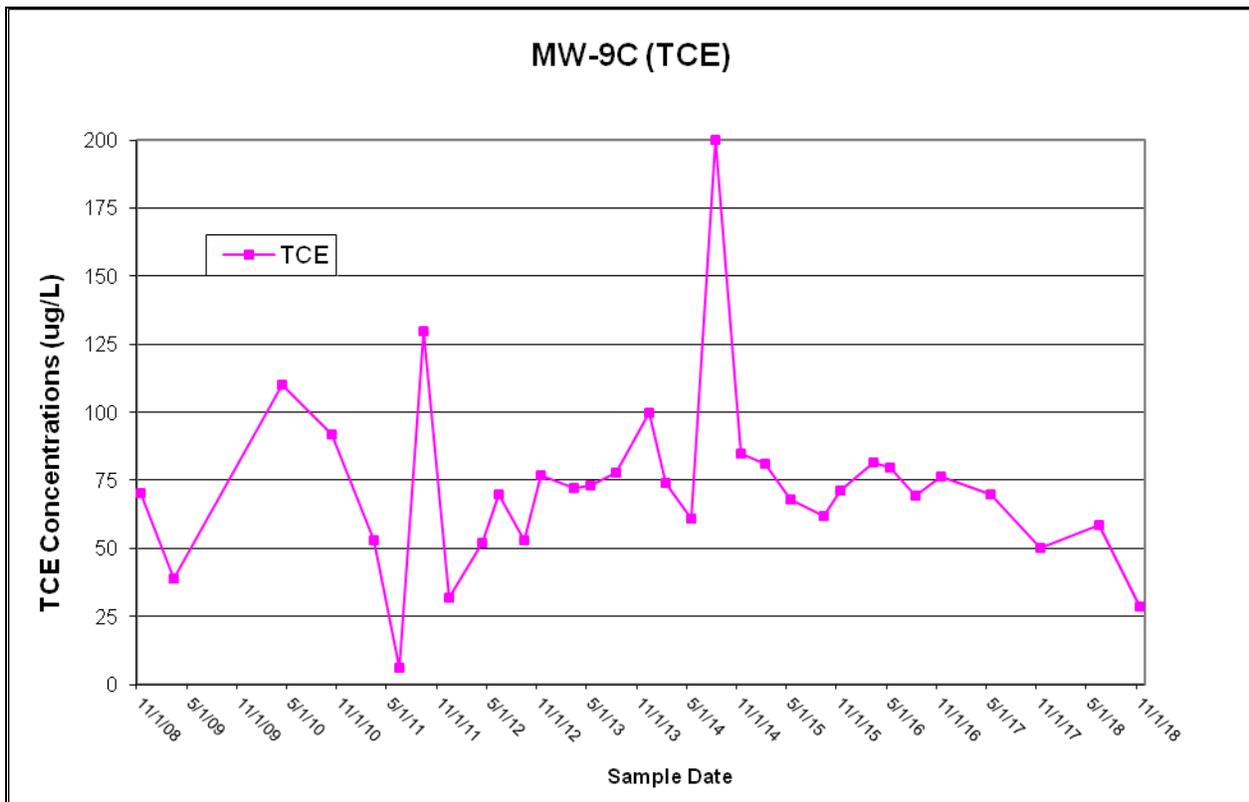
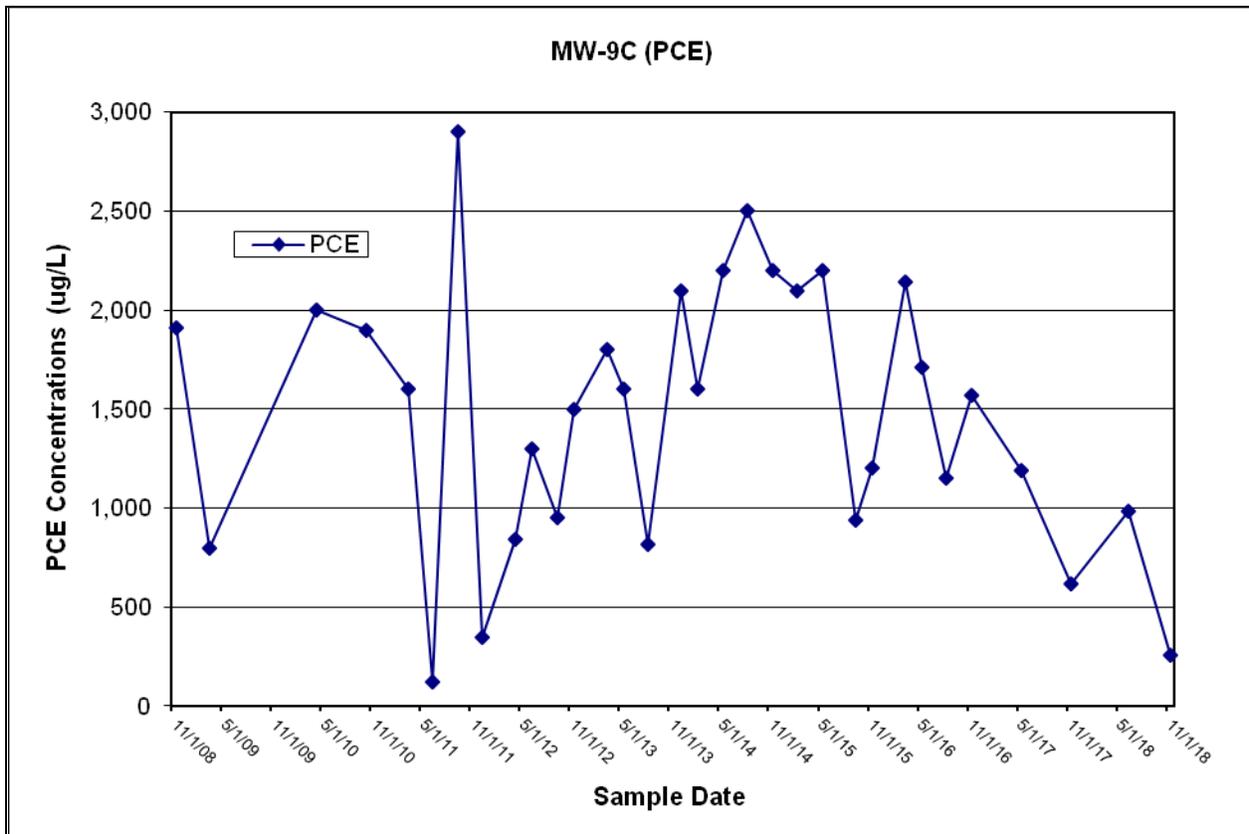


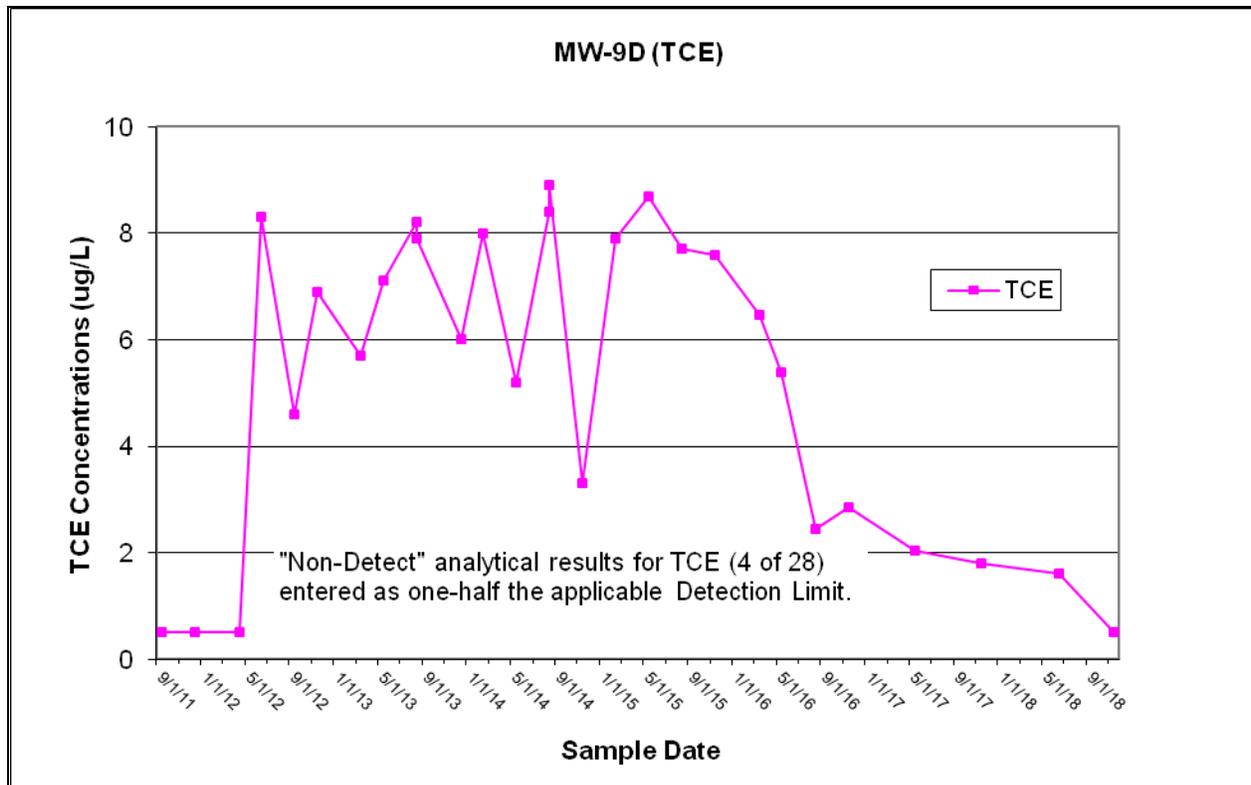
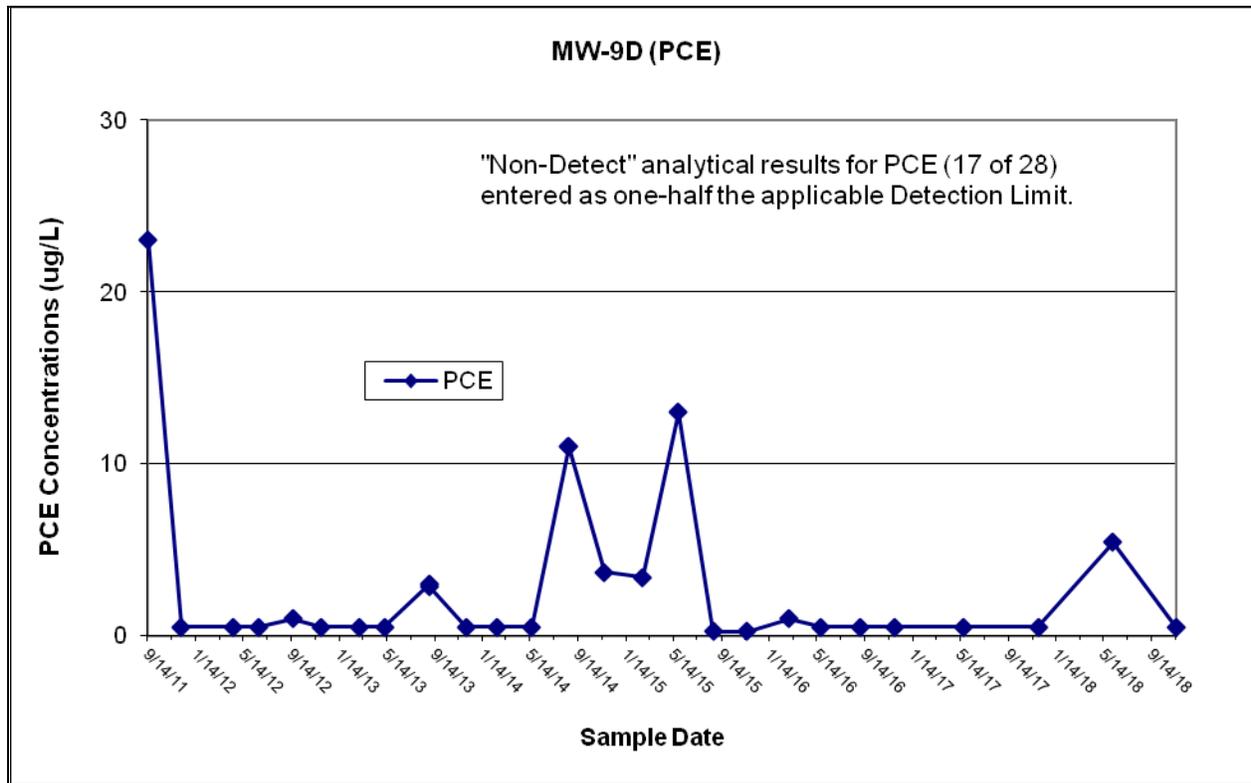


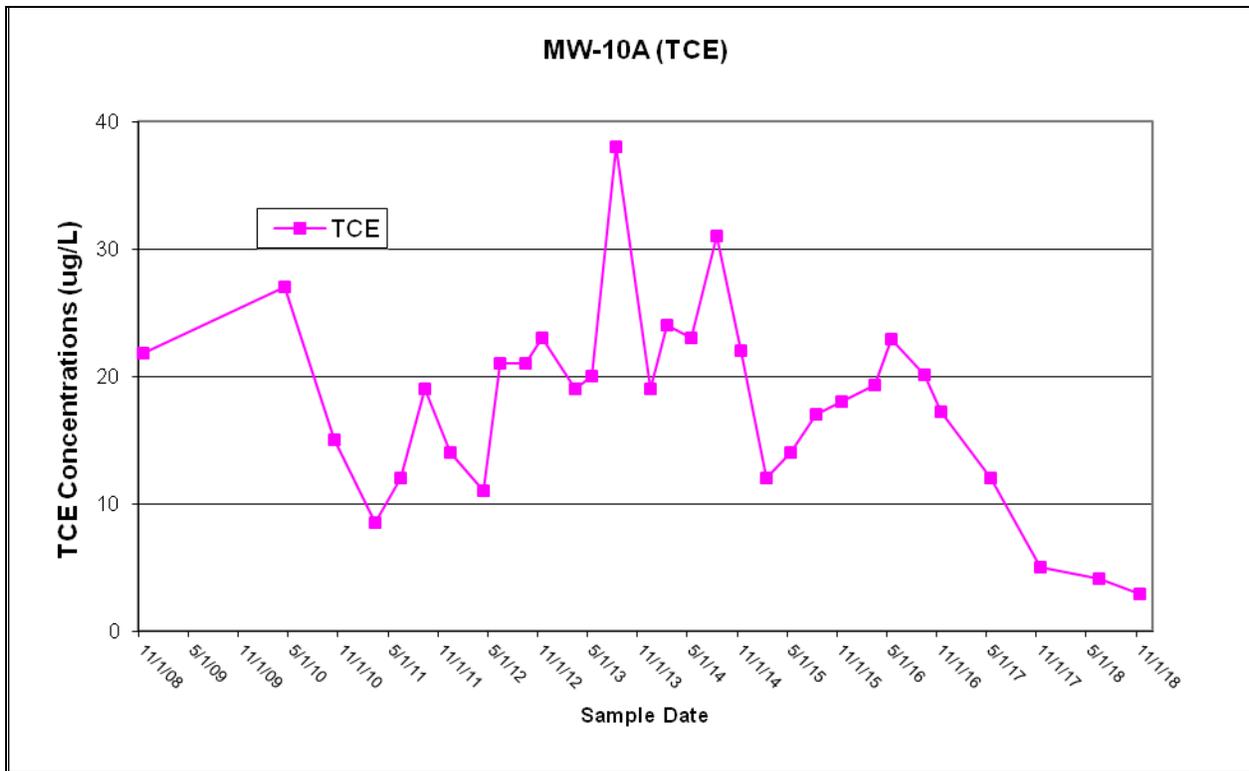
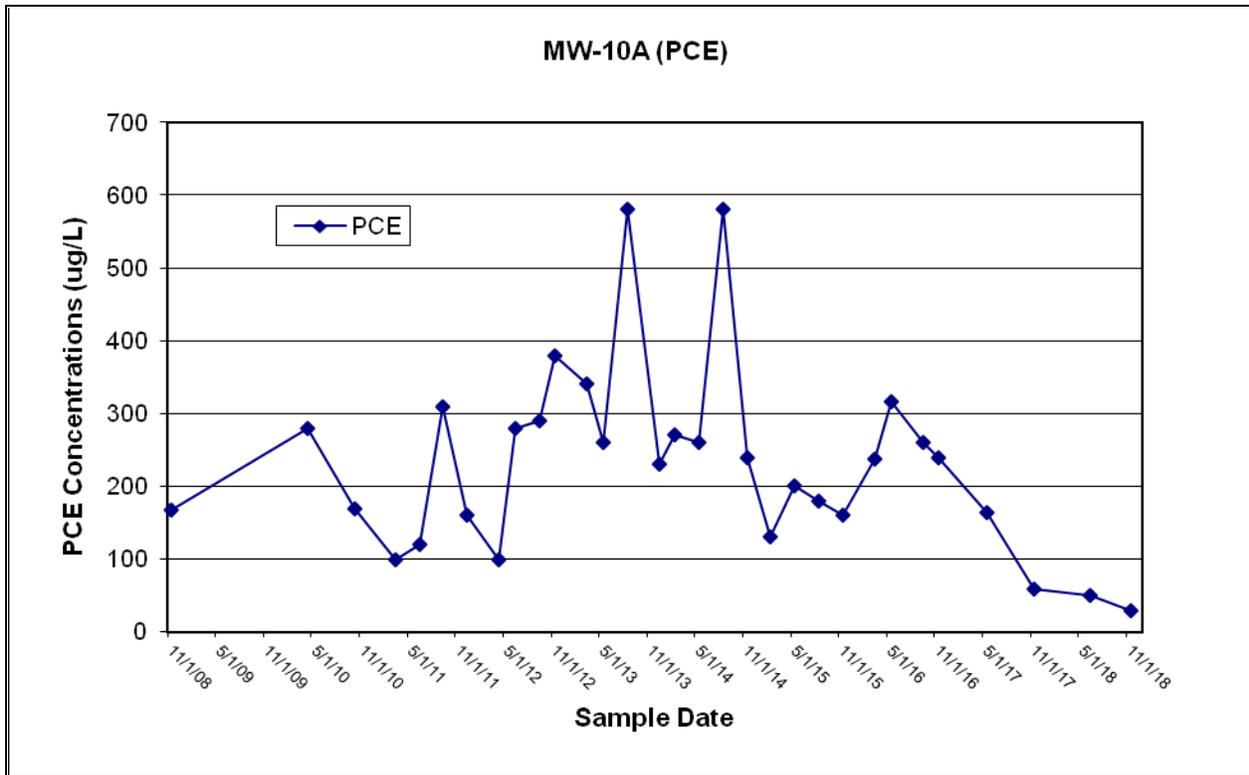


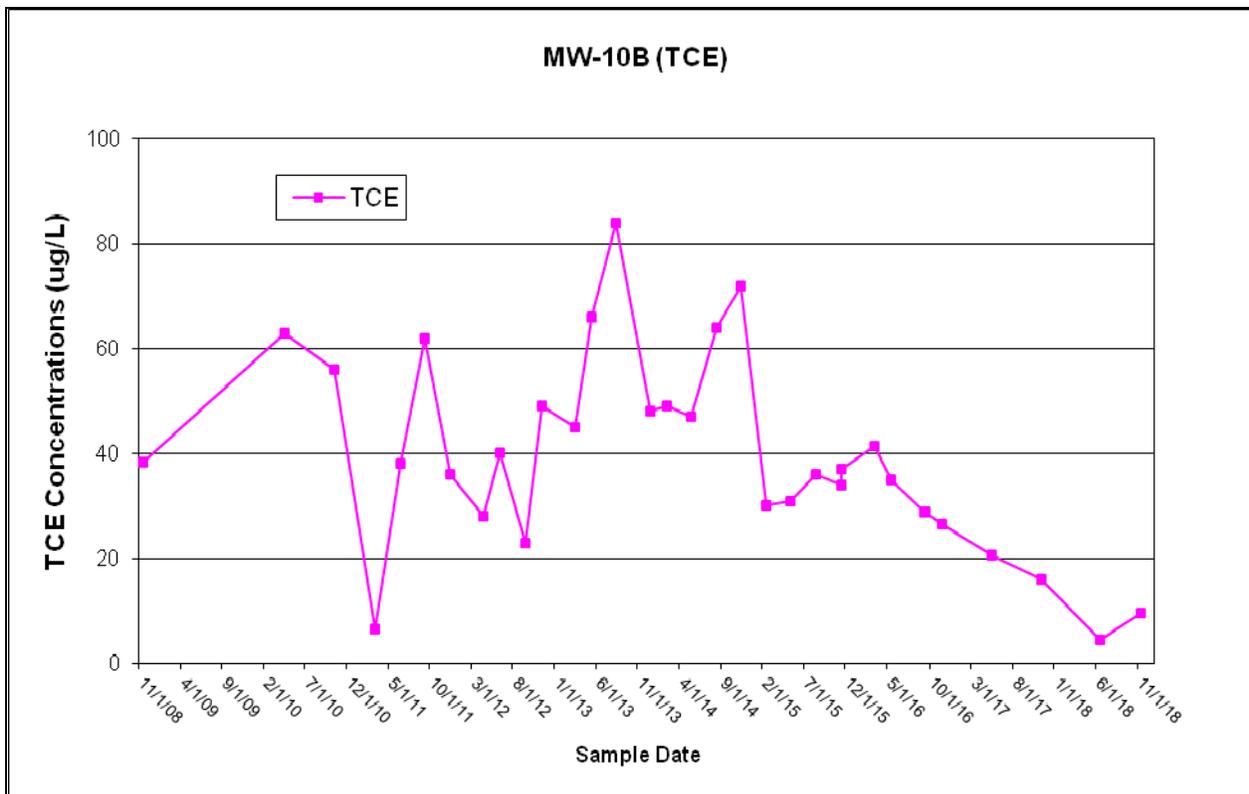
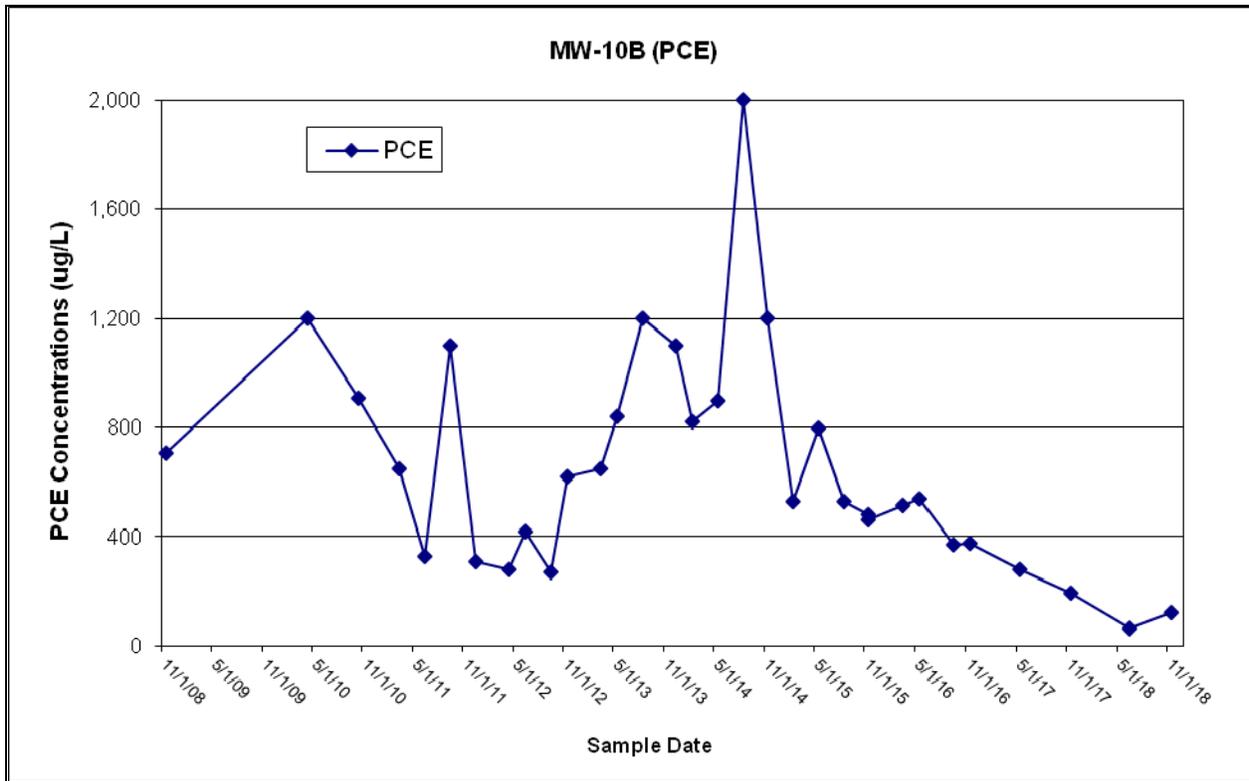


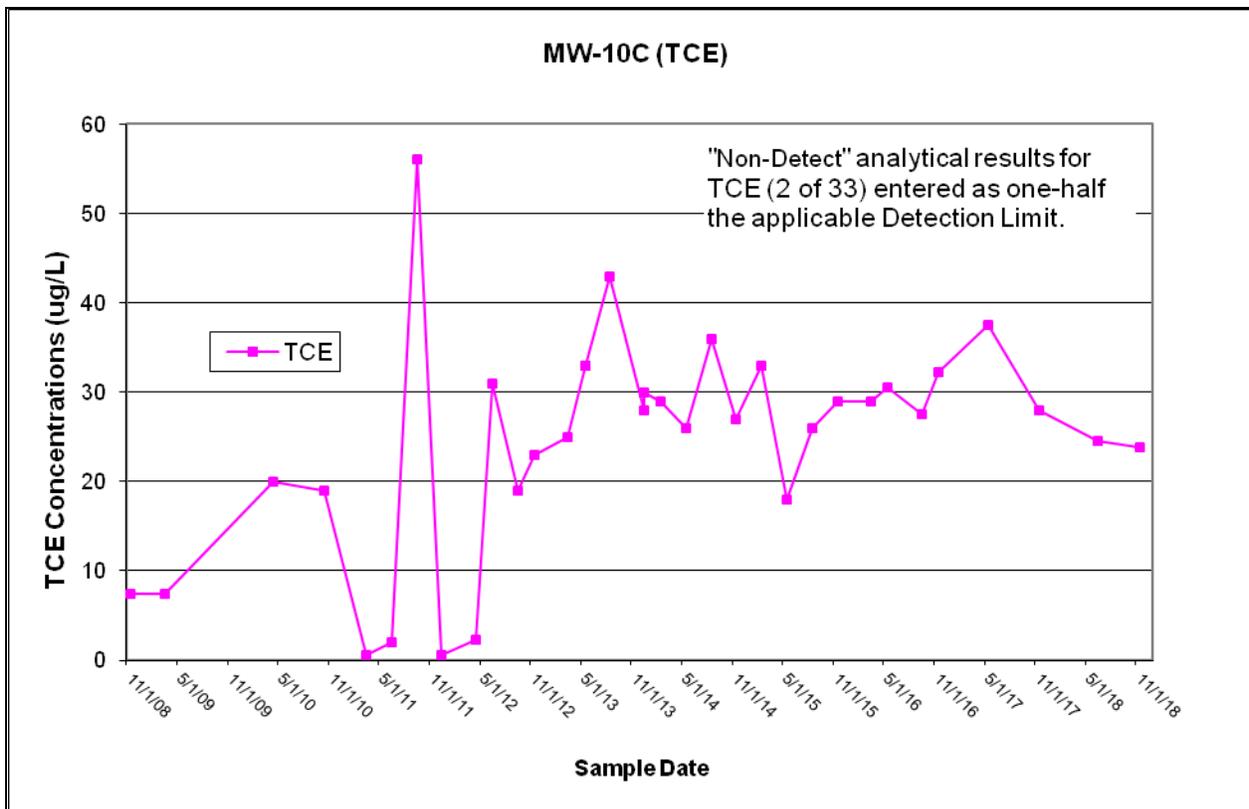
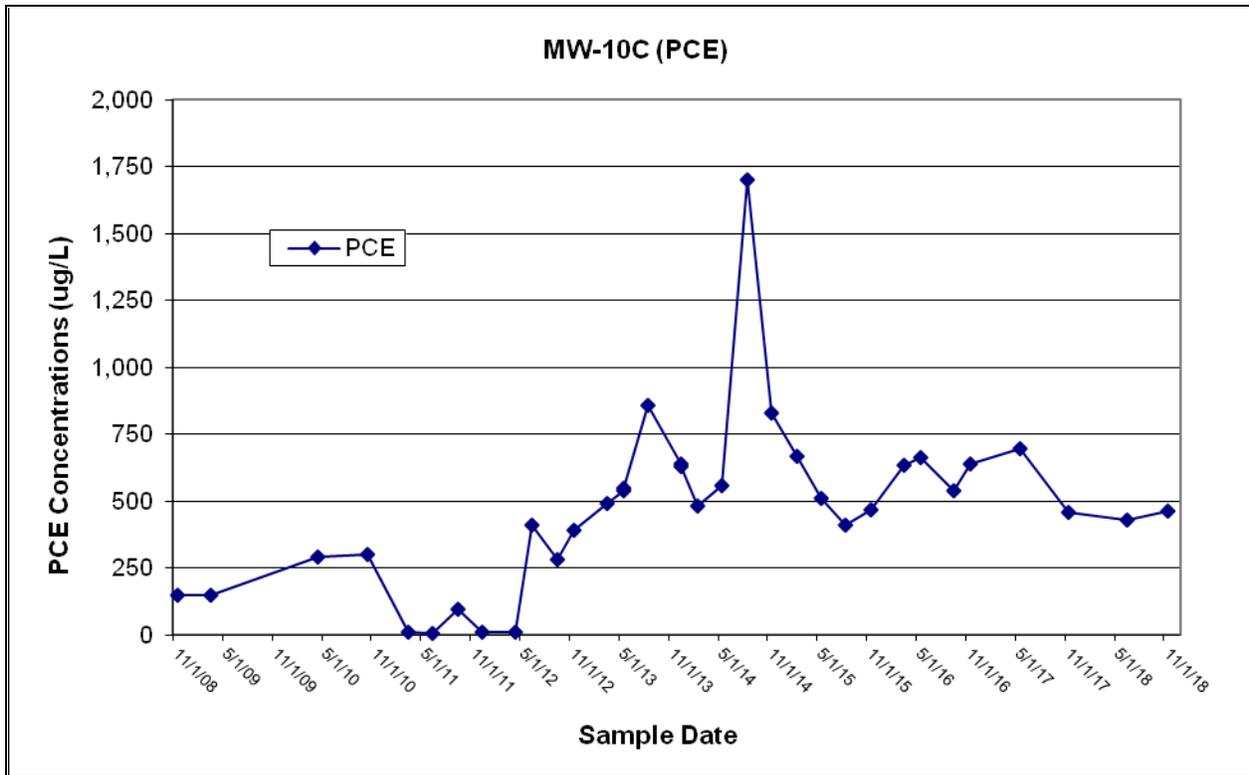


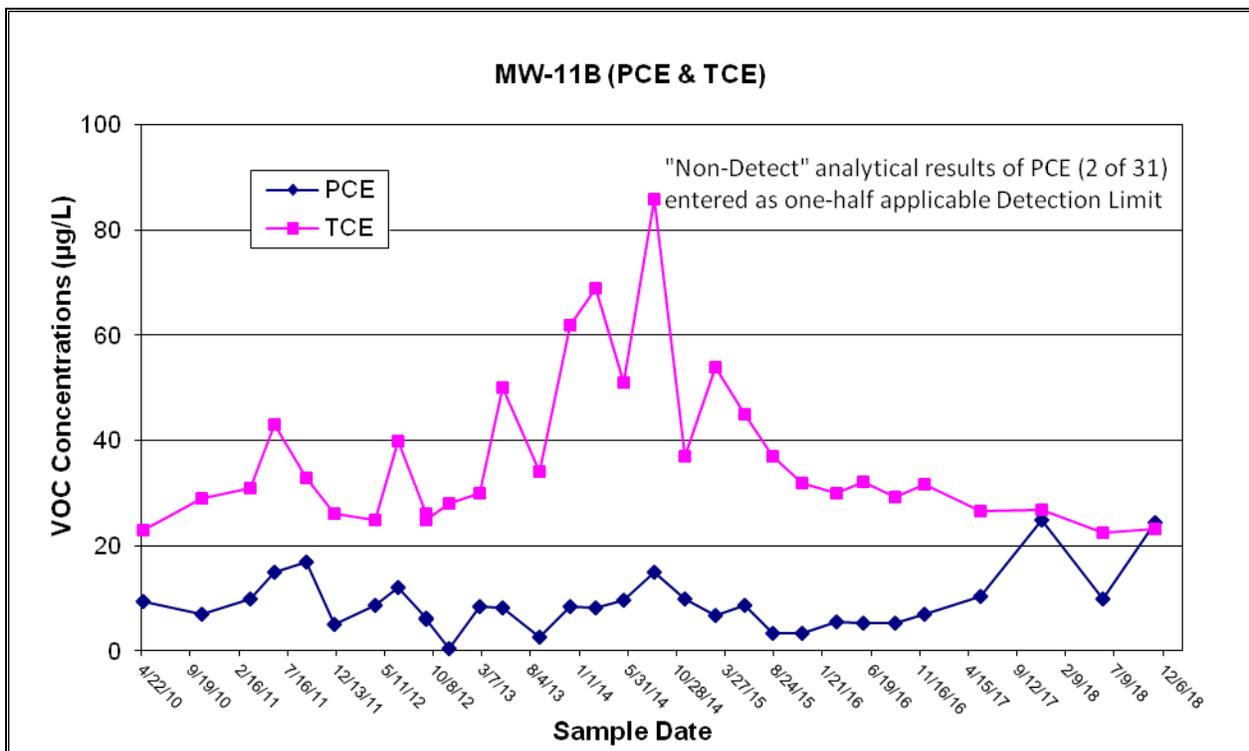
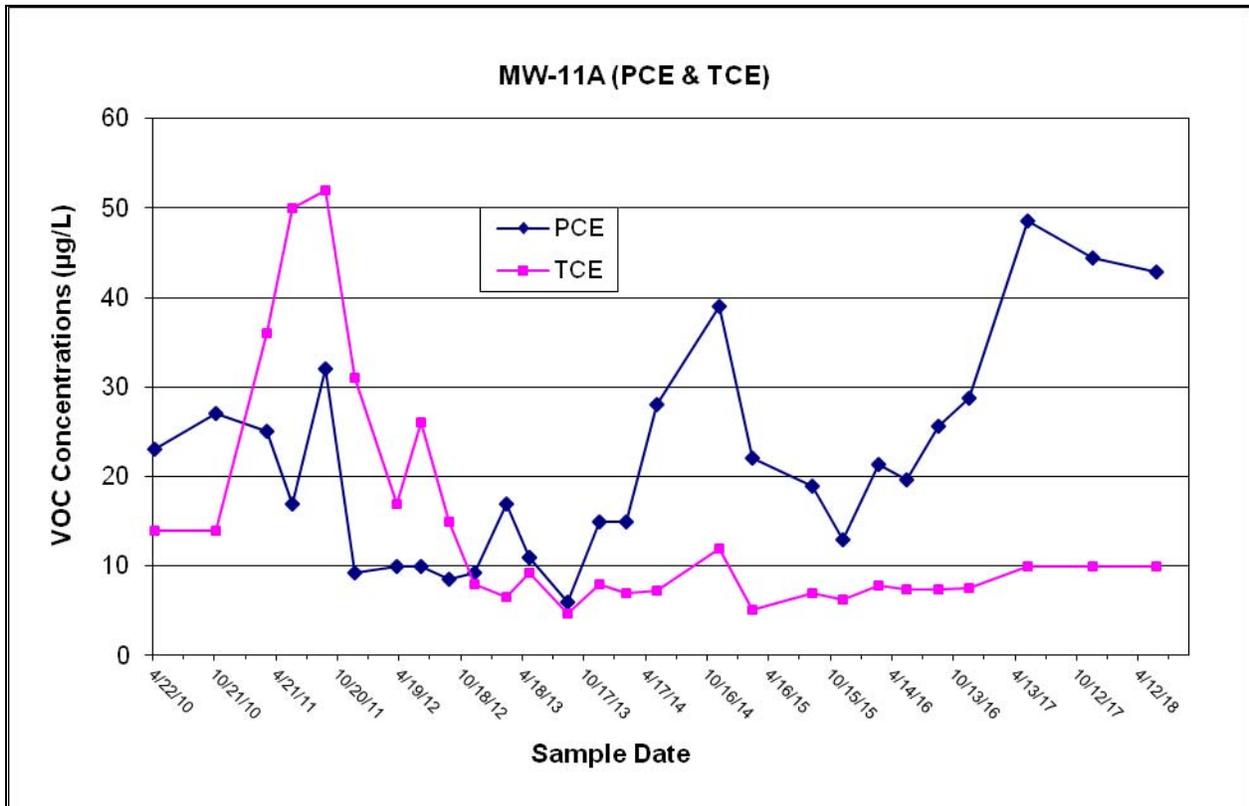


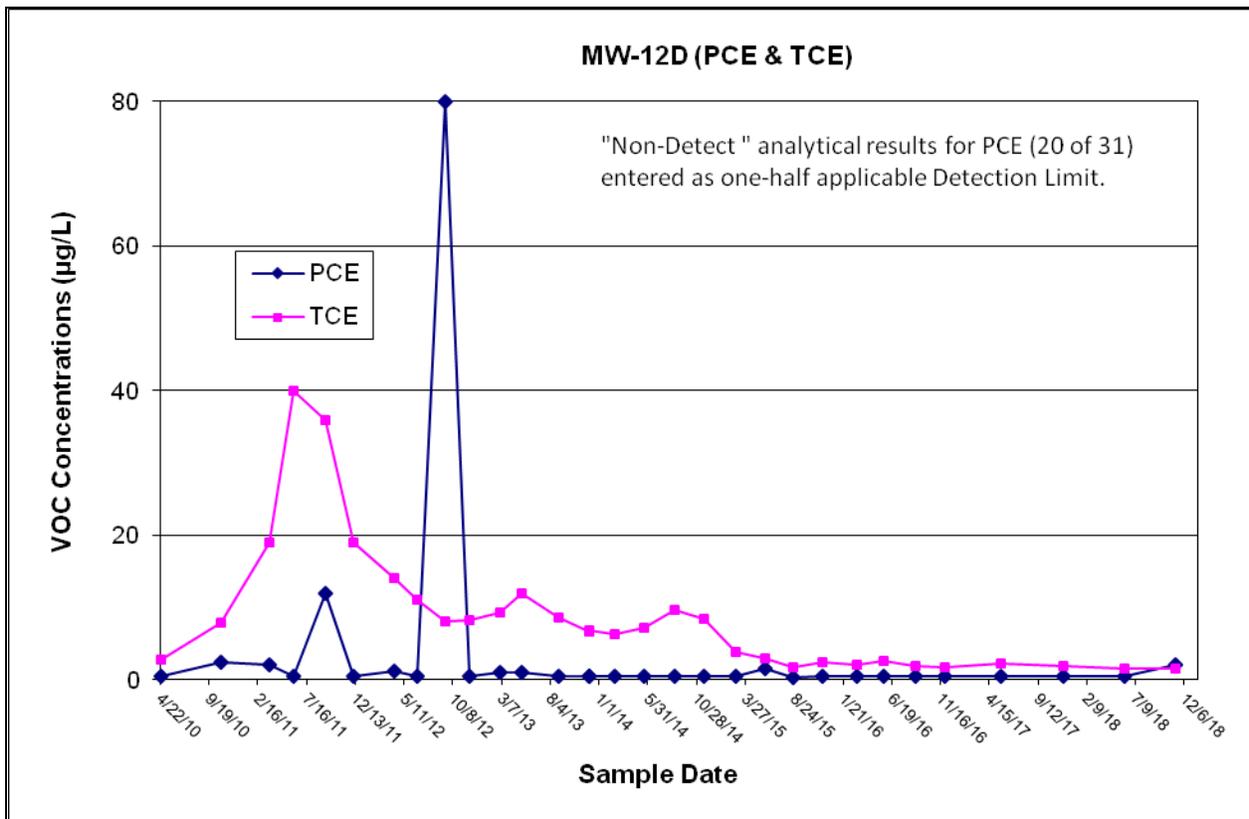
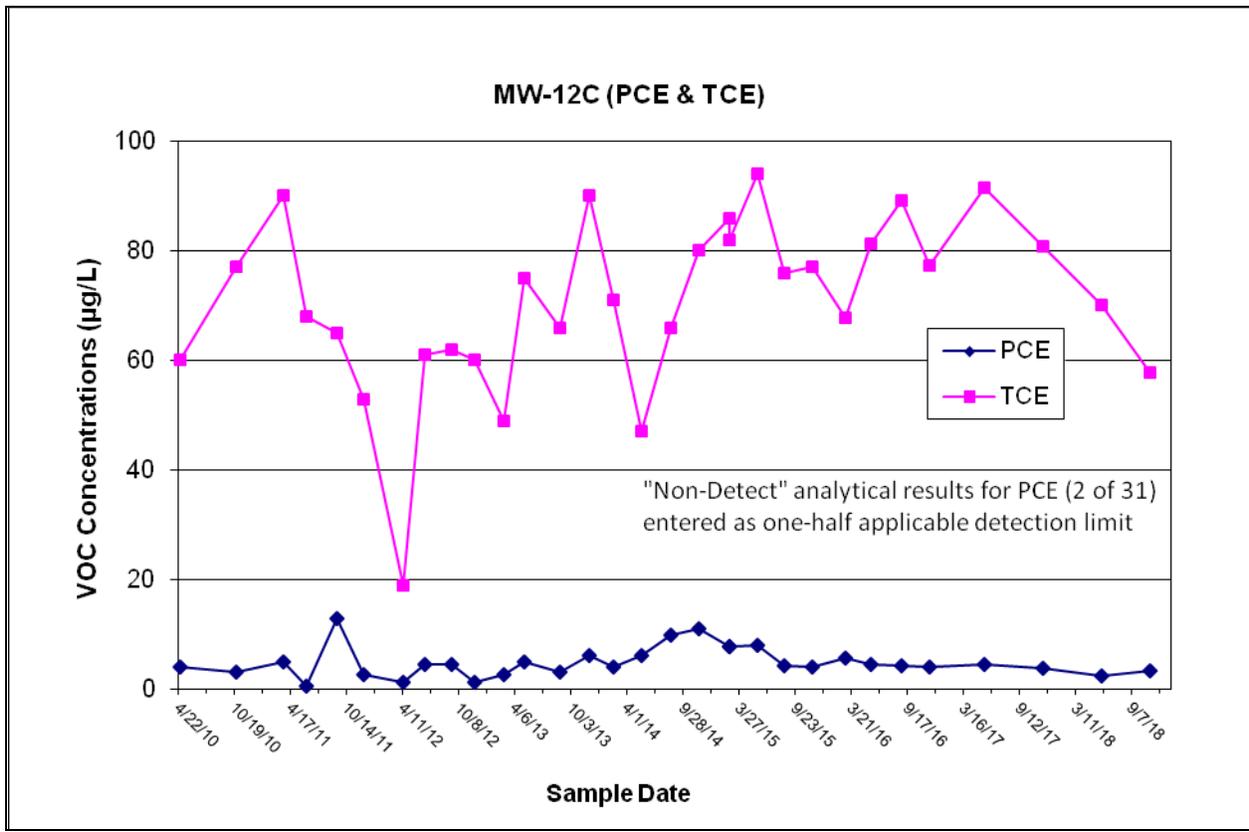


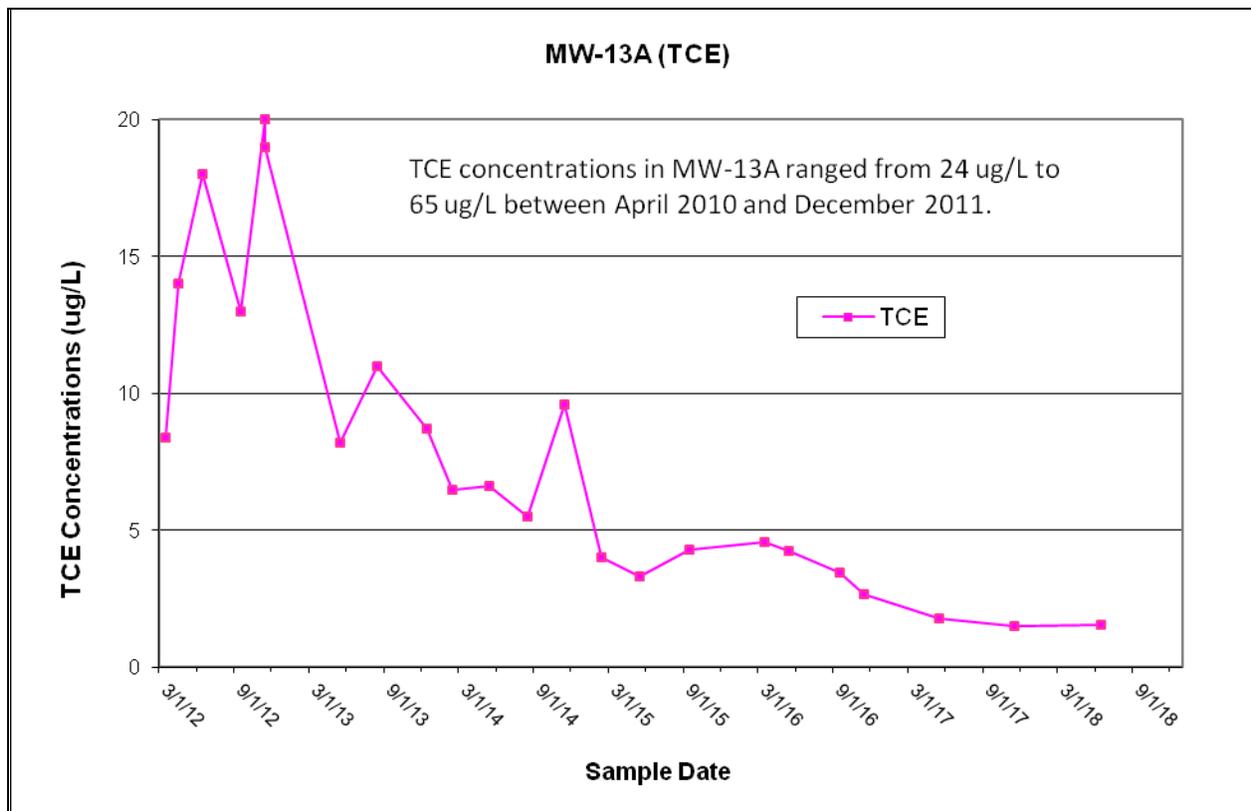
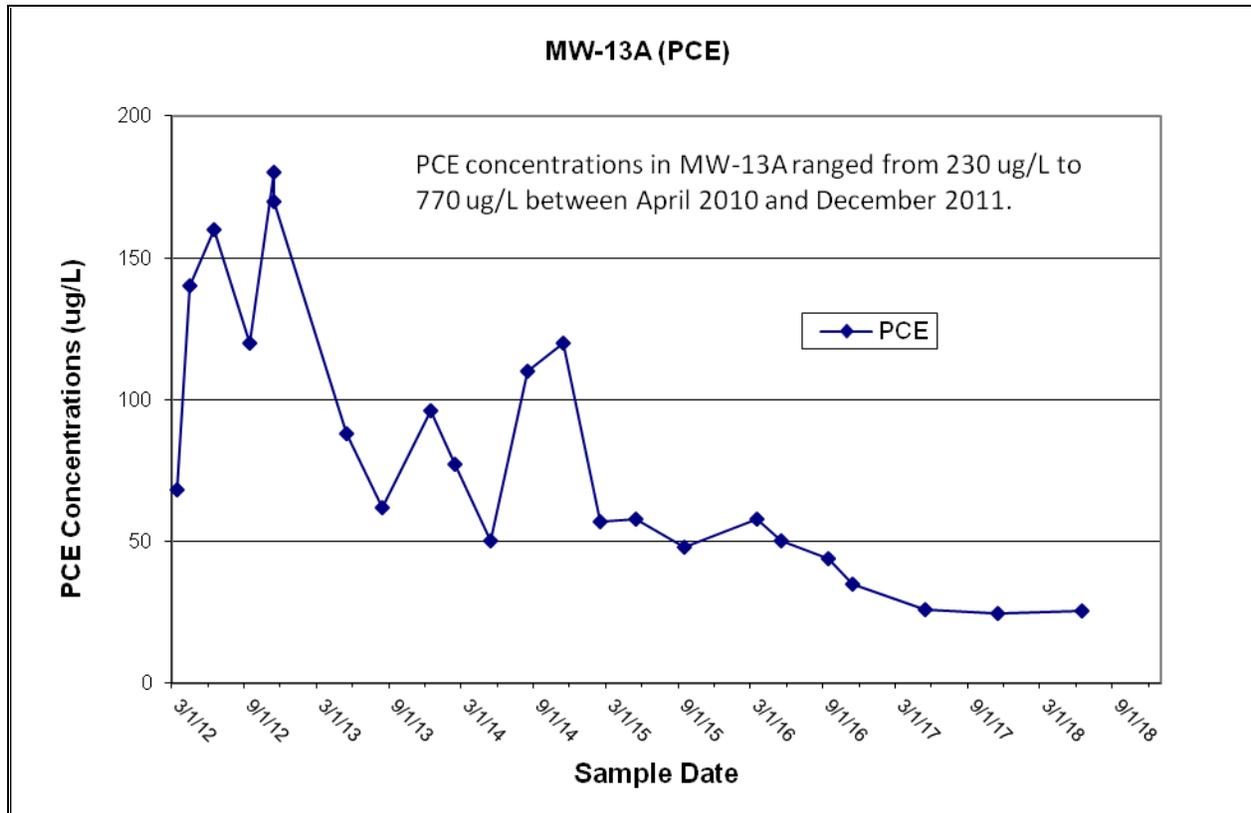


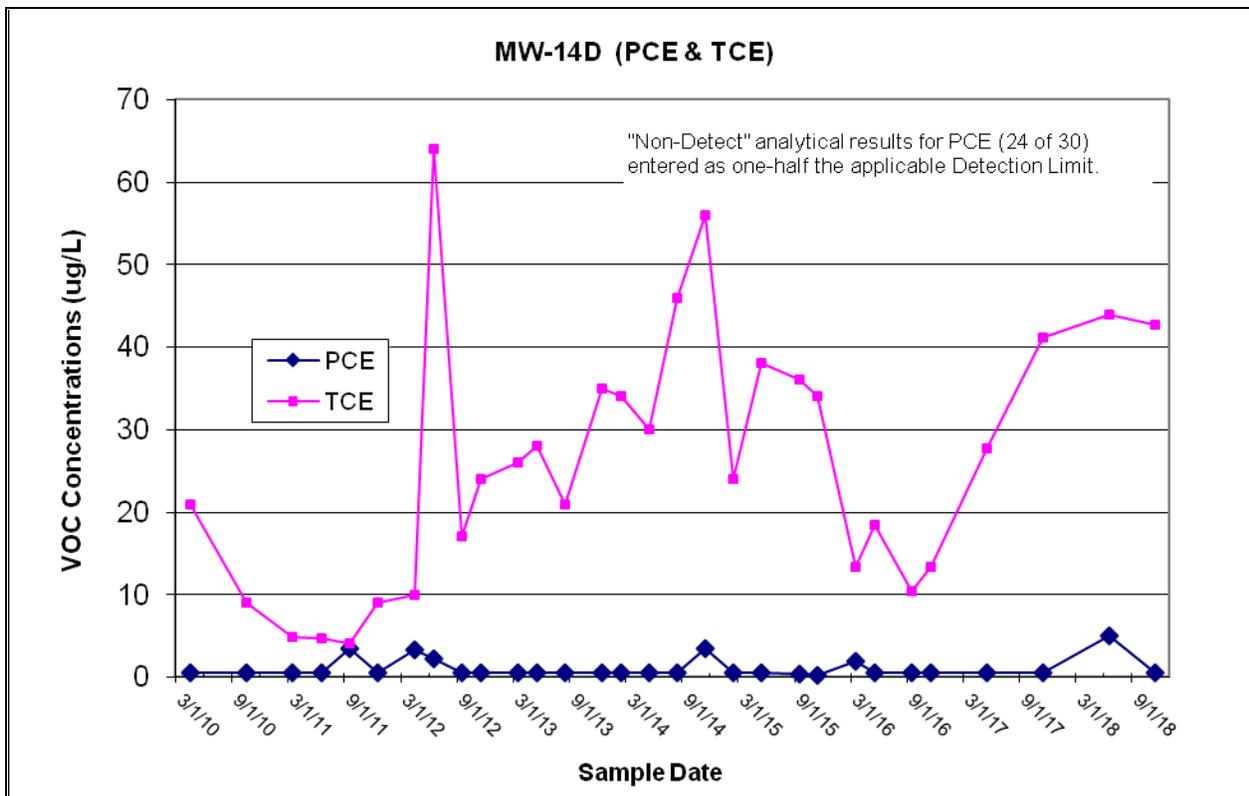
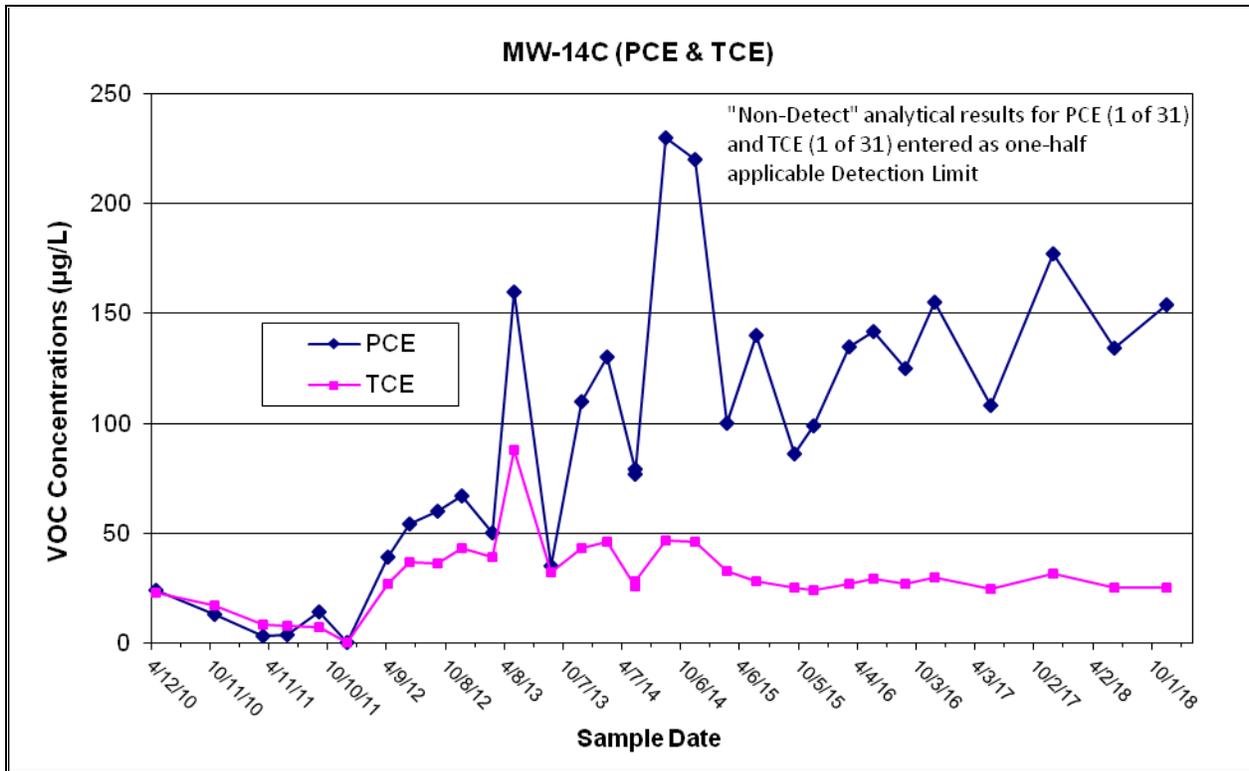


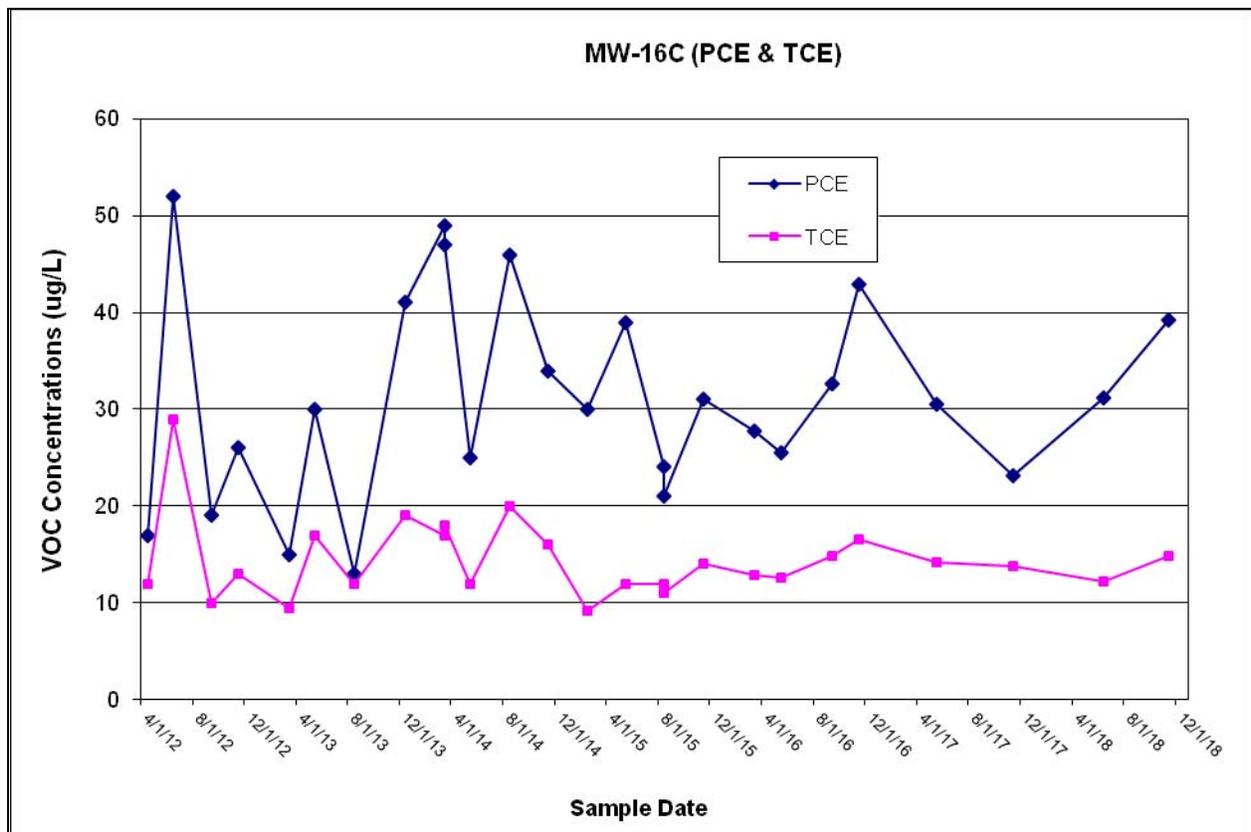
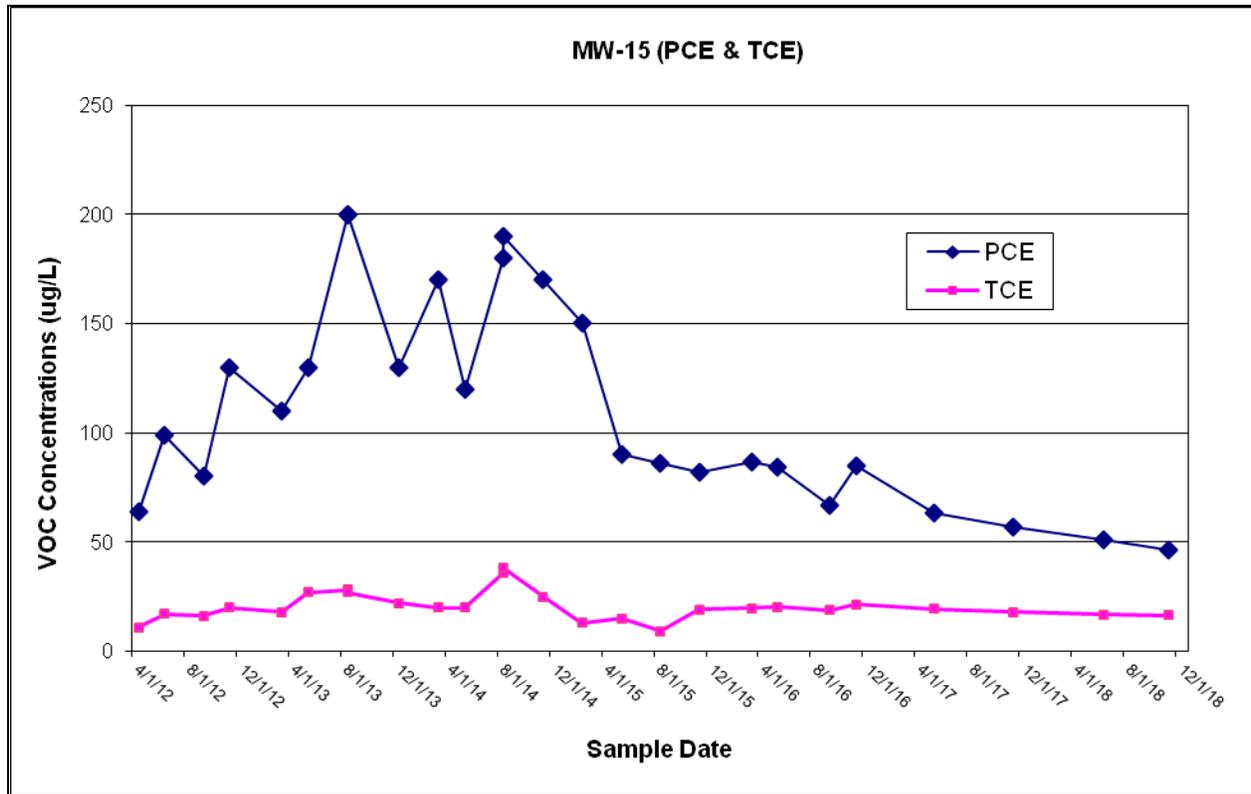


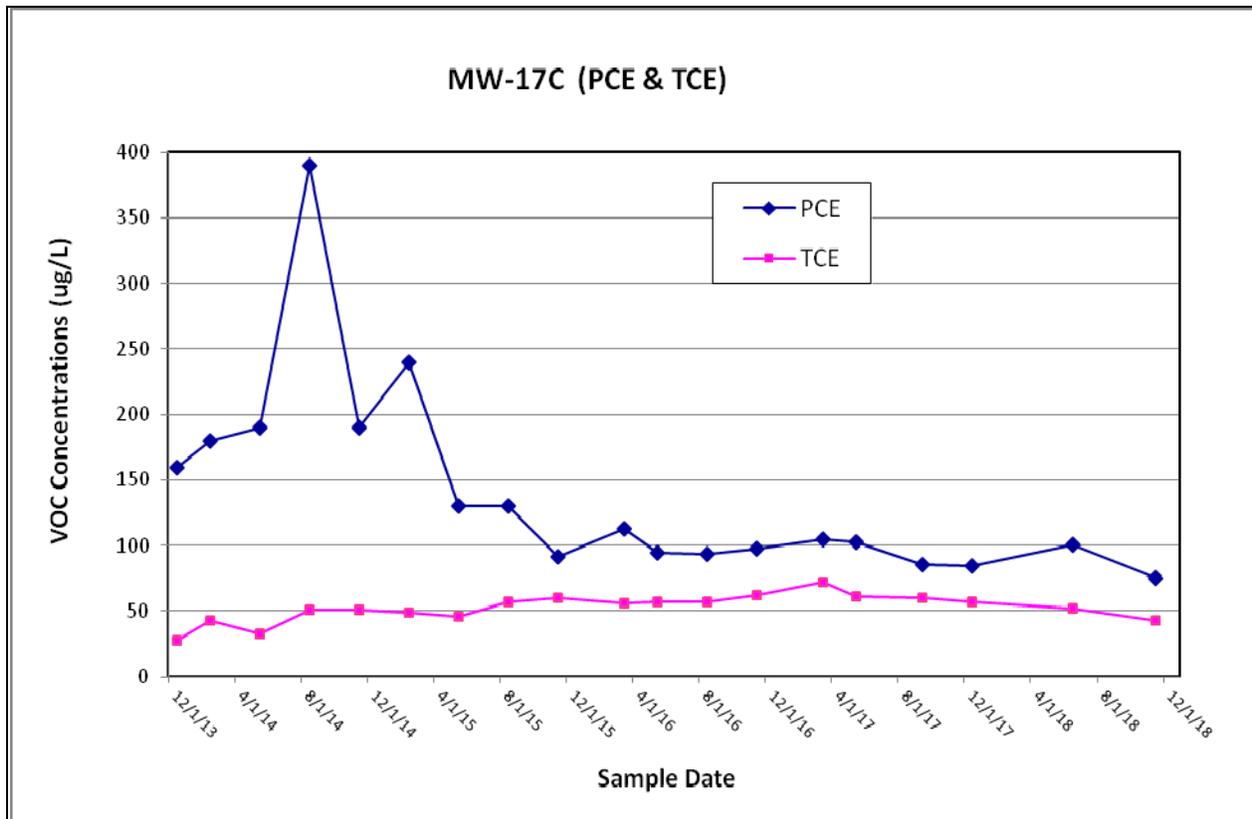
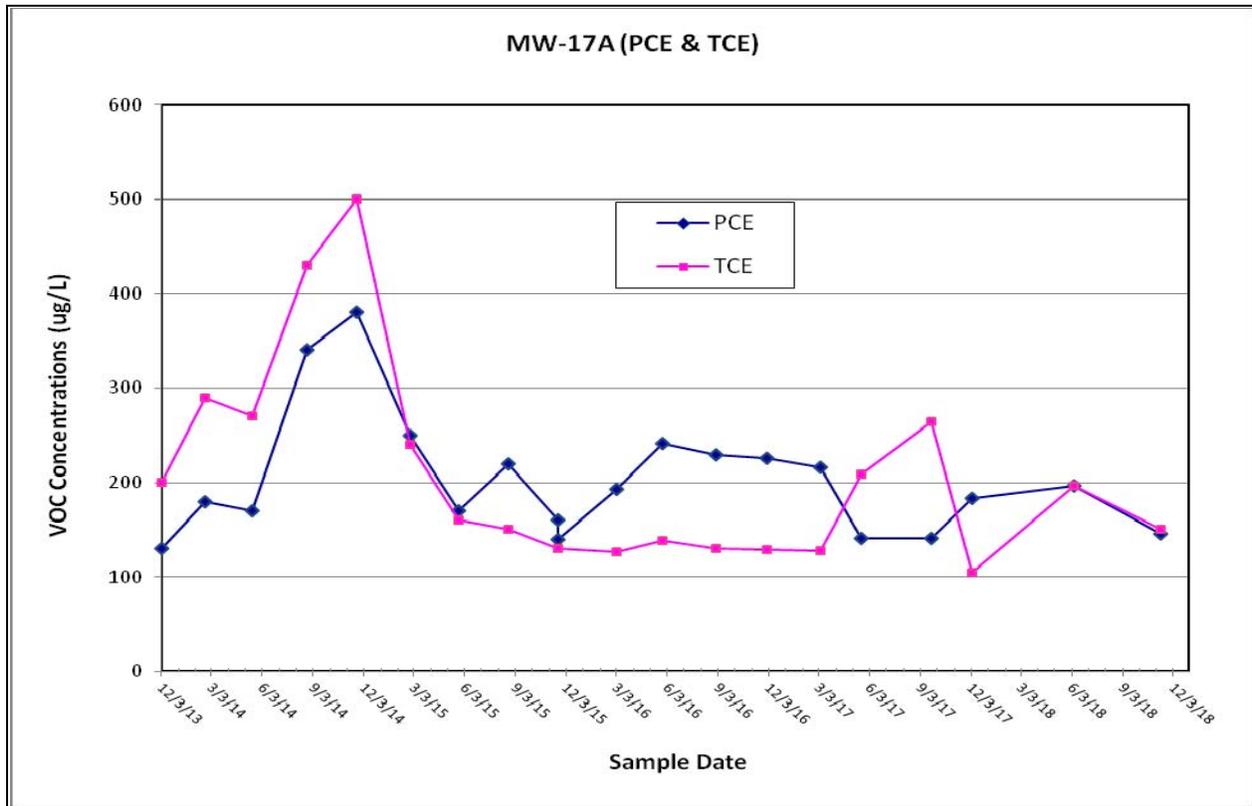


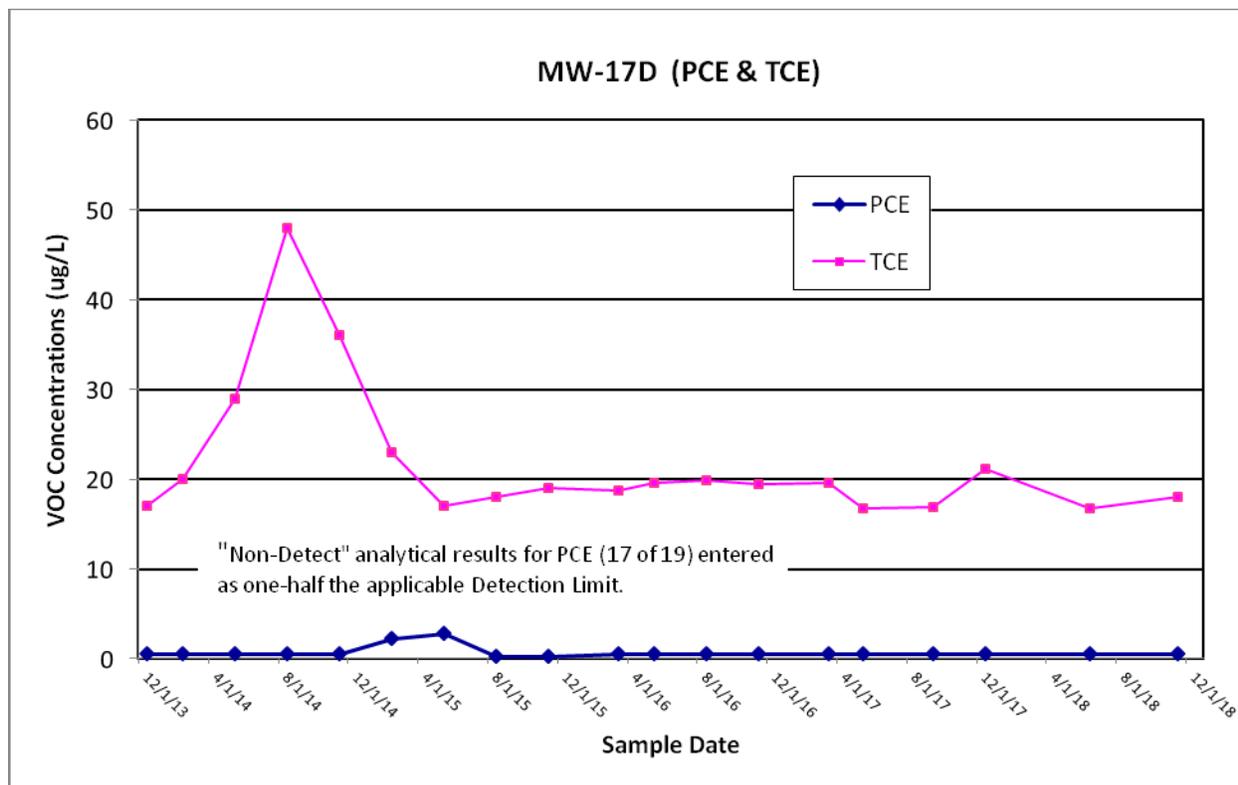


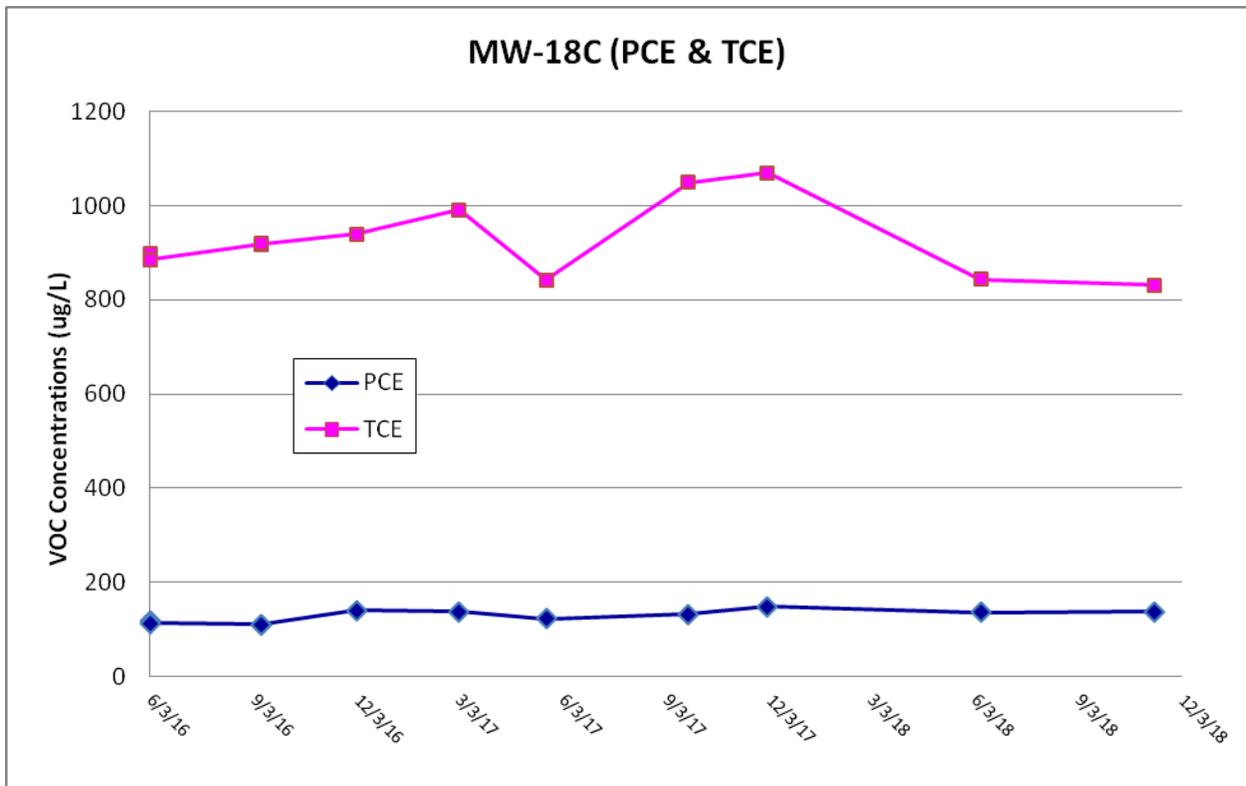
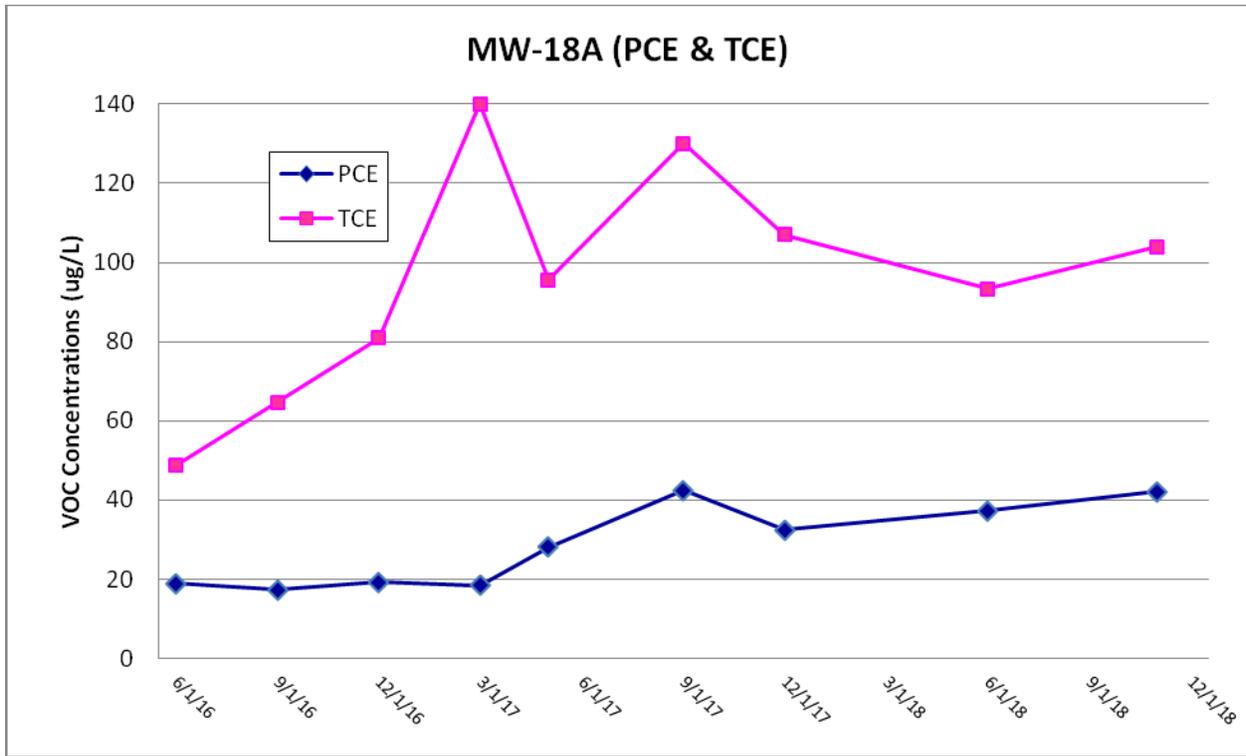


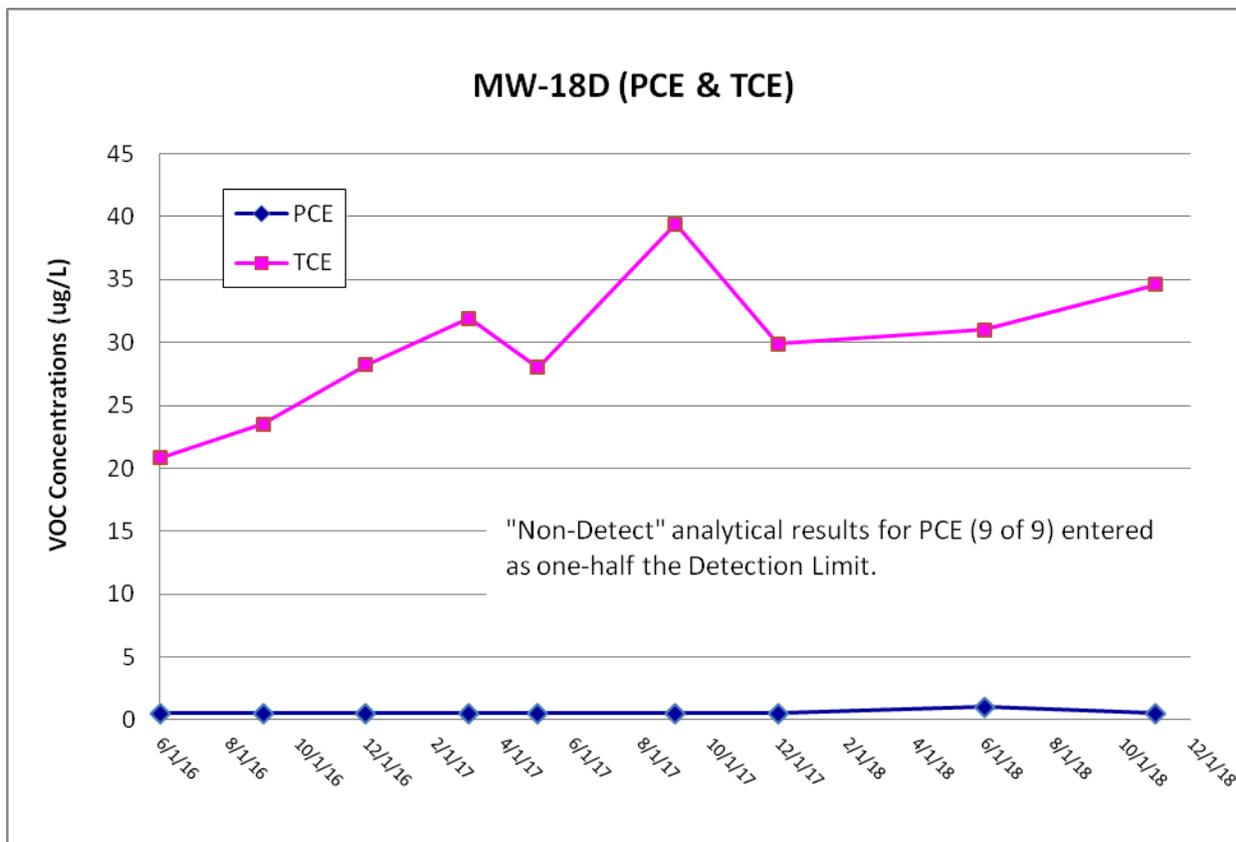


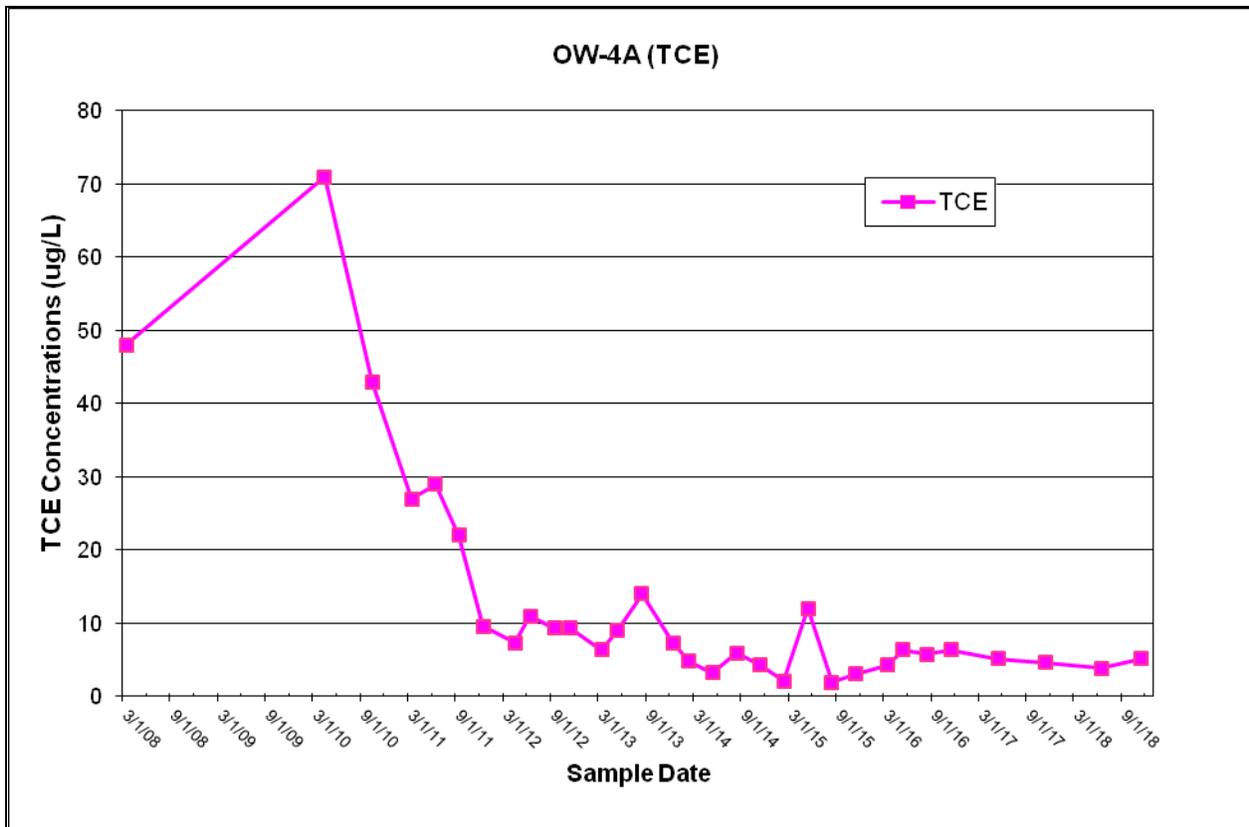
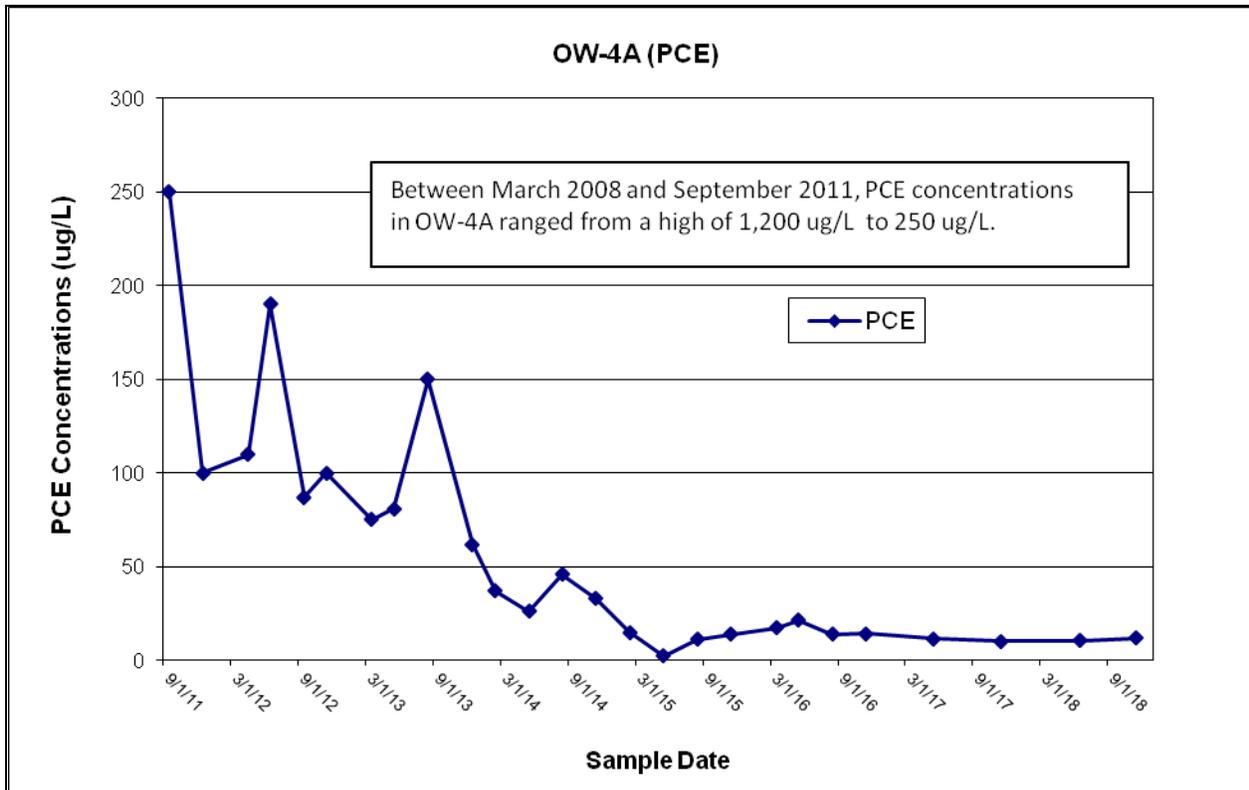


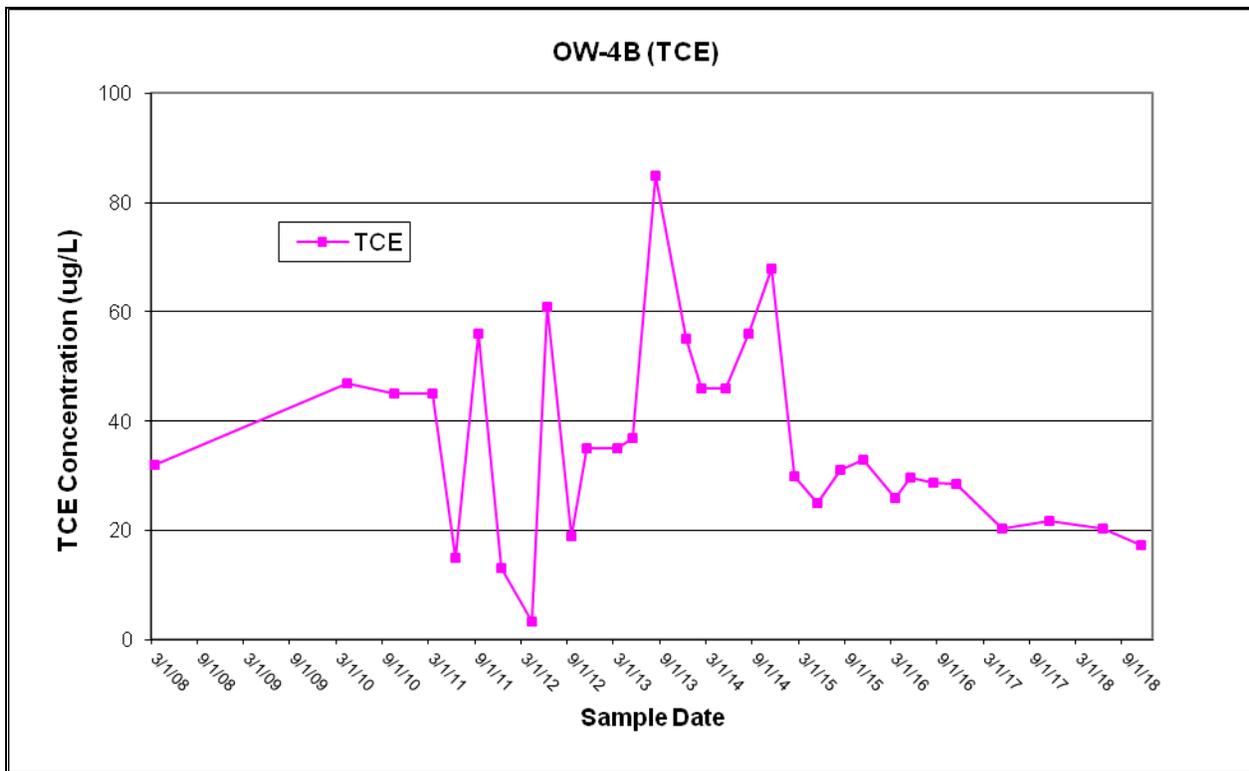
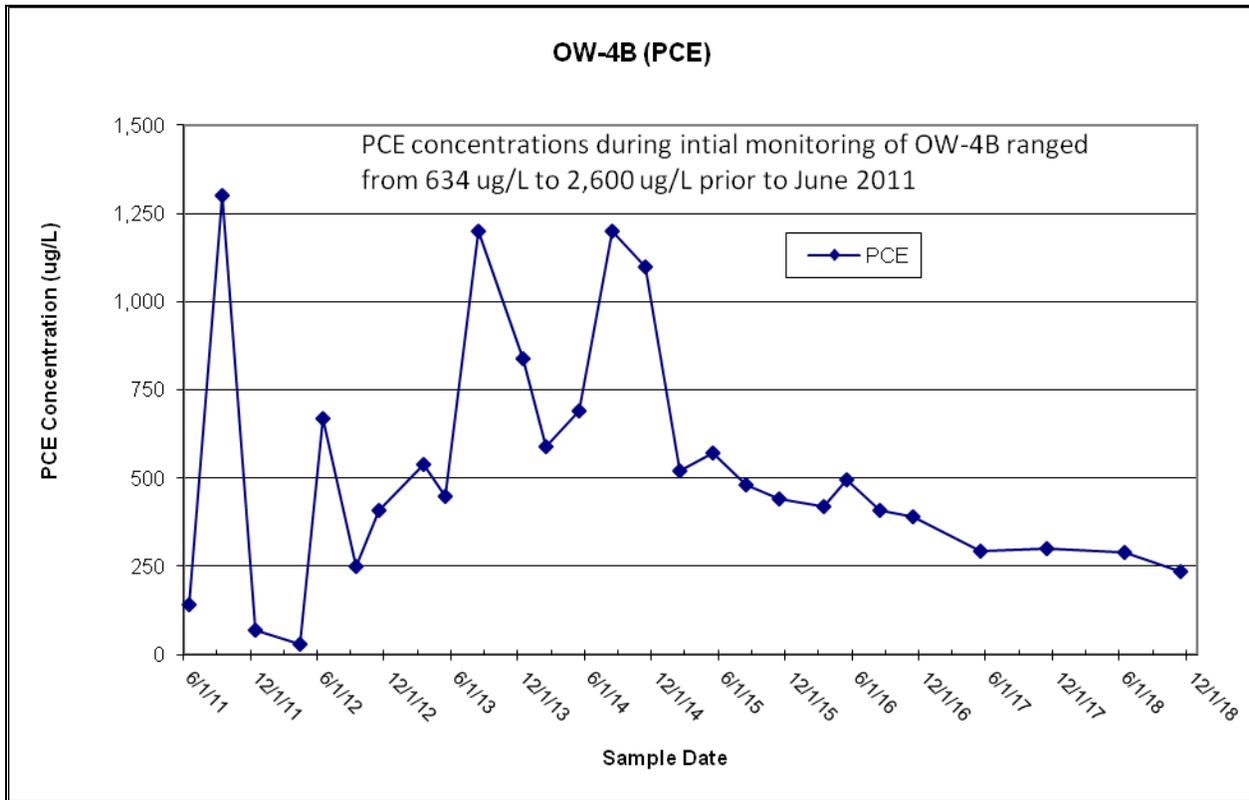


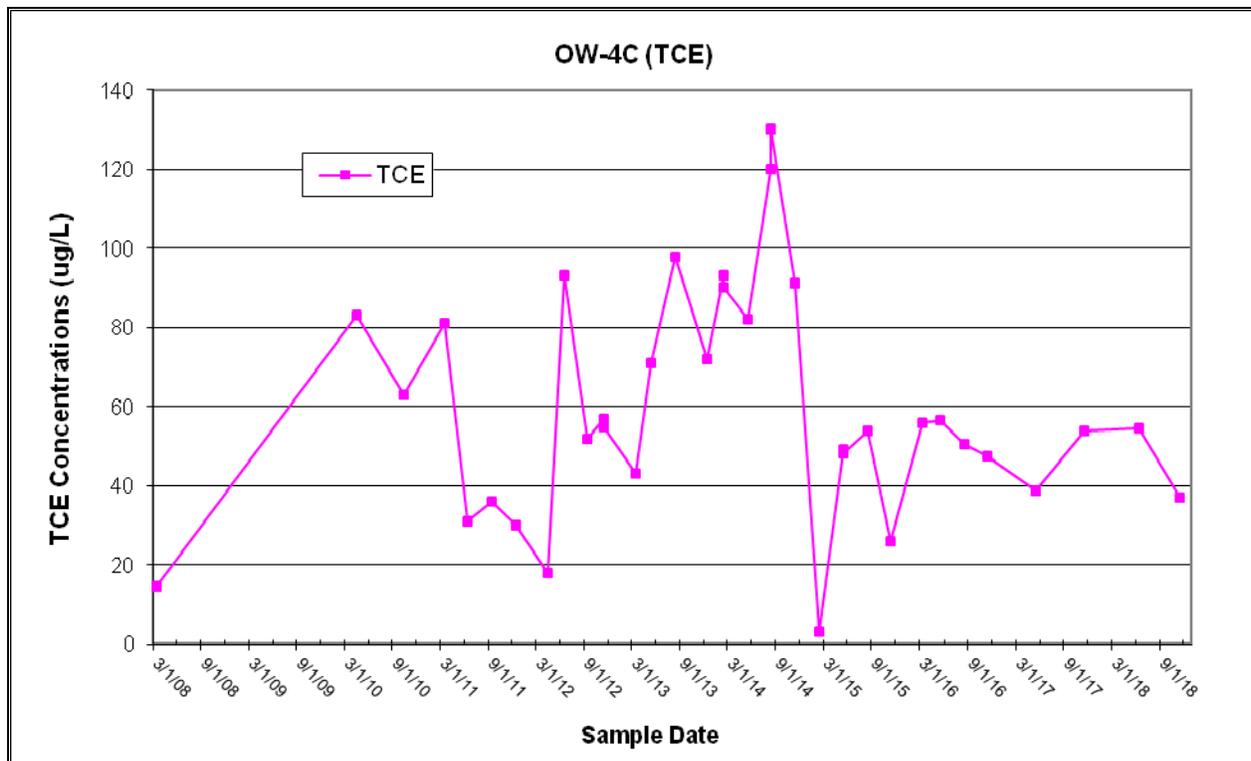
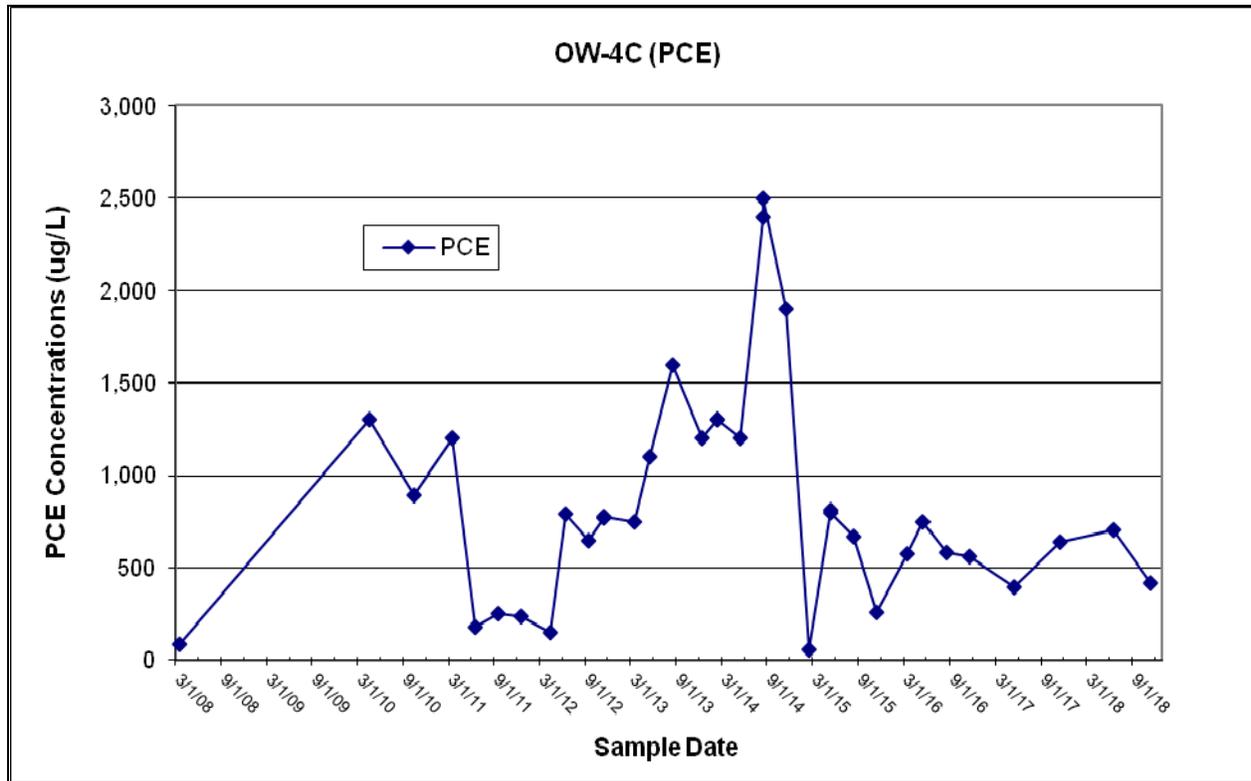


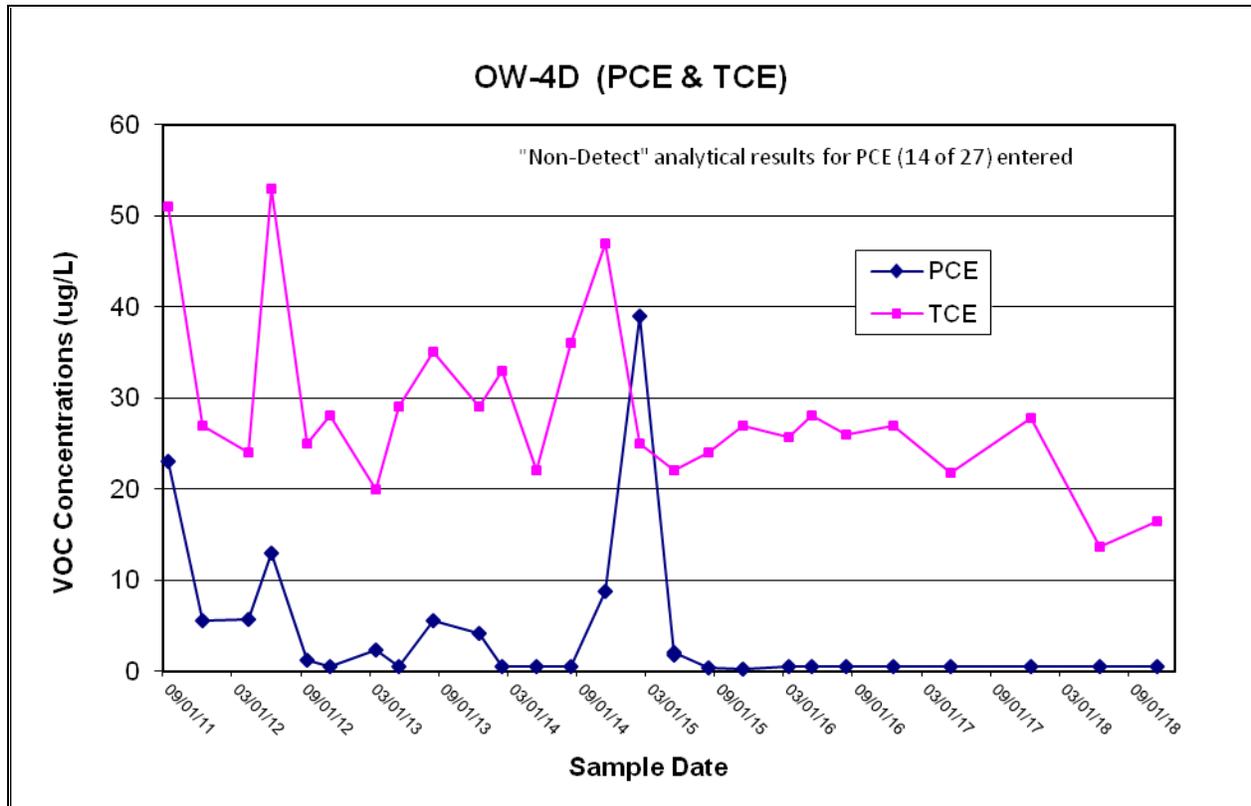










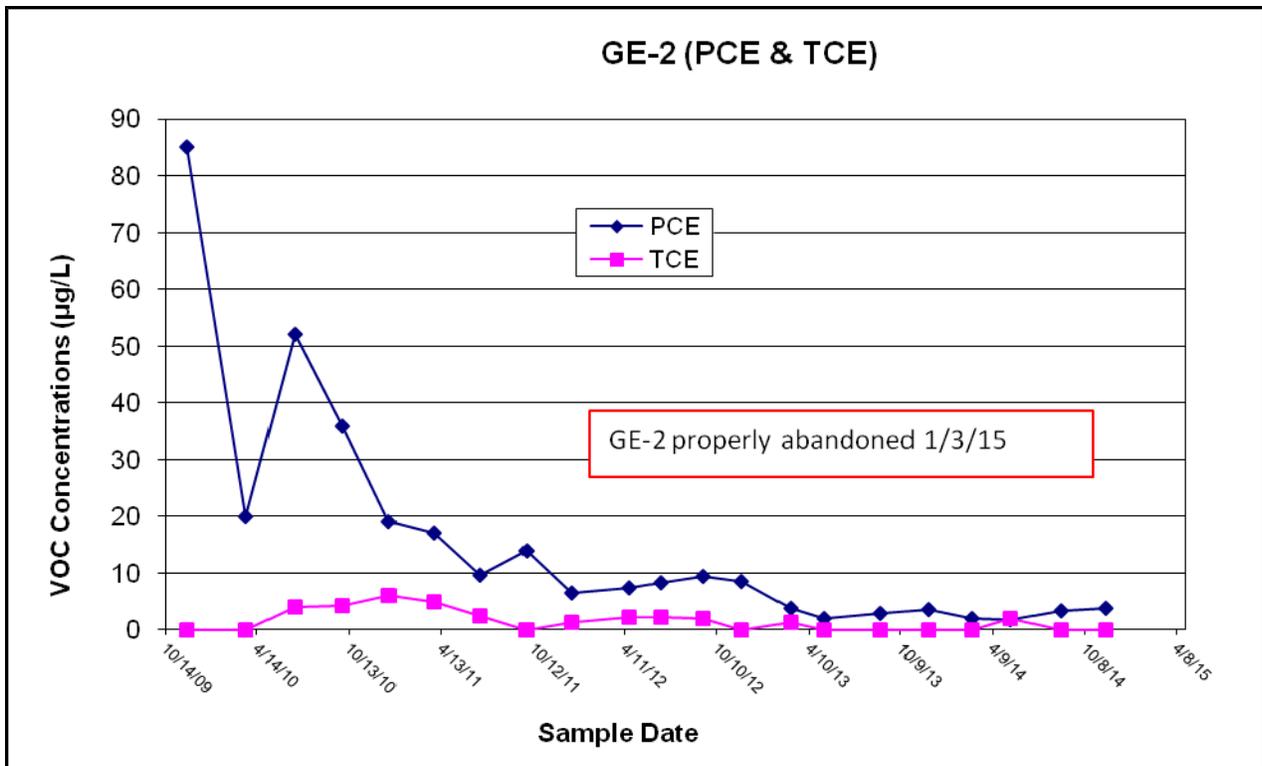
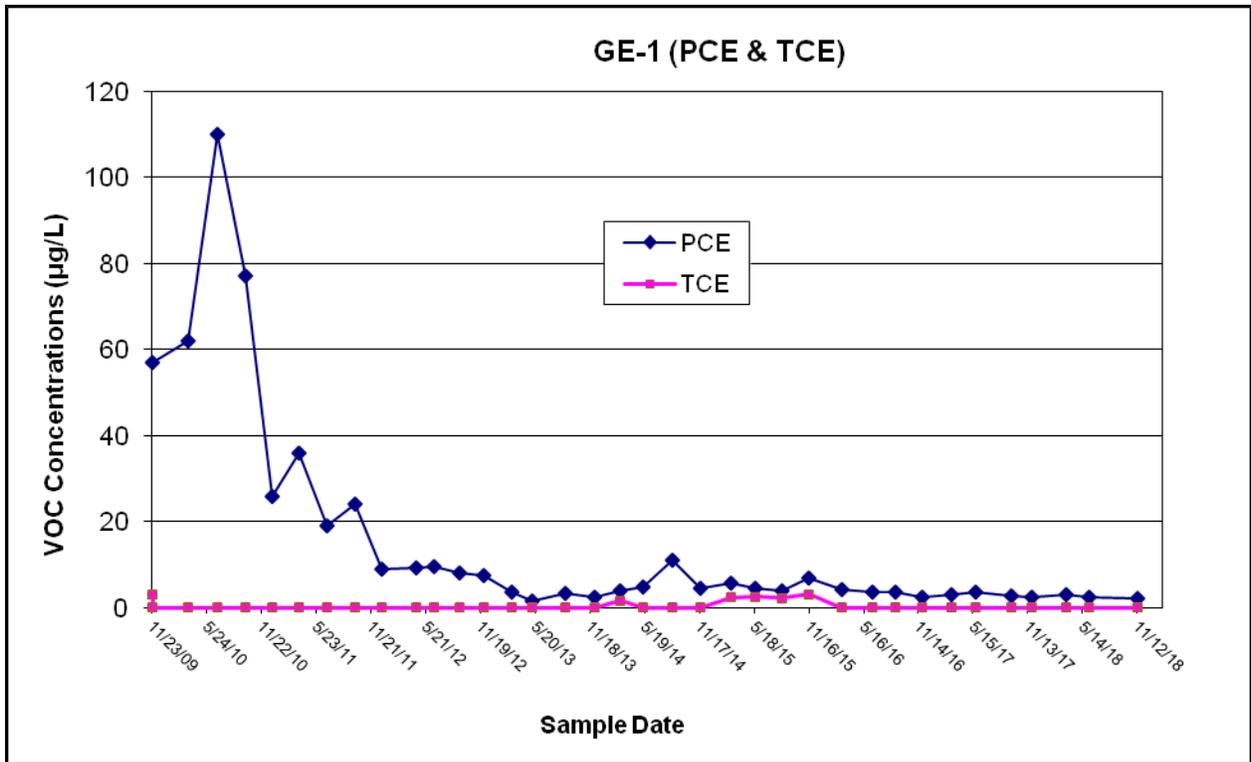


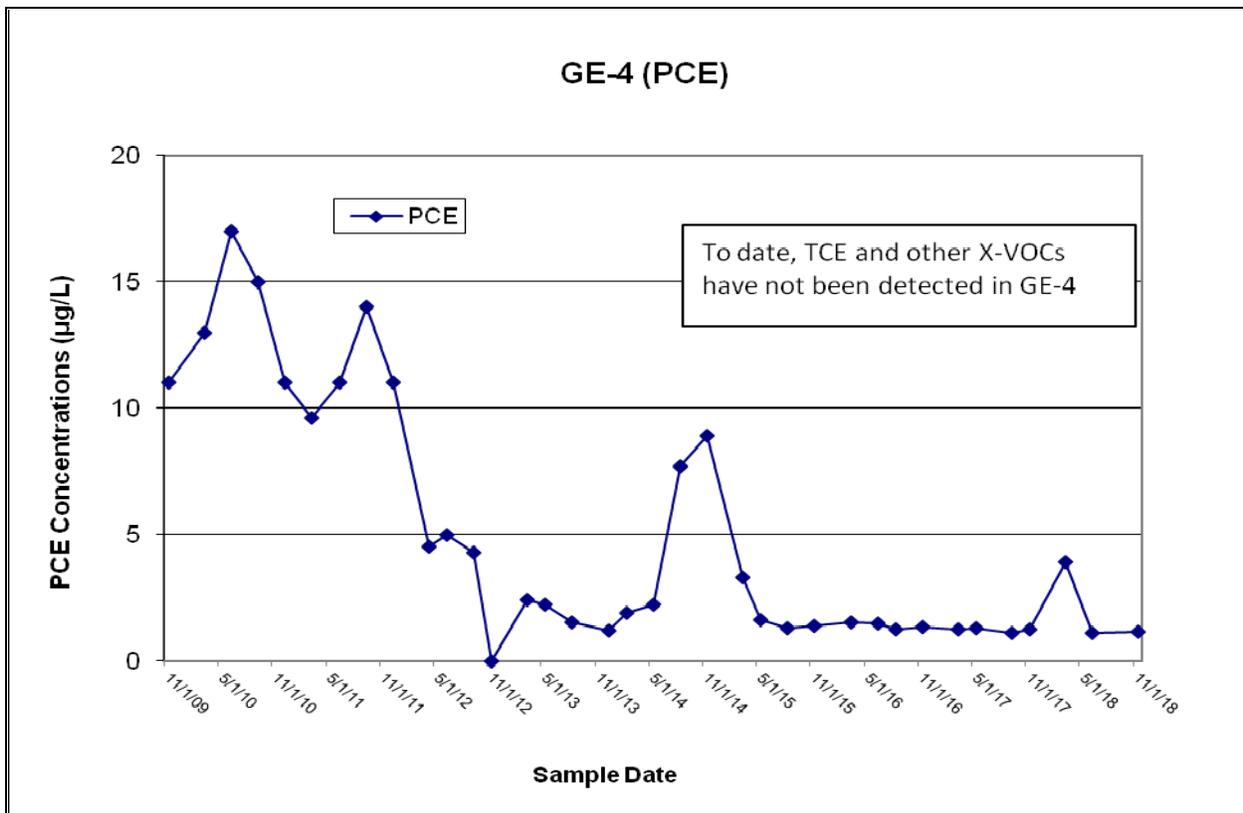
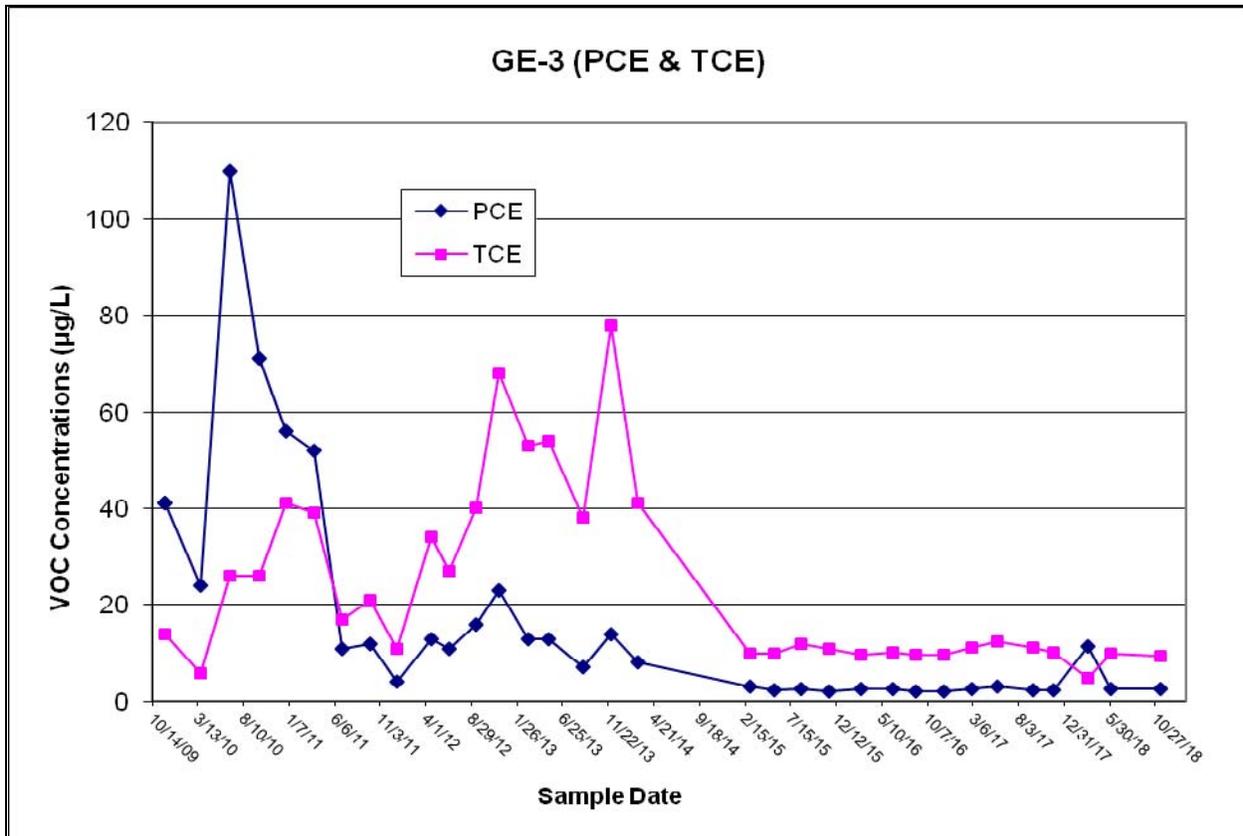
ATTACHMENT V

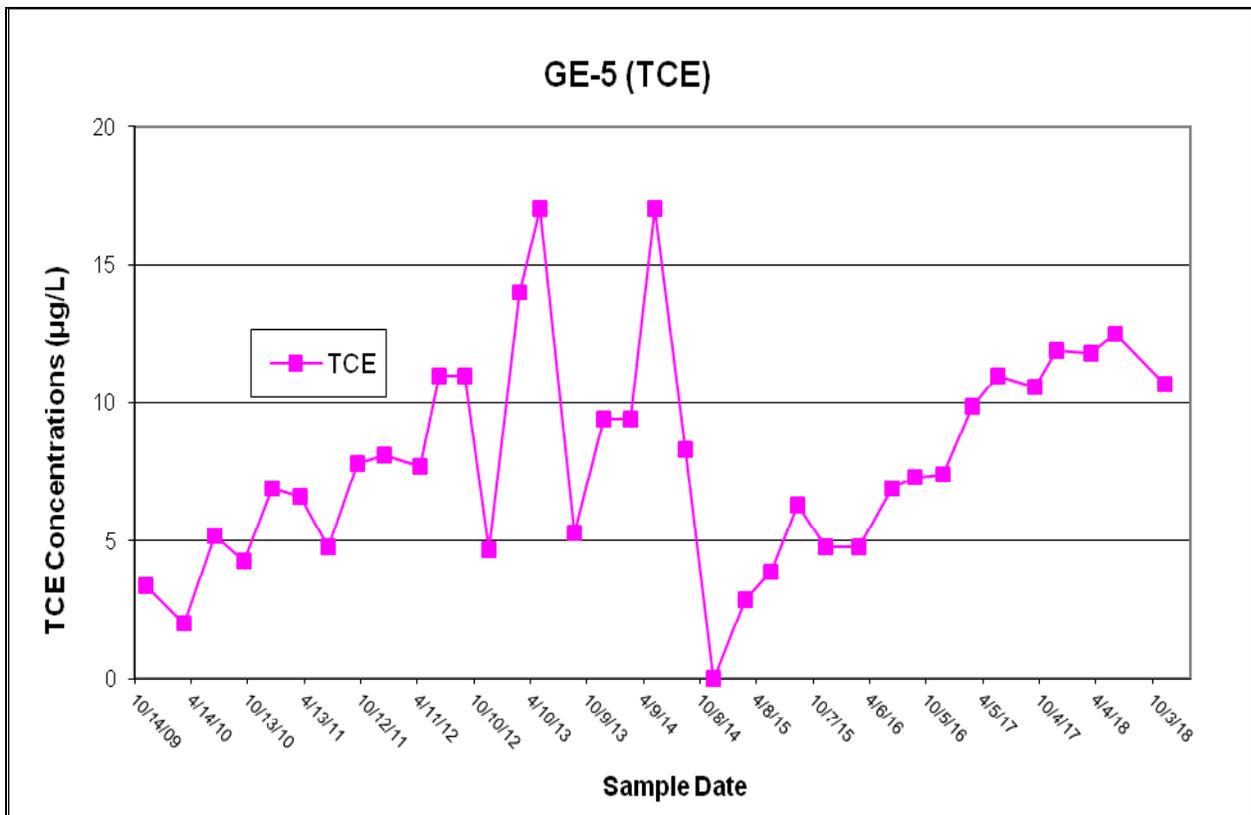
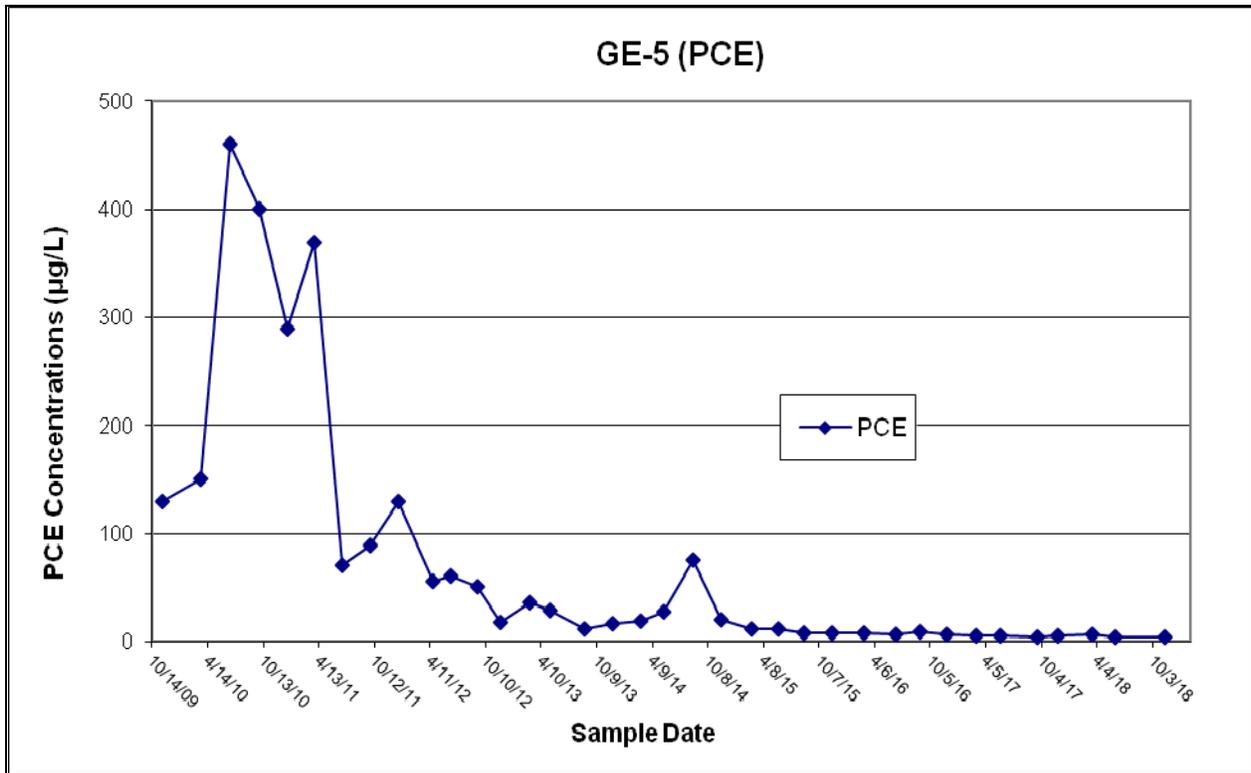
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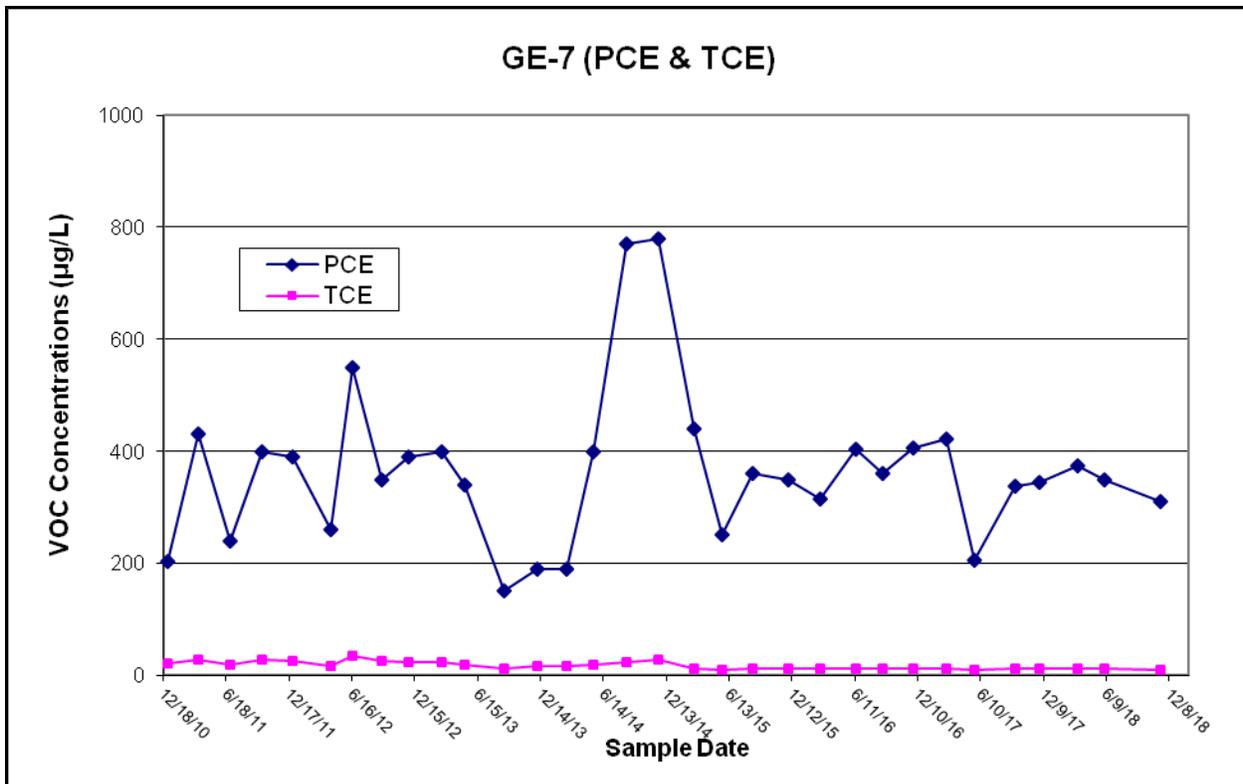
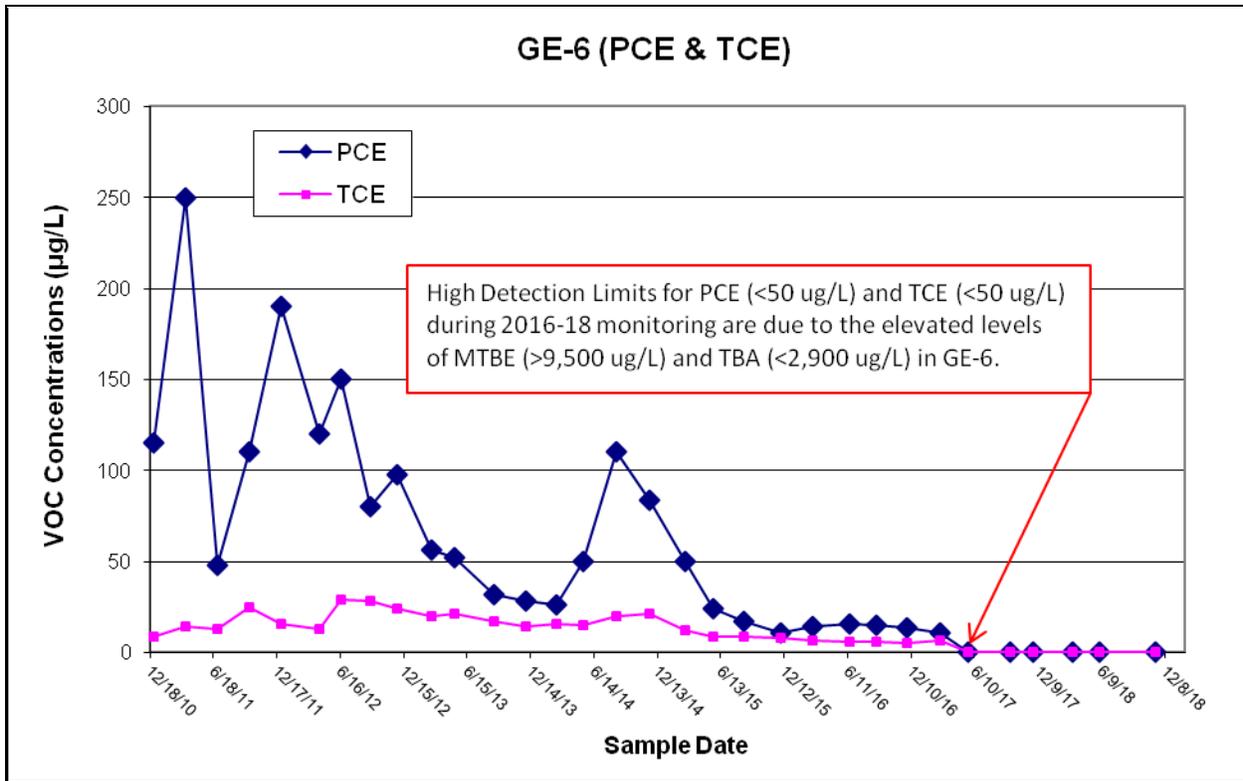
Groundwater Extraction Wells

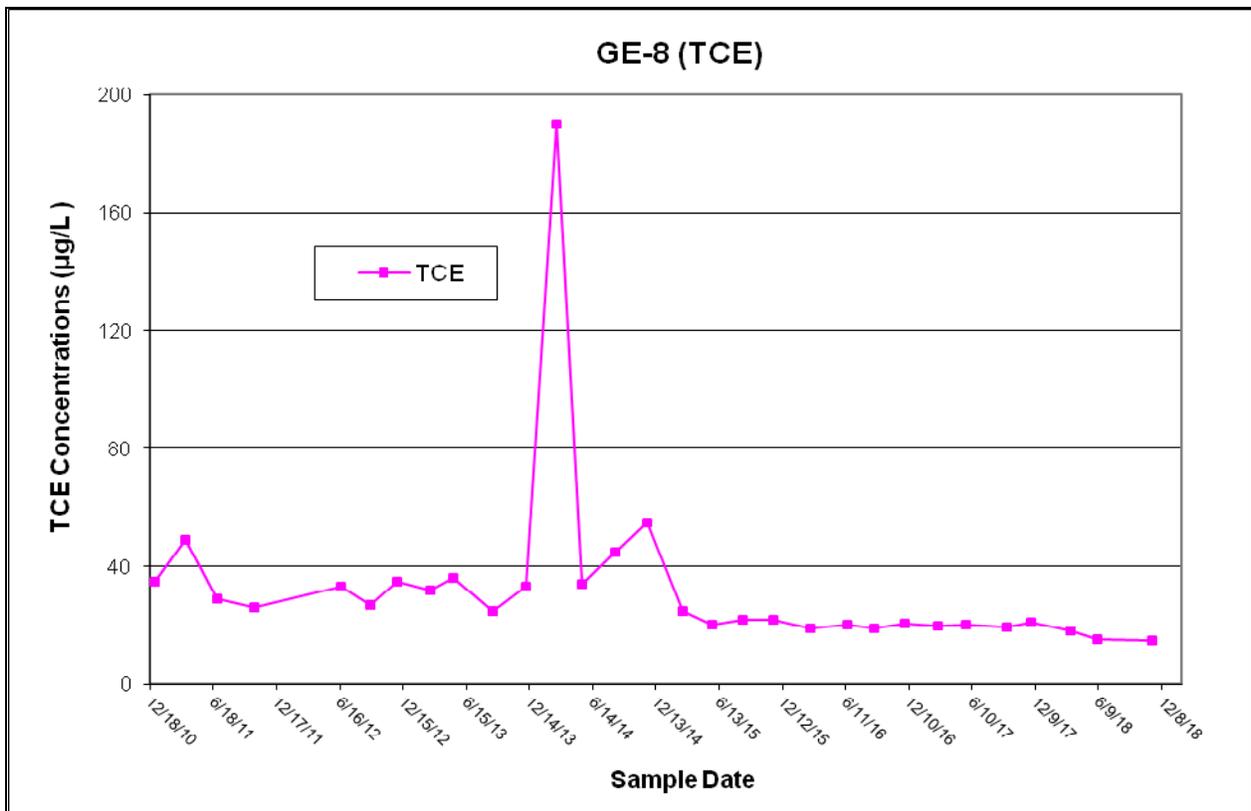
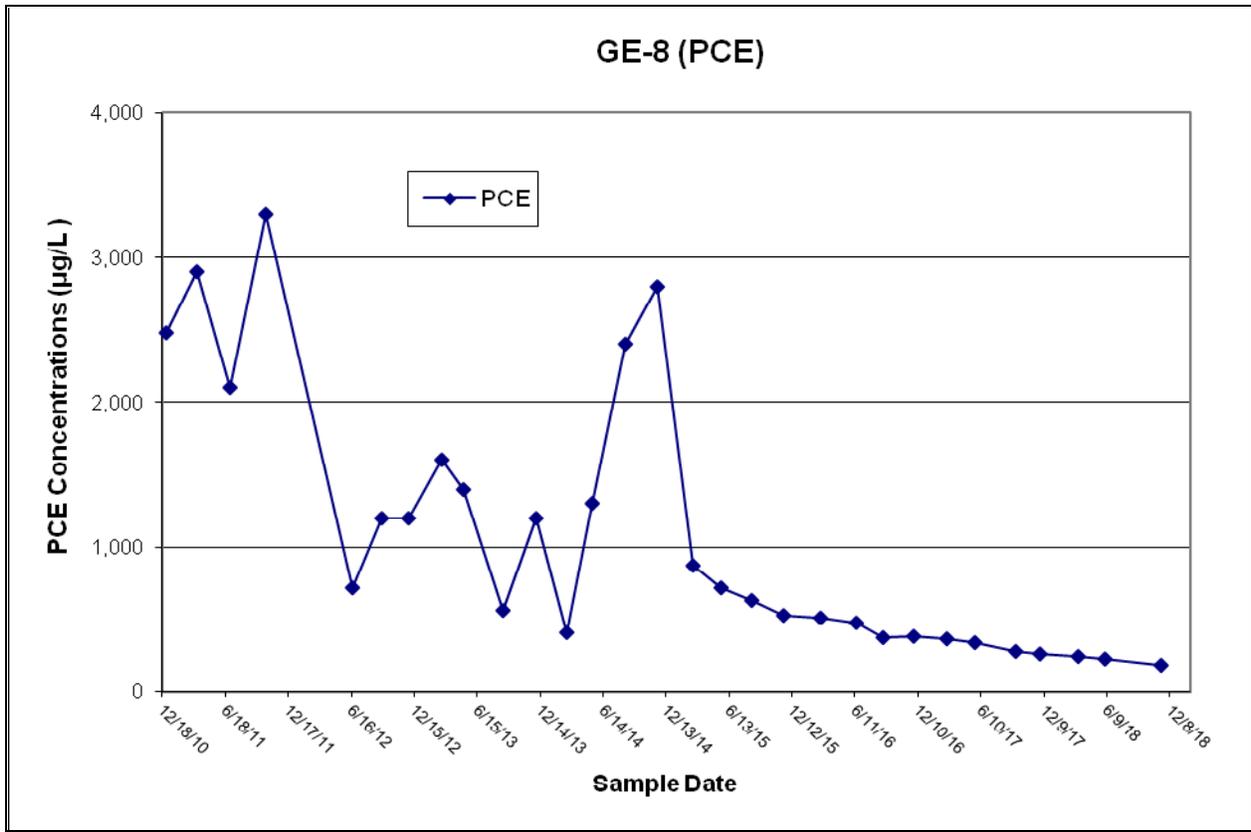
Second Half 2018

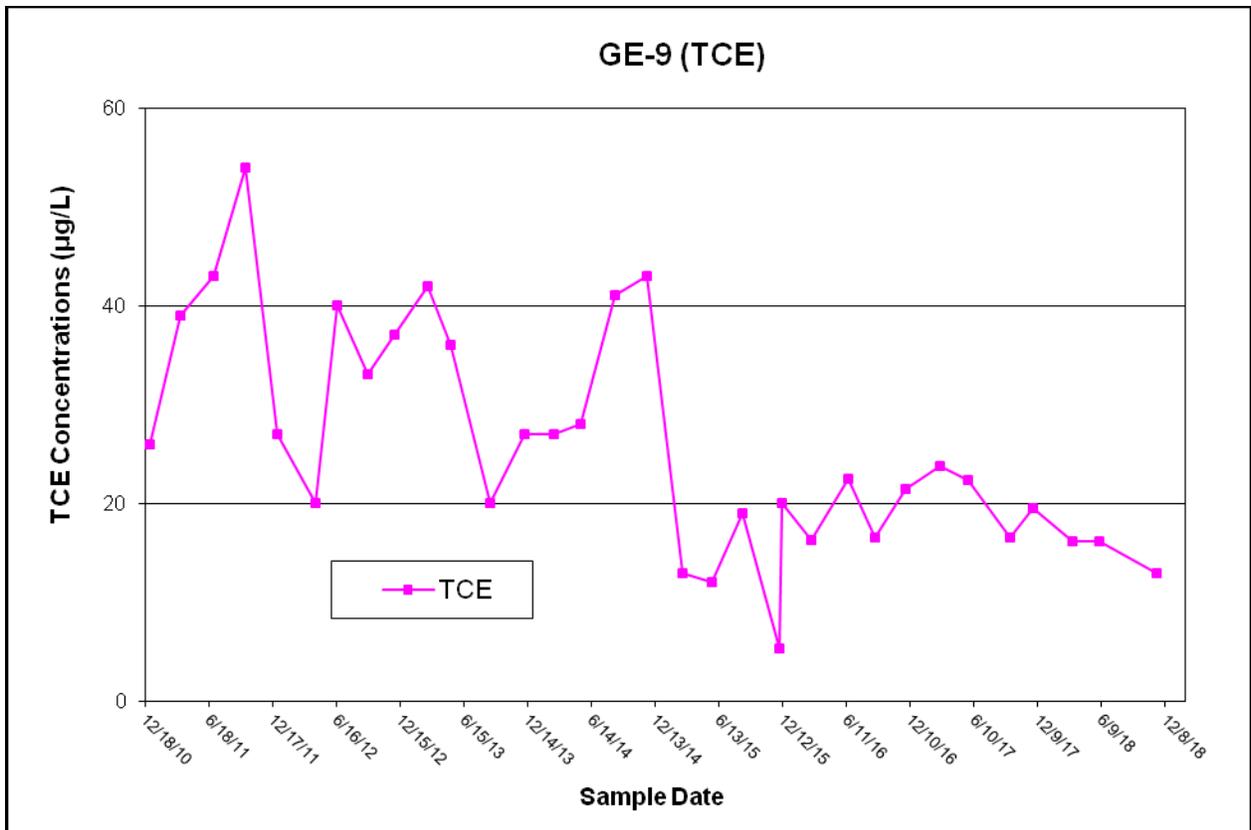
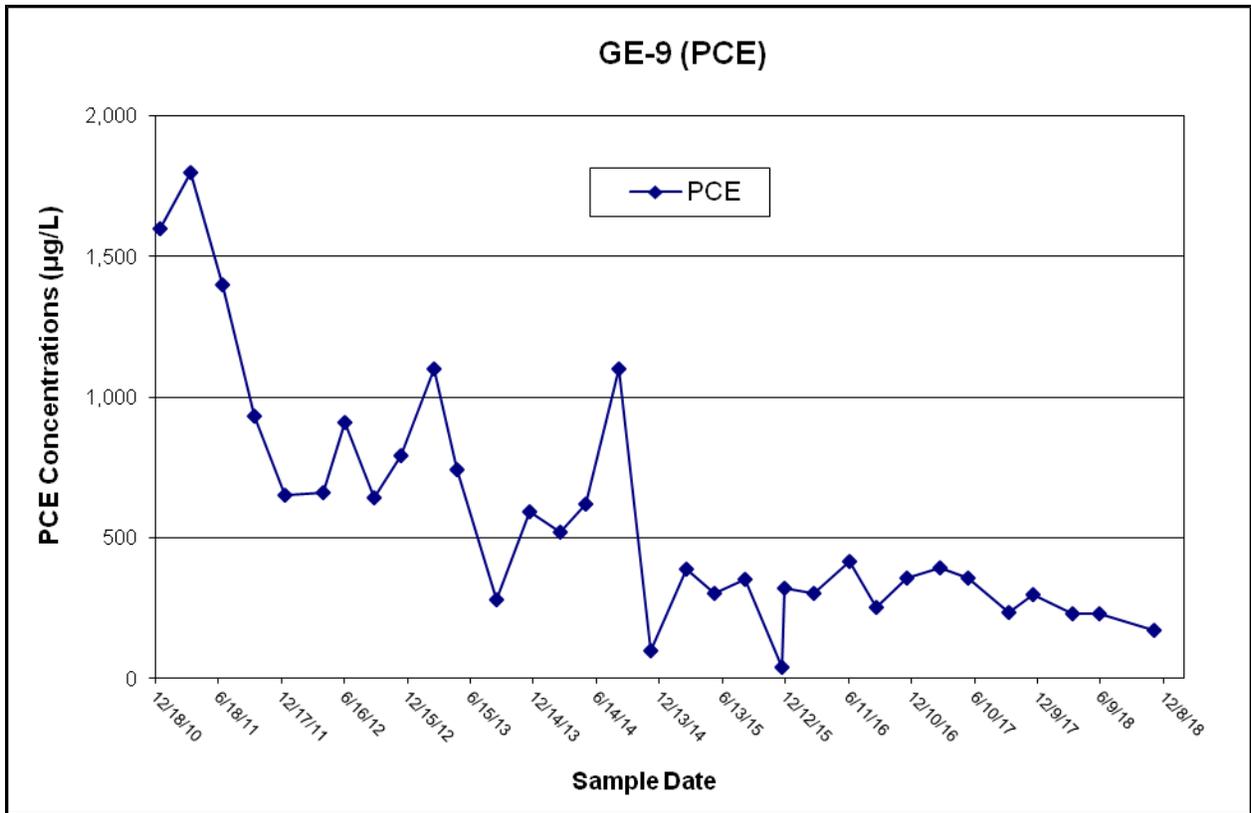


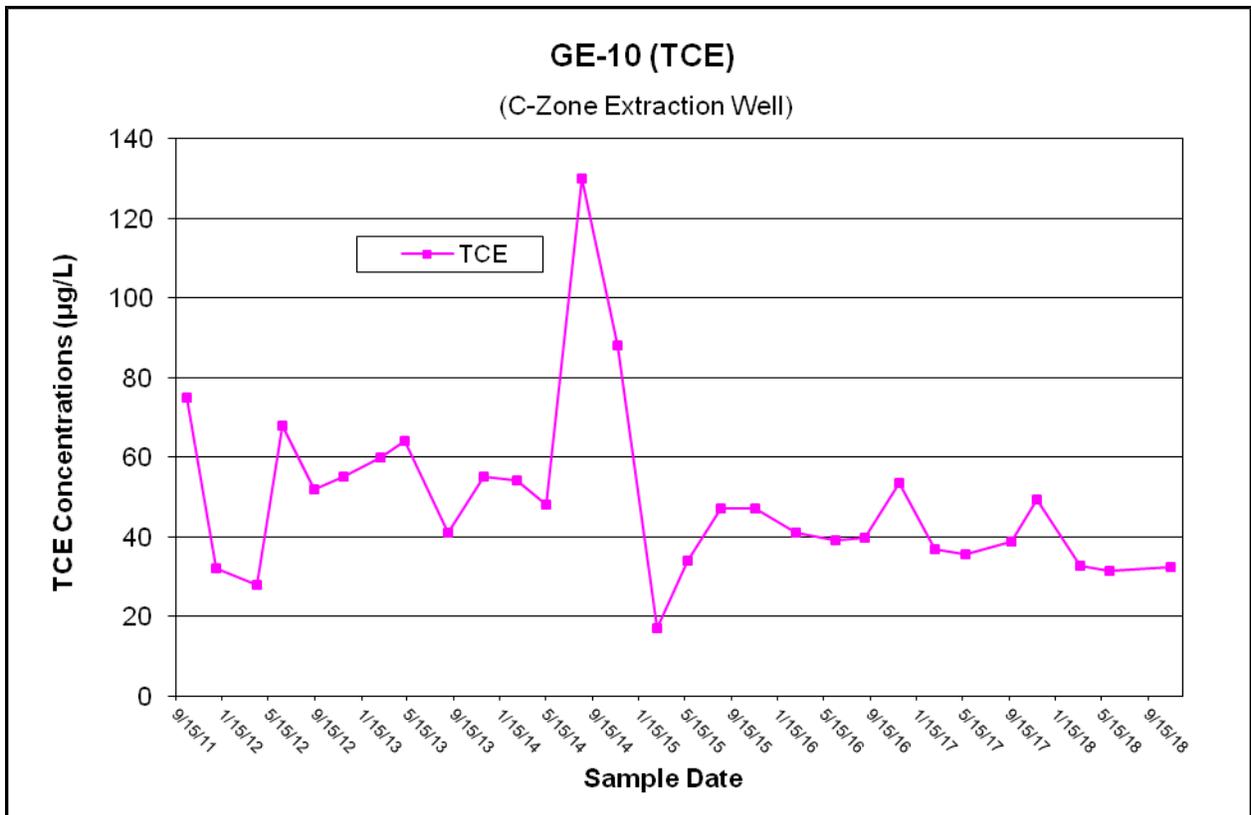
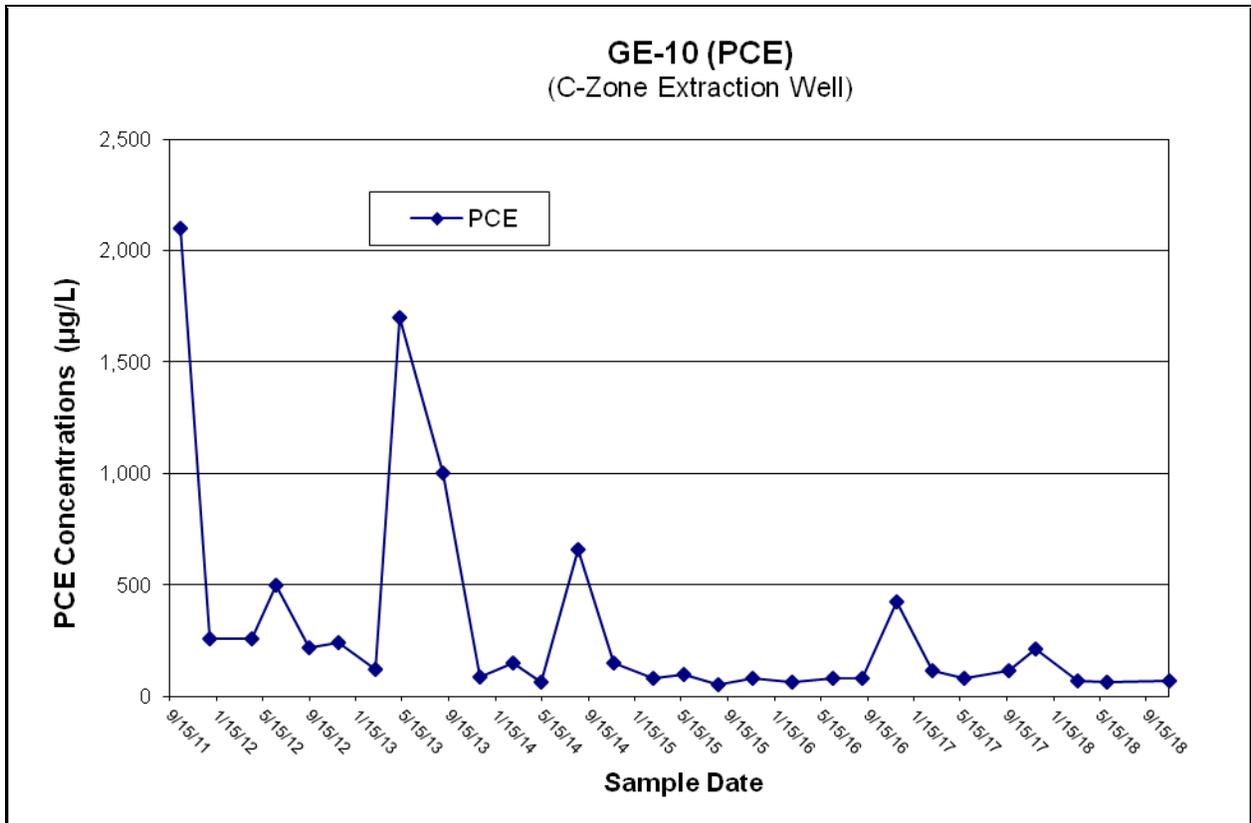


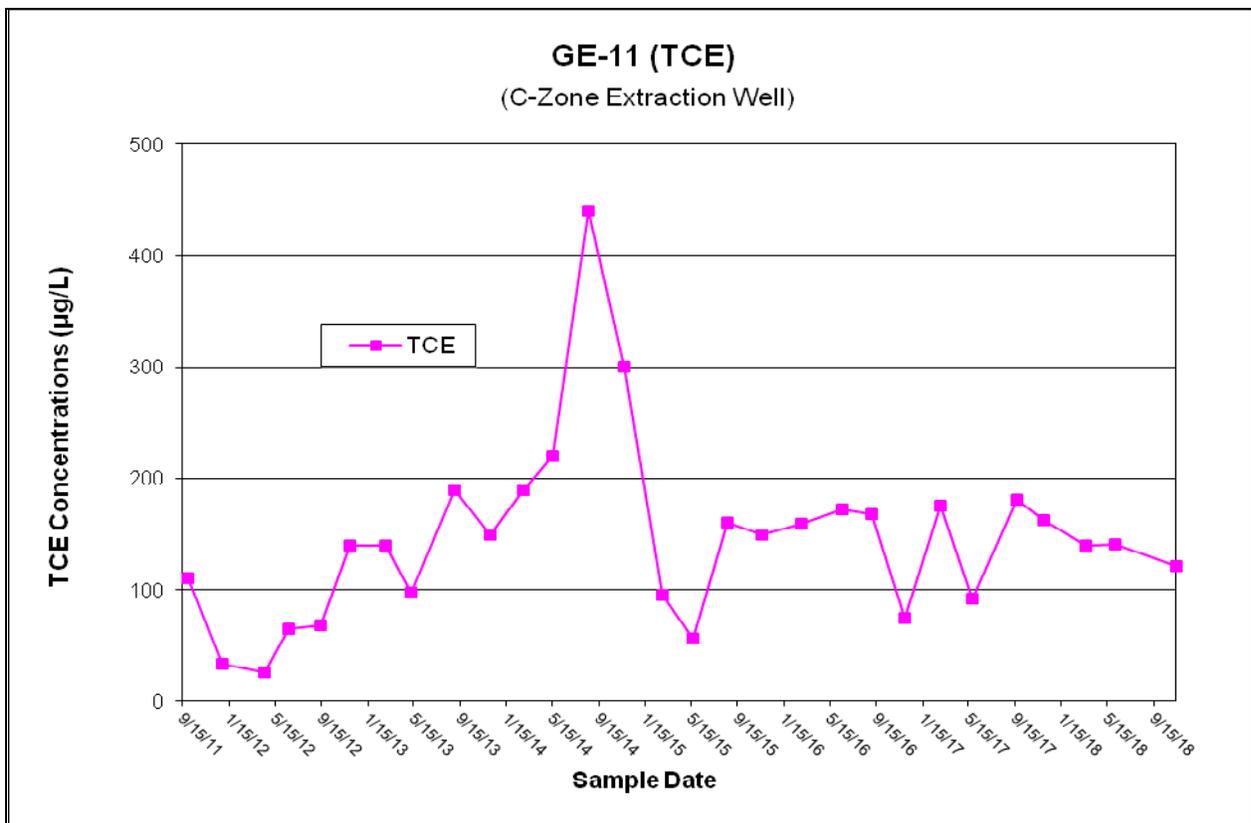
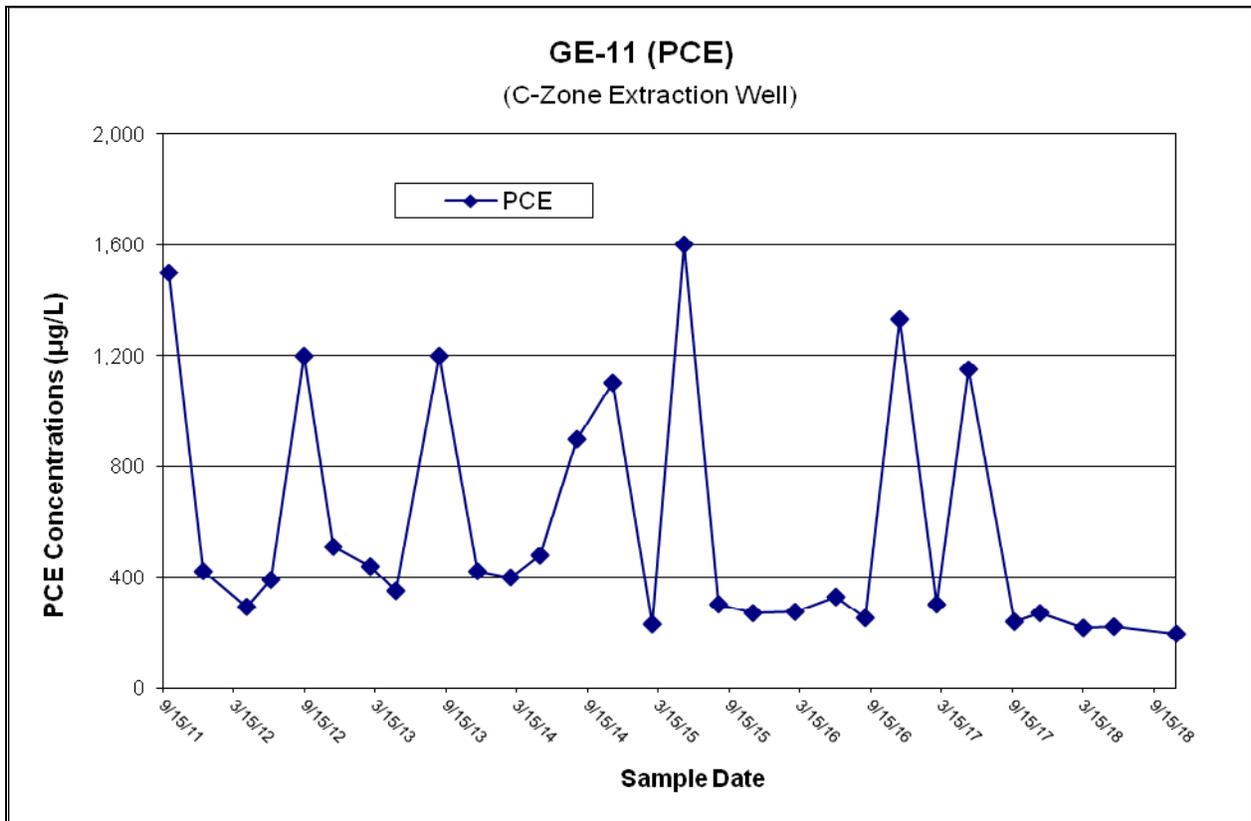


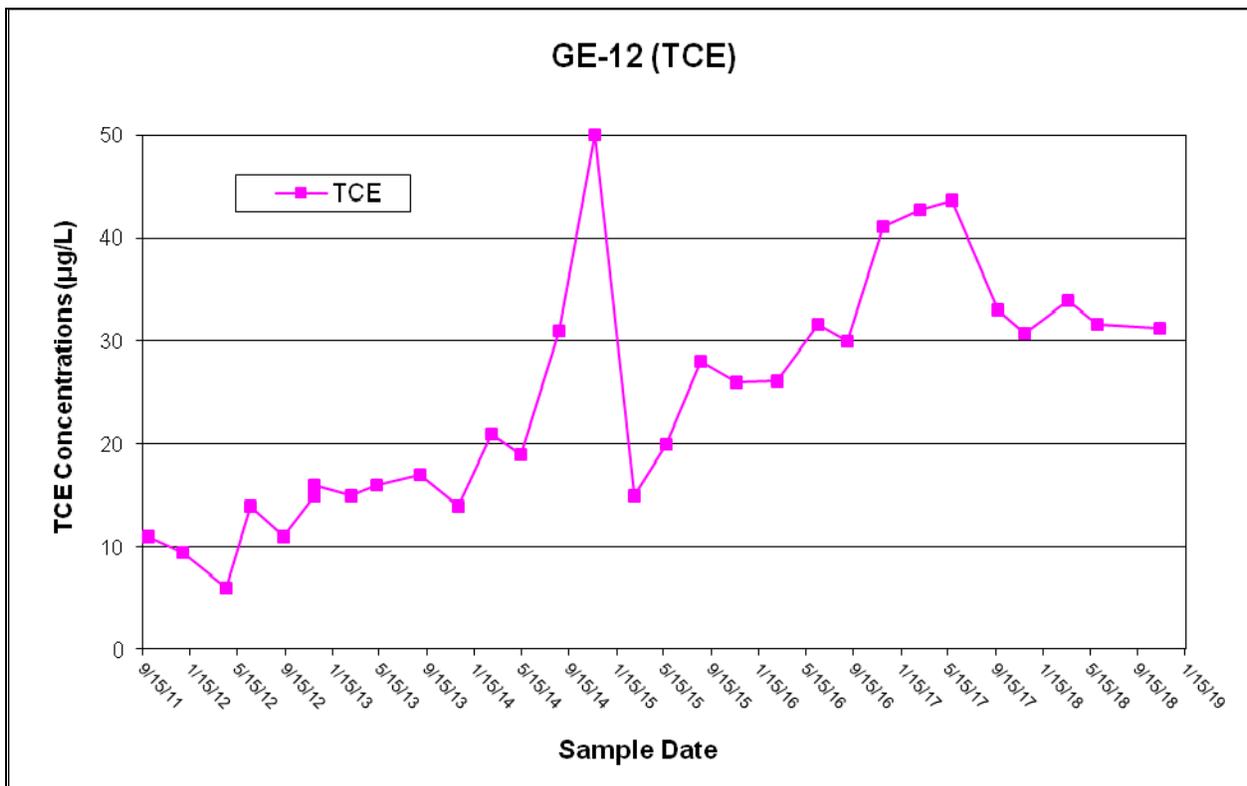
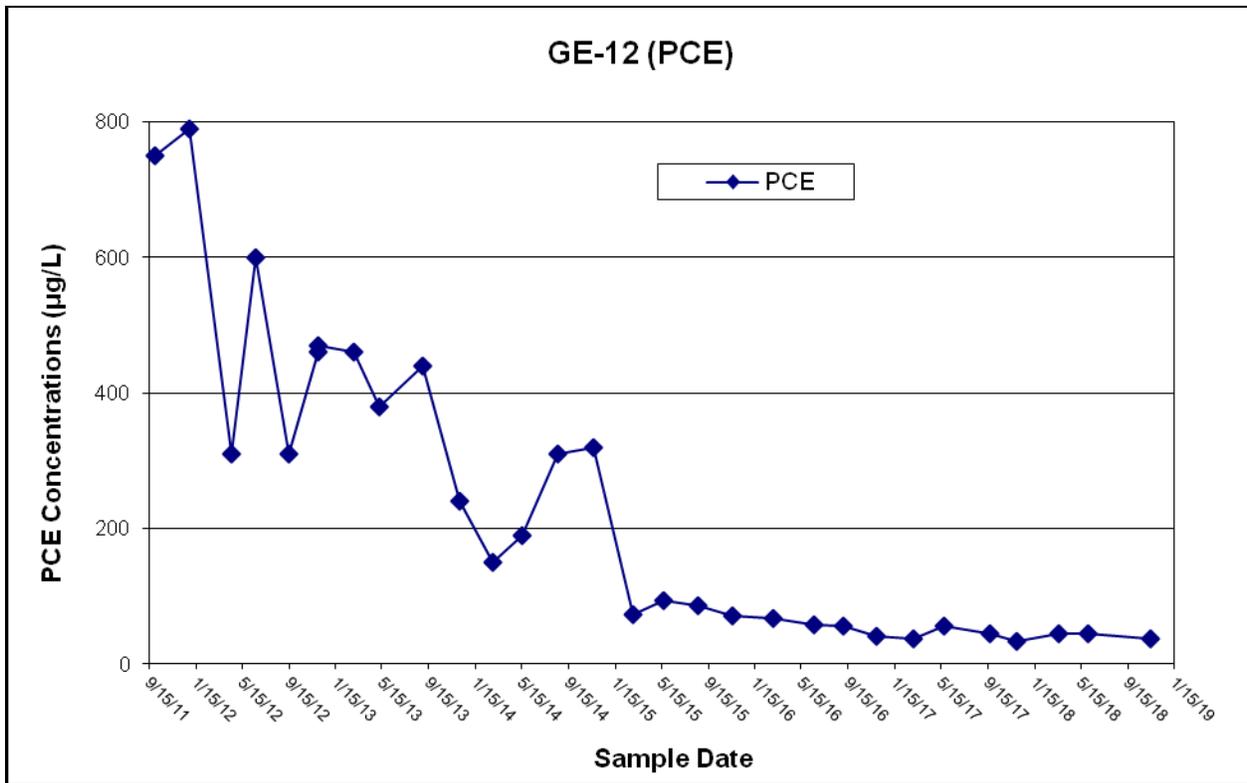












ATTACHMENT VI

**Laboratory Report of Analytical Results
and Chain-of-Custody Records**

Groundwater Extraction Wells

Second Half 2018

November 19, 2018

Leymaster Environmental Consulting, LLC

5500 E. Atherton Street, Suite 210

Long Beach, CA 90815

Re: ANCO 417 W. 164th St.

Project No. : 417 W. 164th St.

Work Order: P811008

Dear Charles Lindeman

Enclosed are the results of analyses for samples received by our laboratory on 11/12/2018. The contents of this report apply to the sample(s) analyzed in accordance with the chain-of-custody document supplied with the sample(s).

No duplication of this report is allowed, except in its entirety. Please do not hesitate to call if you have any questions and thank you very much for using Performance Analytical Laboratories for your analytical needs.

Regards,



Marycarol Valenzuela
Project Manager

Table of Contents

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Sample Results	4
Quality Assurance Results	37
Qualifiers and Definitions	45
Chain of Custody PDF	46

Leymaster Environmental Consulting, LLC
 5500 E. Atherton Street, Suite 210
 Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
 Project Number: 417 W. 164th St.
 Project Manager: Charles Lindeman

Samples in this Report

Lab ID	Sample	Qualifier	Matrix	Date Sampled	Date Received
P811008-01	GE-1		Water	11/12/2018	11/12/2018
P811008-02	GE-3		Water	11/12/2018	11/12/2018
P811008-03	GE-4		Water	11/12/2018	11/12/2018
P811008-04	GE-5		Water	11/12/2018	11/12/2018
P811008-05	GE-6		Water	11/12/2018	11/12/2018
P811008-06	GE-7		Water	11/12/2018	11/12/2018
P811008-07	GE-8		Water	11/12/2018	11/12/2018
P811008-08	GE-9		Water	11/12/2018	11/12/2018
P811008-09	GE-10		Water	11/12/2018	11/12/2018
P811008-10	GE-11		Water	11/12/2018	11/12/2018
P811008-11	GE-12		Water	11/12/2018	11/12/2018

Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: GE-1

P811008-01 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013)							
Acetone	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Acetonitrile	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Benzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromoform	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromomethane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Chloroethane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Chloroform	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Chloromethane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Chloroprene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Dibromomethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1-Dichloroethene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
c-1,2-Dichloroethene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
c-1,3-Dichloropropene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: GE-1 (Continued)

P811008-01 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013) (Continued)							
t-1,2-Dichloroethene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
2-Hexanone	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Naphthalene	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Propionitrile	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Styrene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	1	25.0	11/12/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tetrachloroethene	2.17	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Toluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,1-Trichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: GE-1 (Continued)

P811008-01 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013) (Continued)							
1,1,2-Trichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Trichloroethene	2.40	µg/L	1	1.00	11/12/2018	EPA 8260B	
Trichlorofluoromethane	2.70	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
o-Xylene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	1	2.00	11/12/2018	EPA 8260B	
Total Xylenes	ND	µg/L	1	3.00	11/12/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
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Surrogate: Dibromofluoromethane	94.5%			60-140	11/12/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	93.9%			60-140	11/12/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	106%			60-140	11/12/2018	EPA 8260B	
Surrogate: Toluene-d8	90.6%			60-140	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: GE-3

P811008-02 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013)							
Acetone	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Acetonitrile	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Benzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromoform	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromomethane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Chloroethane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Chloroform	4.13	µg/L	1	1.00	11/12/2018	EPA 8260B	
Chloromethane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Chloroprene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Dibromomethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1-Dichloroethene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
c-1,2-Dichloroethene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
c-1,3-Dichloropropene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: GE-3 (Continued)

P811008-02 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013) (Continued)							
t-1,2-Dichloroethene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
2-Hexanone	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Naphthalene	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Propionitrile	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Styrene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	1	25.0	11/12/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tetrachloroethene	2.50	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Toluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,1-Trichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: GE-3 (Continued)

P811008-02 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013) (Continued)							
1,1,2-Trichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Trichloroethene	9.44	µg/L	1	1.00	11/12/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
o-Xylene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	1	2.00	11/12/2018	EPA 8260B	
Total Xylenes	ND	µg/L	1	3.00	11/12/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	4.13	µg/L	1	1.00	11/12/2018	EPA 8260B	
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Surrogate: Dibromofluoromethane	91.7%			60-140	11/12/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	94.4%			60-140	11/12/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	104%			60-140	11/12/2018	EPA 8260B	
Surrogate: Toluene-d8	90.7%			60-140	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: GE-4

P811008-03 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
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Volatile Organic Compounds (Batch ID: B8K0013)

Acetone	29.2	µg/L	1	20.0	11/12/2018	EPA 8260B	
Acetonitrile	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Benzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromoform	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromomethane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	8.36	µg/L	1	5.00	11/12/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Chloroethane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Chloroform	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Chloromethane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Chloroprene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Dibromomethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1-Dichloroethene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
c-1,2-Dichloroethene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: GE-4 (Continued)

P811008-03 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013) (Continued)							
c-1,3-Dichloropropene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
t-1,2-Dichloroethene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
2-Hexanone	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Naphthalene	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Propionitrile	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Styrene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	1	25.0	11/12/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tetrachloroethene	1.13	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Toluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: GE-4 (Continued)

P811008-03 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013) (Continued)							
1,1,1-Trichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Trichloroethene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
o-Xylene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	1	2.00	11/12/2018	EPA 8260B	
Total Xylenes	ND	µg/L	1	3.00	11/12/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	

Surrogate: Dibromofluoromethane	93.8%			60-140	11/12/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	94.2%			60-140	11/12/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	104%			60-140	11/12/2018	EPA 8260B	
Surrogate: Toluene-d8	91.7%			60-140	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: GE-5

P811008-04 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
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Volatile Organic Compounds (Batch ID: B8K0013)

Acetone	76.6	µg/L	1	20.0	11/12/2018	EPA 8260B	
Acetonitrile	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Benzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromoform	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromomethane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	23.7	µg/L	1	5.00	11/12/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Chloroethane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Chloroform	3.75	µg/L	1	1.00	11/12/2018	EPA 8260B	
Chloromethane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Chloroprene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Dibromomethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1-Dichloroethene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
c-1,2-Dichloroethene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: GE-5 (Continued)

P811008-04 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013) (Continued)							
c-1,3-Dichloropropene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
t-1,2-Dichloroethene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
2-Hexanone	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Naphthalene	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Propionitrile	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Styrene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	1	25.0	11/12/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,1,2,2-Tetrachloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tetrachloroethene	4.15	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Toluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: GE-5 (Continued)

P811008-04 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013) (Continued)							
1,1,1-Trichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Trichloroethene	10.7	µg/L	1	1.00	11/12/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
o-Xylene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	1	2.00	11/12/2018	EPA 8260B	
Total Xylenes	ND	µg/L	1	3.00	11/12/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	3.75	µg/L	1	1.00	11/12/2018	EPA 8260B	
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Surrogate: Dibromofluoromethane	94.2%			60-140	11/12/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	93.9%			60-140	11/12/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	104%			60-140	11/12/2018	EPA 8260B	
Surrogate: Toluene-d8	91.9%			60-140	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: GE-6

P811008-05 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013)							
Acetone	ND	µg/L	100	2000	11/12/2018	EPA 8260B	
Acetonitrile	ND	µg/L	100	2000	11/12/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	100	500	11/12/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	100	100	11/12/2018	EPA 8260B	
Benzene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
Bromobenzene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	100	100	11/12/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	100	100	11/12/2018	EPA 8260B	
Bromoform	ND	µg/L	100	100	11/12/2018	EPA 8260B	
Bromomethane	ND	µg/L	100	500	11/12/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	ND	µg/L	100	500	11/12/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	100	100	11/12/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	100	100	11/12/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
Chloroethane	ND	µg/L	100	500	11/12/2018	EPA 8260B	
Chloroform	ND	µg/L	100	100	11/12/2018	EPA 8260B	
Chloromethane	ND	µg/L	100	500	11/12/2018	EPA 8260B	
Chloroprene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	100	500	11/12/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	100	100	11/12/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	100	100	11/12/2018	EPA 8260B	
Dibromomethane	ND	µg/L	100	100	11/12/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	100	100	11/12/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	100	100	11/12/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	100	100	11/12/2018	EPA 8260B	
1,1-Dichloroethene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
c-1,2-Dichloroethene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
c-1,3-Dichloropropene	ND	µg/L	100	100	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: GE-6 (Continued)

P811008-05 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013) (Continued)							
t-1,2-Dichloroethene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	100	100	11/12/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	100	100	11/12/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	100	100	11/12/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	100	500	11/12/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	100	100	11/12/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	100	500	11/12/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	100	100	11/12/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
2-Hexanone	ND	µg/L	100	500	11/12/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	100	100	11/12/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	100	500	11/12/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	100	100	11/12/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	100	2000	11/12/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	10100	µg/L	100	100	11/12/2018	EPA 8260B	
Naphthalene	ND	µg/L	100	500	11/12/2018	EPA 8260B	
Propionitrile	ND	µg/L	100	500	11/12/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
Styrene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	100	100	11/12/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	100	2500	11/12/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	100	100	11/12/2018	EPA 8260B	
1,1,1,2,2-Tetrachloroethane	ND	µg/L	100	100	11/12/2018	EPA 8260B	
Tetrachloroethene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	100	2000	11/12/2018	EPA 8260B	
Toluene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
1,1,1-Trichloroethane	ND	µg/L	100	100	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: GE-6 (Continued)

P811008-05 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013) (Continued)							
1,1,2-Trichloroethane	ND	µg/L	100	100	11/12/2018	EPA 8260B	
Trichloroethene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	100	100	11/12/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	100	100	11/12/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	100	100	11/12/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	100	100	11/12/2018	EPA 8260B	
o-Xylene	ND	µg/L	100	100	11/12/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	100	200	11/12/2018	EPA 8260B	
Total Xylenes	ND	µg/L	100	300	11/12/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	100	100	11/12/2018	EPA 8260B	

Surrogate: Dibromofluoromethane	93.4%			60-140	11/12/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	95.9%			60-140	11/12/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	106%			60-140	11/12/2018	EPA 8260B	
Surrogate: Toluene-d8	91.3%			60-140	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: GE-7

P811008-06 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013)							
Acetone	ND	µg/L	5	100	11/12/2018	EPA 8260B	
Acetonitrile	ND	µg/L	5	100	11/12/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	5	25.0	11/12/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
Benzene	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
Bromobenzene	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
Bromoform	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
Bromomethane	ND	µg/L	5	25.0	11/12/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	ND	µg/L	5	25.0	11/12/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
Chloroethane	ND	µg/L	5	25.0	11/12/2018	EPA 8260B	
Chloroform	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
Chloromethane	ND	µg/L	5	25.0	11/12/2018	EPA 8260B	
Chloroprene	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	5	25.0	11/12/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
Dibromomethane	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
1,1-Dichloroethene	8.35	µg/L	5	5.00	11/12/2018	EPA 8260B	
c-1,2-Dichloroethene	13.6	µg/L	5	5.00	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
 Project Number: 417 W. 164th St.
 Project Manager: Charles Lindeman

Sample: GE-7 (Continued)

P811008-06 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013) (Continued)							
c-1,3-Dichloropropene	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
t-1,2-Dichloroethene	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	5	25.0	11/12/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	5	25.0	11/12/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
2-Hexanone	ND	µg/L	5	25.0	11/12/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	5	25.0	11/12/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	5	100	11/12/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
Naphthalene	ND	µg/L	5	25.0	11/12/2018	EPA 8260B	
Propionitrile	ND	µg/L	5	25.0	11/12/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
Styrene	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	5	125	11/12/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
1,1,1,2,2-Tetrachloroethane	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
Tetrachloroethene	311	µg/L	5	5.00	11/12/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	5	100	11/12/2018	EPA 8260B	
Toluene	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: GE-7 (Continued)

P811008-06 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013) (Continued)							
1,1,1-Trichloroethane	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
Trichloroethene	10.5	µg/L	5	5.00	11/12/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
o-Xylene	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	5	10.0	11/12/2018	EPA 8260B	
Total Xylenes	ND	µg/L	5	15.0	11/12/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	5	5.00	11/12/2018	EPA 8260B	
<hr/>							
Surrogate: Dibromofluoromethane	91.0%			60-140	11/12/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	94.8%			60-140	11/12/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	106%			60-140	11/12/2018	EPA 8260B	
Surrogate: Toluene-d8	90.8%			60-140	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: GE-8

P811008-07 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0014)							
Acetone	ND	µg/L	2	40.0	11/13/2018	EPA 8260B	
Acetonitrile	ND	µg/L	2	40.0	11/13/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Benzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Bromobenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Bromoform	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Bromomethane	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Chloroethane	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Chloroform	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Chloromethane	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Chloroprene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Dibromomethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,1-Dichloroethane	3.94	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,1-Dichloroethene	16.6	µg/L	2	2.00	11/13/2018	EPA 8260B	
c-1,2-Dichloroethene	7.86	µg/L	2	2.00	11/13/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: GE-8 (Continued)

P811008-07 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0014) (Continued)							
c-1,3-Dichloropropene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
t-1,2-Dichloroethene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
2-Hexanone	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	2	40.0	11/13/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	203	µg/L	2	2.00	11/13/2018	EPA 8260B	
Naphthalene	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Propionitrile	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Styrene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	2	50.0	11/13/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Tetrachloroethene	187	µg/L	2	2.00	11/13/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	2	40.0	11/13/2018	EPA 8260B	
Toluene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
 Project Number: 417 W. 164th St.
 Project Manager: Charles Lindeman

Sample: GE-8 (Continued)

P811008-07 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0014) (Continued)							
1,2,4-Trichlorobenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,1,1-Trichloroethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Trichloroethene	14.8	µg/L	2	2.00	11/13/2018	EPA 8260B	
Trichlorofluoromethane	2.14	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
o-Xylene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	2	4.00	11/13/2018	EPA 8260B	
Total Xylenes	ND	µg/L	2	6.00	11/13/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
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Surrogate: Dibromofluoromethane	97.8%			60-140	11/13/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	99.0%			60-140	11/13/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	98.6%			60-140	11/13/2018	EPA 8260B	
Surrogate: Toluene-d8	99.5%			60-140	11/13/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: GE-9

P811008-08 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0014)							
Acetone	ND	µg/L	2	40.0	11/13/2018	EPA 8260B	
Acetonitrile	ND	µg/L	2	40.0	11/13/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Benzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Bromobenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Bromoform	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Bromomethane	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Chloroethane	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Chloroform	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Chloromethane	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Chloroprene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Dibromomethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,1-Dichloroethene	5.52	µg/L	2	2.00	11/13/2018	EPA 8260B	
c-1,2-Dichloroethene	5.24	µg/L	2	2.00	11/13/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: GE-9 (Continued)

P811008-08 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0014) (Continued)							
c-1,3-Dichloropropene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
t-1,2-Dichloroethene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
2-Hexanone	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	2	40.0	11/13/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Naphthalene	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Propionitrile	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Styrene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	2	50.0	11/13/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,1,1,2,2-Tetrachloroethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Tetrachloroethene	171	µg/L	2	2.00	11/13/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	2	40.0	11/13/2018	EPA 8260B	
Toluene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: GE-9 (Continued)

P811008-08 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0014) (Continued)							
1,1,1-Trichloroethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Trichloroethene	12.9	µg/L	2	2.00	11/13/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	9.92	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
o-Xylene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	2	4.00	11/13/2018	EPA 8260B	
Total Xylenes	ND	µg/L	2	6.00	11/13/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
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Surrogate: Dibromofluoromethane	99.7%			60-140	11/13/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	98.4%			60-140	11/13/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	100%			60-140	11/13/2018	EPA 8260B	
Surrogate: Toluene-d8	99.8%			60-140	11/13/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: GE-10

P811008-09 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013)							
Acetone	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Acetonitrile	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Benzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromoform	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromomethane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Chloroethane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Chloroform	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Chloromethane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Chloroprene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Dibromomethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1-Dichloroethene	16.0	µg/L	1	1.00	11/12/2018	EPA 8260B	
c-1,2-Dichloroethene	1.06	µg/L	1	1.00	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: GE-10 (Continued)

P811008-09 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013) (Continued)							
c-1,3-Dichloropropene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
t-1,2-Dichloroethene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
2-Hexanone	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Naphthalene	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Propionitrile	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Styrene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	1	25.0	11/12/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,1,2,2-Tetrachloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tetrachloroethene	68.1	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Toluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: GE-10 (Continued)

P811008-09 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013) (Continued)							
1,1,1-Trichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Trichloroethene	32.5	µg/L	1	1.00	11/12/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
o-Xylene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	1	2.00	11/12/2018	EPA 8260B	
Total Xylenes	ND	µg/L	1	3.00	11/12/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
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Surrogate: Dibromofluoromethane	93.0%			60-140	11/12/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	94.7%			60-140	11/12/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	105%			60-140	11/12/2018	EPA 8260B	
Surrogate: Toluene-d8	90.9%			60-140	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: GE-11

P811008-10 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0014)							
Acetone	ND	µg/L	2	40.0	11/13/2018	EPA 8260B	
Acetonitrile	ND	µg/L	2	40.0	11/13/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Benzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Bromobenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Bromoform	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Bromomethane	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Chloroethane	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Chloroform	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Chloromethane	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Chloroprene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Dibromomethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,1-Dichloroethene	22.2	µg/L	2	2.00	11/13/2018	EPA 8260B	
c-1,2-Dichloroethene	7.46	µg/L	2	2.00	11/13/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: GE-11 (Continued)

P811008-10 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0014) (Continued)							
c-1,3-Dichloropropene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
t-1,2-Dichloroethene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
2-Hexanone	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	2	40.0	11/13/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Naphthalene	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
Propionitrile	ND	µg/L	2	10.0	11/13/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Styrene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	2	50.0	11/13/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,1,1,2,2-Tetrachloroethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Tetrachloroethene	196	µg/L	2	2.00	11/13/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	2	40.0	11/13/2018	EPA 8260B	
Toluene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: GE-11 (Continued)

P811008-10 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0014) (Continued)							
1,1,1-Trichloroethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Trichloroethene	121	µg/L	2	2.00	11/13/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
o-Xylene	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	2	4.00	11/13/2018	EPA 8260B	
Total Xylenes	ND	µg/L	2	6.00	11/13/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	2	2.00	11/13/2018	EPA 8260B	
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Surrogate: Dibromofluoromethane	98.5%			60-140	11/13/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	98.1%			60-140	11/13/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	101%			60-140	11/13/2018	EPA 8260B	
Surrogate: Toluene-d8	101%			60-140	11/13/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: GE-12

P811008-11 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013)							
Acetone	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Acetonitrile	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Benzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromoform	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Bromomethane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Chloroethane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Chloroform	1.47	µg/L	1	1.00	11/12/2018	EPA 8260B	
Chloromethane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Chloroprene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Dibromomethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1-Dichloroethane	2.38	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1-Dichloroethene	1.03	µg/L	1	1.00	11/12/2018	EPA 8260B	
c-1,2-Dichloroethene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: GE-12 (Continued)

P811008-11 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013) (Continued)							
c-1,3-Dichloropropene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
t-1,2-Dichloroethene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
2-Hexanone	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Naphthalene	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
Propionitrile	ND	µg/L	1	5.00	11/12/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Styrene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	1	25.0	11/12/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,1,2,2-Tetrachloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tetrachloroethene	37.5	µg/L	1	1.00	11/12/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	1	20.0	11/12/2018	EPA 8260B	
Toluene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Sample: GE-12 (Continued)

P811008-11 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8K0013) (Continued)							
1,1,1-Trichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Trichloroethene	31.2	µg/L	1	1.00	11/12/2018	EPA 8260B	
Trichlorofluoromethane	2.53	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
o-Xylene	ND	µg/L	1	1.00	11/12/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	1	2.00	11/12/2018	EPA 8260B	
Total Xylenes	ND	µg/L	1	3.00	11/12/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	1.47	µg/L	1	1.00	11/12/2018	EPA 8260B	

Surrogate: Dibromofluoromethane	90.9%			60-140	11/12/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	93.8%			60-140	11/12/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	105%			60-140	11/12/2018	EPA 8260B	
Surrogate: Toluene-d8	91.0%			60-140	11/12/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Quality Control

Volatile Organic Compounds

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: B8K0013

Blank (B8K0013-BLK1)

Prepared & Analyzed: 11/12/2018

Acetone	ND		20.0	µg/L						
Acetonitrile	ND		20.0	µg/L						
Acrylonitrile	ND		5.00	µg/L						
Allyl Chloride	ND		1.00	µg/L						
Benzene	ND		1.00	µg/L						
Bromobenzene	ND		1.00	µg/L						
Bromochloromethane	ND		1.00	µg/L						
Bromodichloromethane	ND		1.00	µg/L						
Bromoform	ND		1.00	µg/L						
Bromomethane	ND		5.00	µg/L						
2-Butanone (Methyl Ethyl Ketone - MEK)	ND		5.00	µg/L						
n-Butylbenzene	ND		1.00	µg/L						
Carbon Disulfide	ND		1.00	µg/L						
Carbon Tetrachloride	ND		1.00	µg/L						
Chlorobenzene	ND		1.00	µg/L						
Chloroethane	ND		5.00	µg/L						
Chloroform	ND		1.00	µg/L						
Chloromethane	ND		5.00	µg/L						
Chloroprene	ND		1.00	µg/L						
2-Chlorotoluene	ND		1.00	µg/L						
4-Chlorotoluene	ND		1.00	µg/L						
1,2-Dibromo-3-Chloropropane	ND		5.00	µg/L						
Dibromochloromethane	ND		1.00	µg/L						
1,2-Dibromoethane (EDB)	ND		1.00	µg/L						
Dibromomethane	ND		1.00	µg/L						
cis-1,4-dichloro-2-butene	ND		1.00	µg/L						
t-1,4-Dichloro-2-Butene	ND		1.00	µg/L						
1,2-Dichlorobenzene	ND		1.00	µg/L						
1,3-Dichlorobenzene	ND		1.00	µg/L						
1,4-Dichlorobenzene	ND		1.00	µg/L						
Dichlorodifluoromethane (Freon 12)	ND		1.00	µg/L						
1,1-Dichloroethane	ND		1.00	µg/L						
1,2-Dichloroethane	ND		1.00	µg/L						
1,1-Dichloroethene	ND		1.00	µg/L						
c-1,2-Dichloroethene	ND		1.00	µg/L						
c-1,3-Dichloropropene	ND		1.00	µg/L						
t-1,2-Dichloroethene	ND		1.00	µg/L						
1,2-Dichloropropane	ND		1.00	µg/L						
1,3-Dichloropropane	ND		1.00	µg/L						
2,2-Dichloropropane	ND		1.00	µg/L						
1,1-Dichloropropene	ND		1.00	µg/L						
t-1,3-Dichloropropene	ND		1.00	µg/L						
Diethyl Ether	ND		5.00	µg/L						
Diisopropyl Ether (DIPE)	ND		1.00	µg/L						
Ethylbenzene	ND		1.00	µg/L						

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: B8K0013 (Continued)

Blank (B8K0013-BLK1)

Prepared & Analyzed: 11/12/2018

Ethyl Methacrylate	ND		5.00	µg/L						
Ethyl-tert-butyl-ether (ETBE)	ND		1.00	µg/L						
Hexachloro-1,3-Butadiene	ND		1.00	µg/L						
2-Hexanone	ND		5.00	µg/L						
Isopropylbenzene	ND		1.00	µg/L						
p-Isopropyltoluene	ND		1.00	µg/L						
Methacrylonitrile	ND		1.00	µg/L						
Methylene Chloride	ND		5.00	µg/L						
Methyl Methacrylate	ND		1.00	µg/L						
4-Methyl-2-Pentanone	ND		20.0	µg/L						
Methyl-t-Butyl Ether (MTBE)	ND		1.00	µg/L						
Naphthalene	ND		5.00	µg/L						
Propionitrile	ND		5.00	µg/L						
n-Propylbenzene	ND		1.00	µg/L						
sec-Butylbenzene	ND		1.00	µg/L						
Styrene	ND		1.00	µg/L						
Tert-amyl-Methyl Ether (TAME)	ND		1.00	µg/L						
Tert-Butyl Alcohol (TBA)	ND		25.0	µg/L						
tert-Butylbenzene	ND		1.00	µg/L						
1,1,1,2-Tetrachloroethane	ND		1.00	µg/L						
1,1,2,2-Tetrachloroethane	ND		1.00	µg/L						
Tetrachloroethene	ND		1.00	µg/L						
Tetrahydrofuran	ND		20.0	µg/L						
Toluene	ND		1.00	µg/L						
1,2,3-Trichlorobenzene	ND		1.00	µg/L						
1,2,4-Trichlorobenzene	ND		1.00	µg/L						
1,1,1-Trichloroethane	ND		1.00	µg/L						
1,1,2-Trichloroethane	ND		1.00	µg/L						
Trichloroethene	ND		1.00	µg/L						
Trichlorofluoromethane	ND		1.00	µg/L						
1,2,3-Trichloropropane	ND		1.00	µg/L						
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1.00	µg/L						
1,3,5-Trimethylbenzene	ND		1.00	µg/L						
1,2,4-Trimethylbenzene	ND		1.00	µg/L						
Vinyl Chloride	ND		1.00	µg/L						
o-Xylene	ND		1.00	µg/L						
p/m-Xylene	ND		2.00	µg/L						
Total Xylenes	ND		3.00	µg/L						
Total Trihalomethanes (TTHM)	ND		1.00	µg/L						
Surrogate: Dibromofluoromethane	45.4			µg/L	50.0		90.9	60-140		
Surrogate: 4-Bromofluorobenzene	48.0			µg/L	50.0		96.0	60-140		
Surrogate: 1,2-Dichloroethane-d4	51.7			µg/L	50.0		103	60-140		
Surrogate: Toluene-d8	45.5			µg/L	50.0		90.9	60-140		

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8K0013 (Continued)										
LCS (B8K0013-BS1)										
Prepared & Analyzed: 11/12/2018										
Benzene	39.8		1.00	µg/L	40.0		99.6	70-130		
Bromobenzene	38.0		1.00	µg/L	40.0		95.0	70-130		
Bromodichloromethane	41.9		1.00	µg/L	40.0		105	70-130		
Bromoform	40.3		1.00	µg/L	40.0		101	70-130		
Chlorobenzene	40.6		1.00	µg/L	40.0		102	70-130		
Chloroethane	35.6		5.00	µg/L	40.0		88.9	70-130		
Chloroform	40.0		1.00	µg/L	40.0		100	70-130		
4-Chlorotoluene	44.7		1.00	µg/L	40.0		112	70-130		
Dibromomethane	39.1		1.00	µg/L	40.0		97.7	70-130		
1,2-Dichlorobenzene	40.3		1.00	µg/L	40.0		101	70-130		
1,1-Dichloroethene	38.6		1.00	µg/L	40.0		96.6	70-130		
1,2-Dichloropropane	43.4		1.00	µg/L	40.0		109	70-130		
2,2-Dichloropropane	38.7		1.00	µg/L	40.0		96.7	70-130		
1,1-Dichloropropene	39.2		1.00	µg/L	40.0		98.0	70-130		
Diethyl Ether	35.3		5.00	µg/L	40.0		88.3	70-130		
Diisopropyl Ether (DIPE)	42.4		1.00	µg/L	40.0		106	70-130		
Ethylbenzene	42.0		1.00	µg/L	40.0		105	70-130		
Hexachloro-1,3-Butadiene	37.7		1.00	µg/L	40.0		94.2	70-130		
Methylene Chloride	38.8		5.00	µg/L	40.0		97.0	70-130		
Methyl-t-Butyl Ether (MTBE)	37.3		1.00	µg/L	40.0		93.2	70-130		
Styrene	42.5		1.00	µg/L	40.0		106	70-130		
tert-Butylbenzene	41.0		1.00	µg/L	40.0		103	70-130		
Tetrachloroethene	35.9		1.00	µg/L	40.0		89.8	70-130		
Toluene	38.7		1.00	µg/L	40.0		96.8	70-130		
1,2,3-Trichlorobenzene	38.2		1.00	µg/L	40.0		95.6	70-130		
Trichloroethene	38.2		1.00	µg/L	40.0		95.4	70-130		
1,3,5-Trimethylbenzene	42.3		1.00	µg/L	40.0		106	70-130		
Vinyl Chloride	36.5		1.00	µg/L	40.0		91.3	70-130		
Surrogate: Dibromofluoromethane	46.2			µg/L	50.0		92.3	60-140		
Surrogate: 4-Bromofluorobenzene	49.6			µg/L	50.0		99.2	60-140		
Surrogate: 1,2-Dichloroethane-d4	49.9			µg/L	50.0		99.8	60-140		
Surrogate: Toluene-d8	46.7			µg/L	50.0		93.4	60-140		

Leymaster Environmental Consulting, LLC
 5500 E. Atherton Street, Suite 210
 Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
 Project Number: 417 W. 164th St.
 Project Manager: Charles Lindeman

Quality Control
 (Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8K0013 (Continued)										
LCS Dup (B8K0013-BSD1)										
Prepared & Analyzed: 11/12/2018										
Benzene	40.7		1.00	µg/L	40.0		102	70-130	2.19	20
Bromobenzene	41.0		1.00	µg/L	40.0		102	70-130	7.55	20
Bromodichloromethane	43.4		1.00	µg/L	40.0		109	70-130	3.59	20
Bromoform	43.6		1.00	µg/L	40.0		109	70-130	7.82	20
Chlorobenzene	42.0		1.00	µg/L	40.0		105	70-130	3.44	20
Chloroethane	35.9		5.00	µg/L	40.0		89.8	70-130	0.980	20
Chloroform	40.0		1.00	µg/L	40.0		100	70-130	0.0500	20
4-Chlorotoluene	46.8		1.00	µg/L	40.0		117	70-130	4.72	20
Dibromomethane	40.4		1.00	µg/L	40.0		101	70-130	3.42	20
1,2-Dichlorobenzene	42.1		1.00	µg/L	40.0		105	70-130	4.46	20
1,1-Dichloroethene	39.3		1.00	µg/L	40.0		98.2	70-130	1.67	20
1,2-Dichloropropane	44.6		1.00	µg/L	40.0		112	70-130	2.70	20
2,2-Dichloropropane	38.5		1.00	µg/L	40.0		96.3	70-130	0.363	20
1,1-Dichloropropene	39.6		1.00	µg/L	40.0		98.9	70-130	0.914	20
Diethyl Ether	34.8		5.00	µg/L	40.0		87.1	70-130	1.43	20
Diisopropyl Ether (DIPE)	42.8		1.00	µg/L	40.0		107	70-130	1.13	20
Ethylbenzene	44.4		1.00	µg/L	40.0		111	70-130	5.49	20
Hexachloro-1,3-Butadiene	39.3		1.00	µg/L	40.0		98.2	70-130	4.24	20
Methylene Chloride	39.1		5.00	µg/L	40.0		97.7	70-130	0.745	20
Methyl-t-Butyl Ether (MTBE)	38.3		1.00	µg/L	40.0		95.7	70-130	2.59	20
Styrene	44.5		1.00	µg/L	40.0		111	70-130	4.50	20
tert-Butylbenzene	43.1		1.00	µg/L	40.0		108	70-130	4.83	20
Tetrachloroethene	37.6		1.00	µg/L	40.0		94.0	70-130	4.60	20
Toluene	39.8		1.00	µg/L	40.0		99.5	70-130	2.73	20
1,2,3-Trichlorobenzene	41.1		1.00	µg/L	40.0		103	70-130	7.28	20
Trichloroethene	39.0		1.00	µg/L	40.0		97.6	70-130	2.28	20
1,3,5-Trimethylbenzene	45.9		1.00	µg/L	40.0		115	70-130	8.17	20
Vinyl Chloride	36.4		1.00	µg/L	40.0		91.1	70-130	0.247	20
<hr/>										
Surrogate: Dibromofluoromethane	45.5			µg/L	50.0		90.9	60-140		
Surrogate: 4-Bromofluorobenzene	50.4			µg/L	50.0		101	60-140		
Surrogate: 1,2-Dichloroethane-d4	50.0			µg/L	50.0		100	60-140		
Surrogate: Toluene-d8	46.1			µg/L	50.0		92.2	60-140		

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Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: B8K0014

Blank (B8K0014-BLK1)

Prepared & Analyzed: 11/13/2018

Acetone	ND		20.0	µg/L						
Acetonitrile	ND		20.0	µg/L						
Acrylonitrile	ND		5.00	µg/L						
Allyl Chloride	ND		1.00	µg/L						
Benzene	ND		1.00	µg/L						
Bromobenzene	ND		1.00	µg/L						
Bromochloromethane	ND		1.00	µg/L						
Bromodichloromethane	ND		1.00	µg/L						
Bromoform	ND		1.00	µg/L						
Bromomethane	ND		5.00	µg/L						
2-Butanone (Methyl Ethyl Ketone - MEK)	ND		5.00	µg/L						
n-Butylbenzene	ND		1.00	µg/L						
Carbon Disulfide	ND		1.00	µg/L						
Carbon Tetrachloride	ND		1.00	µg/L						
Chlorobenzene	ND		1.00	µg/L						
Chloroethane	ND		5.00	µg/L						
Chloroform	ND		1.00	µg/L						
Chloromethane	ND		5.00	µg/L						
Chloroprene	ND		1.00	µg/L						
2-Chlorotoluene	ND		1.00	µg/L						
4-Chlorotoluene	ND		1.00	µg/L						
1,2-Dibromo-3-Chloropropane	ND		5.00	µg/L						
Dibromochloromethane	ND		1.00	µg/L						
1,2-Dibromoethane (EDB)	ND		1.00	µg/L						
Dibromomethane	ND		1.00	µg/L						
cis-1,4-dichloro-2-butene	ND		1.00	µg/L						
t-1,4-Dichloro-2-Butene	ND		1.00	µg/L						
1,2-Dichlorobenzene	ND		1.00	µg/L						
1,3-Dichlorobenzene	ND		1.00	µg/L						
1,4-Dichlorobenzene	ND		1.00	µg/L						
Dichlorodifluoromethane (Freon 12)	ND		1.00	µg/L						
1,1-Dichloroethane	ND		1.00	µg/L						
1,2-Dichloroethane	ND		1.00	µg/L						
1,1-Dichloroethene	ND		1.00	µg/L						
c-1,2-Dichloroethene	ND		1.00	µg/L						
c-1,3-Dichloropropene	ND		1.00	µg/L						
t-1,2-Dichloroethene	ND		1.00	µg/L						
1,2-Dichloropropane	ND		1.00	µg/L						
1,3-Dichloropropane	ND		1.00	µg/L						
2,2-Dichloropropane	ND		1.00	µg/L						
1,1-Dichloropropene	ND		1.00	µg/L						
t-1,3-Dichloropropene	ND		1.00	µg/L						
Diethyl Ether	ND		5.00	µg/L						
Diisopropyl Ether (DIPE)	ND		1.00	µg/L						
Ethylbenzene	ND		1.00	µg/L						

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: B8K0014 (Continued)

Blank (B8K0014-BLK1)

Prepared & Analyzed: 11/13/2018

Ethyl Methacrylate	ND		5.00	µg/L						
Ethyl-tert-butyl-ether (ETBE)	ND		1.00	µg/L						
Hexachloro-1,3-Butadiene	ND		1.00	µg/L						
2-Hexanone	ND		5.00	µg/L						
Isopropylbenzene	ND		1.00	µg/L						
p-Isopropyltoluene	ND		1.00	µg/L						
Methacrylonitrile	ND		1.00	µg/L						
Methylene Chloride	ND		5.00	µg/L						
Methyl Methacrylate	ND		1.00	µg/L						
4-Methyl-2-Pentanone	ND		20.0	µg/L						
Methyl-t-Butyl Ether (MTBE)	ND		1.00	µg/L						
Naphthalene	ND		5.00	µg/L						
Propionitrile	ND		5.00	µg/L						
n-Propylbenzene	ND		1.00	µg/L						
sec-Butylbenzene	ND		1.00	µg/L						
Styrene	ND		1.00	µg/L						
Tert-amyl-Methyl Ether (TAME)	ND		1.00	µg/L						
Tert-Butyl Alcohol (TBA)	ND		25.0	µg/L						
tert-Butylbenzene	ND		1.00	µg/L						
1,1,1,2-Tetrachloroethane	ND		1.00	µg/L						
1,1,2,2-Tetrachloroethane	ND		1.00	µg/L						
Tetrachloroethene	ND		1.00	µg/L						
Tetrahydrofuran	ND		20.0	µg/L						
Toluene	ND		1.00	µg/L						
1,2,3-Trichlorobenzene	ND		1.00	µg/L						
1,2,4-Trichlorobenzene	ND		1.00	µg/L						
1,1,1-Trichloroethane	ND		1.00	µg/L						
1,1,2-Trichloroethane	ND		1.00	µg/L						
Trichloroethene	ND		1.00	µg/L						
Trichlorofluoromethane	ND		1.00	µg/L						
1,2,3-Trichloropropane	ND		1.00	µg/L						
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1.00	µg/L						
1,3,5-Trimethylbenzene	ND		1.00	µg/L						
1,2,4-Trimethylbenzene	ND		1.00	µg/L						
Vinyl Chloride	ND		1.00	µg/L						
o-Xylene	ND		1.00	µg/L						
p/m-Xylene	ND		2.00	µg/L						
Total Xylenes	ND		3.00	µg/L						
Total Trihalomethanes (TTHM)	ND		1.00	µg/L						
Surrogate: Dibromofluoromethane	49.5			µg/L	50.0		98.9	60-140		
Surrogate: 4-Bromofluorobenzene	50.0			µg/L	50.0		99.9	60-140		
Surrogate: 1,2-Dichloroethane-d4	49.2			µg/L	50.0		98.5	60-140		
Surrogate: Toluene-d8	49.7			µg/L	50.0		99.5	60-140		

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Project: ANCO 417 W. 164th St.
 Project Number: 417 W. 164th St.
 Project Manager: Charles Lindeman

Quality Control
 (Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8K0014 (Continued)										
LCS (B8K0014-BS1)										
Prepared & Analyzed: 11/13/2018										
Benzene	41.1		1.00	µg/L	40.0		103	70-130		
Bromobenzene	42.2		1.00	µg/L	40.0		106	70-130		
Bromodichloromethane	41.4		1.00	µg/L	40.0		104	70-130		
Bromoform	40.6		1.00	µg/L	40.0		101	70-130		
Chlorobenzene	41.0		1.00	µg/L	40.0		102	70-130		
Chloroethane	42.4		5.00	µg/L	40.0		106	70-130		
Chloroform	40.5		1.00	µg/L	40.0		101	70-130		
4-Chlorotoluene	41.4		1.00	µg/L	40.0		103	70-130		
Dibromomethane	41.9		1.00	µg/L	40.0		105	70-130		
1,2-Dichlorobenzene	40.9		1.00	µg/L	40.0		102	70-130		
1,1-Dichloroethene	42.2		1.00	µg/L	40.0		105	70-130		
1,2-Dichloropropane	41.4		1.00	µg/L	40.0		104	70-130		
2,2-Dichloropropane	45.8		1.00	µg/L	40.0		114	70-130		
1,1-Dichloropropene	41.4		1.00	µg/L	40.0		103	70-130		
Diethyl Ether	40.9		5.00	µg/L	40.0		102	70-130		
Diisopropyl Ether (DIPE)	40.8		1.00	µg/L	40.0		102	70-130		
Ethylbenzene	40.9		1.00	µg/L	40.0		102	70-130		
Hexachloro-1,3-Butadiene	42.3		1.00	µg/L	40.0		106	70-130		
Methylene Chloride	41.4		5.00	µg/L	40.0		103	70-130		
Methyl-t-Butyl Ether (MTBE)	41.8		1.00	µg/L	40.0		104	70-130		
Styrene	41.6		1.00	µg/L	40.0		104	70-130		
tert-Butylbenzene	40.3		1.00	µg/L	40.0		101	70-130		
Tetrachloroethene	41.0		1.00	µg/L	40.0		102	70-130		
Toluene	41.9		1.00	µg/L	40.0		105	70-130		
1,2,3-Trichlorobenzene	41.6		1.00	µg/L	40.0		104	70-130		
Trichloroethene	40.6		1.00	µg/L	40.0		102	70-130		
1,3,5-Trimethylbenzene	42.4		1.00	µg/L	40.0		106	70-130		
Vinyl Chloride	46.0		1.00	µg/L	40.0		115	70-130		
Surrogate: Dibromofluoromethane	51.0			µg/L	50.0		102	60-140		
Surrogate: 4-Bromofluorobenzene	50.2			µg/L	50.0		100	60-140		
Surrogate: 1,2-Dichloroethane-d4	50.1			µg/L	50.0		100	60-140		
Surrogate: Toluene-d8	50.6			µg/L	50.0		101	60-140		

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
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Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8K0014 (Continued)										
LCS Dup (B8K0014-BSD1)										
Prepared & Analyzed: 11/13/2018										
Benzene	40.1		1.00	µg/L	40.0		100	70-130	2.34	20
Bromobenzene	40.9		1.00	µg/L	40.0		102	70-130	3.25	20
Bromodichloromethane	40.4		1.00	µg/L	40.0		101	70-130	2.59	20
Bromoform	40.3		1.00	µg/L	40.0		101	70-130	0.643	20
Chlorobenzene	40.6		1.00	µg/L	40.0		102	70-130	0.834	20
Chloroethane	41.5		5.00	µg/L	40.0		104	70-130	2.03	20
Chloroform	39.1		1.00	µg/L	40.0		97.7	70-130	3.59	20
4-Chlorotoluene	41.2		1.00	µg/L	40.0		103	70-130	0.388	20
Dibromomethane	40.1		1.00	µg/L	40.0		100	70-130	4.29	20
1,2-Dichlorobenzene	40.2		1.00	µg/L	40.0		101	70-130	1.60	20
1,1-Dichloroethene	40.8		1.00	µg/L	40.0		102	70-130	3.45	20
1,2-Dichloropropane	39.6		1.00	µg/L	40.0		99.1	70-130	4.44	20
2,2-Dichloropropane	43.2		1.00	µg/L	40.0		108	70-130	5.85	20
1,1-Dichloropropene	40.2		1.00	µg/L	40.0		100	70-130	2.99	20
Diethyl Ether	39.0		5.00	µg/L	40.0		97.4	70-130	4.96	20
Diisopropyl Ether (DIPE)	38.5		1.00	µg/L	40.0		96.2	70-130	5.76	20
Ethylbenzene	40.5		1.00	µg/L	40.0		101	70-130	1.08	20
Hexachloro-1,3-Butadiene	40.7		1.00	µg/L	40.0		102	70-130	3.73	20
Methylene Chloride	39.9		5.00	µg/L	40.0		99.8	70-130	3.62	20
Methyl-t-Butyl Ether (MTBE)	39.0		1.00	µg/L	40.0		97.4	70-130	6.96	20
Styrene	41.6		1.00	µg/L	40.0		104	70-130	0.120	20
tert-Butylbenzene	39.9		1.00	µg/L	40.0		99.7	70-130	0.923	20
Tetrachloroethene	41.3		1.00	µg/L	40.0		103	70-130	0.681	20
Toluene	40.4		1.00	µg/L	40.0		101	70-130	3.52	20
1,2,3-Trichlorobenzene	40.5		1.00	µg/L	40.0		101	70-130	2.71	20
Trichloroethene	38.7		1.00	µg/L	40.0		96.8	70-130	4.81	20
1,3,5-Trimethylbenzene	42.8		1.00	µg/L	40.0		107	70-130	0.985	20
Vinyl Chloride	43.2		1.00	µg/L	40.0		108	70-130	6.21	20
Surrogate: Dibromofluoromethane	49.2			µg/L	50.0		98.3	60-140		
Surrogate: 4-Bromofluorobenzene	50.6			µg/L	50.0		101	60-140		
Surrogate: 1,2-Dichloroethane-d4	48.3			µg/L	50.0		96.7	60-140		
Surrogate: Toluene-d8	49.3			µg/L	50.0		98.6	60-140		

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St.
Project Manager: Charles Lindeman

Notes and Definitions

Item	Definition
Dry	Sample results reported on a dry weight basis.
ND	Analyte NOT DETECTED at or above the reporting limit.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.
(R)	Re-run for dilution or confirmation.

2702 East Willow Street, Signal Hill, CA 90755
310-809-1041

PAL WO#: P811008

REQUESTED ANALYSIS

Client Name	Address	Project Manager	Email	Phone	Project Name/Number	P.O. Number	Sampled By	Client Sample ID / Description	Sample Date	Sample Time	Sample Matrix*	Container**	Quantity/ Type/ Preservation	Requested Analysis
Baywaste Env Con	5390 E. Atwater St #200 Long Beach CA 90815	Charles Lindeman	CharlesLindeman@net	562-799-9868	Area 41700, 164th St Carson, CA		Charles Lindeman	GE1	11/11/18	812	GW	3 ea	40 mL VOA w/HTC	82603 Vocs
								GE3		810		3 ea		
								GE4		808		3 ea		
								GE5		806		3 ea		
								GE6		740		3 ea		
								GE7		742		3 ea		
								GE8		744		3 ea	40 mL VOA w/HTC	
								GE9						
								GE10						

TAT Needed (circle one)

5 day **STD** 24 **RUSH** 48 72

EDD Required - Circle one: Yes No

Type of Ice used: Wet Blue None

Sample Preservative: Yes No

Receipt Temp/ Initials: 9.9°C W

Temp recorded (is not corrected)

RELINQUISHED BY

Signature: Charles Lindeman
Print: Charles Lindeman
Company: BAE

DATE: 11/12/18
TIME: 946

RECEIVED BY

Signature: W. Vasquez
Print: W. Vasquez
Company: P&E

DATE: 11/12/18
TIME: 940

RECEIVED BY

Signature: _____
Print: _____
Company: _____

DATE: _____
TIME: _____

*Matrix Codes: (S = Soils); (P = Product); (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater); (W = Other Water); (O = Other)

**Container Code: (V = VOA); (P = Poly); (G = Glass); (L = Sleeve); (J = Jar)

**Preservation Code: (H = HCl); (N = HNO3); (S = H2SO4); (O = NaOH); (Z = Zinc Acetate)

2702 East Willow Street, Signal Hill, CA 90755
310-809-1041

PAL WO#: P811008

REQUESTED ANALYSIS

Client Name: *Leguistin Env Con*
 Address: *5300 E. Atterbury St #210 Long Beach, CA 90815*
 Project Manager: *Charles Lindeman*
 Email: *Charles.Lindeman@leguistin.net*
 Phone: *562-799-9886*
 Project Name/Number: *AB80 41710, 164th Longon CA*
 P.O. Number: _____
 Sampled By: *Charles Lindeman*

Client Sample ID / Description	Sample Date	Sample Time	Sample Matrix*	Container**	
				Quantity/ Type/ Preservation	Preservation
1 <i>GE9</i>	<i>11/12/18</i>	<i>746</i>	<i>GD</i>	<i>300</i>	<i>40 ml VOA w/ H2O</i>
2 <i>GE10</i>	<i>↓</i>	<i>748</i>	<i>↓</i>	<i>300</i>	<i>" "</i>
3 <i>GE11</i>	<i>↓</i>	<i>750</i>	<i>↓</i>	<i>300</i>	<i>" "</i>
4 <i>GE12</i>	<i>11/12/18</i>	<i>752</i>	<i>GD</i>	<i>300</i>	<i>" "</i>
5					
6					
7					
8					
9					
10					

PAL Containers used: Yes No
 Type of Ice used: Wet Blue None
 Sample Preservative: Yes No

TAT Needed (circle one) **STD** 5-day 24 **RUSH** 48 72
 EDD Required - Circle one: Yes No
 Type of EDD: _____
 Receipt Temp./ Initials: *99°C ww*
 (Temp recorded is not corrected)

Signature: *Charles Lindeman* DATE: *11/12/18*
 Print: *Charles Lindeman* TIME: *940*
 Company: *PAI*
 Signature: _____ DATE: _____
 Print: _____ TIME: _____
 Company: _____
 Signature: _____ DATE: _____
 Print: _____ TIME: _____
 Company: _____

*Matrix Codes: (S = Solids); (P = Product); (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater); (W = Other Water); (O = Other)
 **Container Code: (V = VOA); (P = Poly); (G = Glass); (L = Sleeve); (J = Jar)
 **Preservation Code: (H = HCl); (N = HNO3); (S = H2SO4); (O = NaOH); (Z = Zinc Acetate)

SAMPLE RECEIPT FORM

WORK ORDER ID

Client Leymaster
 Courier CLIENT PALI OTHER _____
 FEDEX UPS Tracking # _____

Cooler 1 OF 1
 Date Received: 11/12/18

TEMPERATURE: Criteria 0.0°C - 6.0°C

Cooler ID	Temperature Reading	Temperature w/o CF (°C)	Correction Factor (CF) (°C)	Temperature with CF (°C)	Thermometer ID
	<input type="radio"/> Blank <input checked="" type="radio"/> Sample	9.9	0.0	9.9	TM-12

WET ICE BLUE ICE AMBIENT OTHER _____

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

CUSTODY SEALS

Cooler Seal Present and Intact Present and **NOT** Intact Seals signed and dated Not Present
 Sample Seal Present and Intact Present and **NOT** Intact Seals signed and dated Not Present

CLIENT COC

INCLUDED NOT INCLUDED Complete Incomplete, See Notes/Discrepancy Form

SAMPLE MATRIX

SOLID LIQUID AIR OTHER _____

SAMPLE CONDITION

	YES	NO	N/A
All sample containers received intact and in good condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All samples listed on COC(s) are present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All sample info on containers are consistent with sample info on COC(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Correct containers for analyses requested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sufficient volume for analyses requested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper preservation chemical(s) noted on COC and/or sample container	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All samples received within method holding time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Volatile analysis containers free of headspace larger than 6mm	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NOTES

Initials

Date

Initials

Date

ATTACHMENT VII

**Laboratory Report of Analytical Results
and Chain-of-Custody Records**

Groundwater Influent and Effluent

Second Half 2018

August 07, 2018

Charles F. Lindeman
Leymaster Environmental Consulting, LLC
5500 East Atherton Street, Suite 210
Long Beach, CA 90815

TEL: (562) 799-9866

FAX: (562) 799-1963

Workorder No.: N031471

RE: ANCO 417 W. 164th St Carson, CA

Attention: Charles F. Lindeman

Enclosed are the results for sample(s) received on July 31, 2018 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (702) 307-2659 or Molky Brar at (562)-881-3622 if we can be of further assistance to your company.

Sincerely,



Molky Brar
Project Manager



Quennie Manimtim
Laboratory Director



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3151 W. Post Rd., Las Vegas, NV 89118
ELAP Cert 2676 | NV Cert NV00922
ORELAP/NELAP Cert 4046

CLIENT: Leymaster Environmental Consulting, LLC
Project: ANCO 417 W. 164th St Carson, CA
Lab Order: N031471

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.



CLIENT: Leymaster Environmental Consulting, LLC
Project: ANCO 417 W. 164th St Carson, CA
Lab Order: N031471
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N031471-001A	Influent	Groundwater	7/31/2018 8:20:00 AM	7/31/2018	8/7/2018
N031471-002A	Effluent	Groundwater	7/31/2018 8:25:00 AM	7/31/2018	8/7/2018



ASSET Laboratories

ANALYTICAL RESULTS

Print Date: 07-Aug-18

CLIENT:	Leymaster Environmental Consulting, LLC	Client Sample ID:	Influent
Lab Order:	N031471	Collection Date:	7/31/2018 8:20:00 AM
Project:	ANCO 417 W. 164th St Carson, CA	Matrix:	GROUNDWATER
Lab ID:	N031471-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS8_180803A	QC Batch: R18VW059	PrepDate:	Analyst: QBM
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L 1 8/3/2018 09:30 PM
1,1,1-Trichloroethane	ND	0.50	µg/L 1 8/3/2018 09:30 PM
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L 1 8/3/2018 09:30 PM
1,1,2-Trichloroethane	ND	0.50	µg/L 1 8/3/2018 09:30 PM
1,1-Dichloroethane	1.3	0.50	µg/L 1 8/3/2018 09:30 PM
1,1-Dichloroethene	5.8	0.50	µg/L 1 8/3/2018 09:30 PM
1,1-Dichloropropene	ND	0.50	µg/L 1 8/3/2018 09:30 PM
1,2,3-Trichlorobenzene	ND	0.50	µg/L 1 8/3/2018 09:30 PM
1,2,3-Trichloropropane	ND	0.50	µg/L 1 8/3/2018 09:30 PM
1,2,4-Trichlorobenzene	ND	0.50	µg/L 1 8/3/2018 09:30 PM
1,2,4-Trimethylbenzene	ND	0.50	µg/L 1 8/3/2018 09:30 PM
1,2-Dibromo-3-chloropropane	ND	1.0	µg/L 1 8/3/2018 09:30 PM
1,2-Dibromoethane	ND	0.50	µg/L 1 8/3/2018 09:30 PM
1,2-Dichlorobenzene	ND	0.50	µg/L 1 8/3/2018 09:30 PM
1,2-Dichloroethane	ND	0.50	µg/L 1 8/3/2018 09:30 PM
1,2-Dichloropropane	ND	0.50	µg/L 1 8/3/2018 09:30 PM
1,3,5-Trimethylbenzene	ND	0.50	µg/L 1 8/3/2018 09:30 PM
1,3-Dichlorobenzene	ND	0.50	µg/L 1 8/3/2018 09:30 PM
1,3-Dichloropropane	ND	0.50	µg/L 1 8/3/2018 09:30 PM
1,4-Dichlorobenzene	ND	0.50	µg/L 1 8/3/2018 09:30 PM
2,2-Dichloropropane	ND	0.50	µg/L 1 8/3/2018 09:30 PM
2-Butanone	ND	5.0	µg/L 1 8/3/2018 09:30 PM
2-Chlorotoluene	ND	0.50	µg/L 1 8/3/2018 09:30 PM
4-Chlorotoluene	ND	0.50	µg/L 1 8/3/2018 09:30 PM
4-Isopropyltoluene	ND	0.50	µg/L 1 8/3/2018 09:30 PM
Benzene	ND	0.50	µg/L 1 8/3/2018 09:30 PM
Bromobenzene	ND	0.50	µg/L 1 8/3/2018 09:30 PM
Bromodichloromethane	ND	0.50	µg/L 1 8/3/2018 09:30 PM
Bromoform	ND	0.50	µg/L 1 8/3/2018 09:30 PM
Bromomethane	ND	1.0	µg/L 1 8/3/2018 09:30 PM
Carbon tetrachloride	ND	0.50	µg/L 1 8/3/2018 09:30 PM
Chlorobenzene	ND	0.50	µg/L 1 8/3/2018 09:30 PM
Chloroethane	ND	1.0	µg/L 1 8/3/2018 09:30 PM
Chloroform	ND	0.50	µg/L 1 8/3/2018 09:30 PM
Chloromethane	ND	0.50	µg/L 1 8/3/2018 09:30 PM
cis-1,2-Dichloroethene	4.5	0.50	µg/L 1 8/3/2018 09:30 PM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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ANALYTICAL RESULTS

Print Date: 07-Aug-18

CLIENT:	Leymaster Environmental Consulting, LLC	Client Sample ID:	Influent
Lab Order:	N031471	Collection Date:	7/31/2018 8:20:00 AM
Project:	ANCO 417 W. 164th St Carson, CA	Matrix:	GROUNDWATER
Lab ID:	N031471-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS8_180803A	QC Batch: R18VW059	PrepDate:	Analyst: QBM
cis-1,3-Dichloropropene	ND	0.50	µg/L 1 8/3/2018 09:30 PM
Dibromochloromethane	ND	0.50	µg/L 1 8/3/2018 09:30 PM
Dibromomethane	ND	0.50	µg/L 1 8/3/2018 09:30 PM
Dichlorodifluoromethane	ND	0.50	µg/L 1 8/3/2018 09:30 PM
Ethylbenzene	ND	0.50	µg/L 1 8/3/2018 09:30 PM
Freon-113	1.0	0.50	µg/L 1 8/3/2018 09:30 PM
Hexachlorobutadiene	ND	0.50	µg/L 1 8/3/2018 09:30 PM
Isopropylbenzene	ND	0.50	µg/L 1 8/3/2018 09:30 PM
m,p-Xylene	ND	1.0	µg/L 1 8/3/2018 09:30 PM
Methylene chloride	ND	2.0	µg/L 1 8/3/2018 09:30 PM
MTBE	25	0.50	µg/L 1 8/3/2018 09:30 PM
n-Butylbenzene	ND	0.50	µg/L 1 8/3/2018 09:30 PM
n-Propylbenzene	ND	0.50	µg/L 1 8/3/2018 09:30 PM
Naphthalene	ND	0.50	µg/L 1 8/3/2018 09:30 PM
o-Xylene	ND	0.50	µg/L 1 8/3/2018 09:30 PM
sec-Butylbenzene	ND	0.50	µg/L 1 8/3/2018 09:30 PM
Styrene	ND	0.50	µg/L 1 8/3/2018 09:30 PM
tert-Butylbenzene	ND	0.50	µg/L 1 8/3/2018 09:30 PM
Tetrachloroethene	140	5.0	µg/L 10 8/3/2018 08:13 PM
Toluene	ND	0.50	µg/L 1 8/3/2018 09:30 PM
trans-1,2-Dichloroethene	ND	0.50	µg/L 1 8/3/2018 09:30 PM
Trichloroethene	27	0.50	µg/L 1 8/3/2018 09:30 PM
Trichlorofluoromethane	1.3	0.50	µg/L 1 8/3/2018 09:30 PM
Vinyl chloride	ND	0.50	µg/L 1 8/3/2018 09:30 PM
Surr: 1,2-Dichloroethane-d4	98.0	73-127	%REC 10 8/3/2018 08:13 PM
Surr: 1,2-Dichloroethane-d4	95.6	73-127	%REC 1 8/3/2018 09:30 PM
Surr: 4-Bromofluorobenzene	98.0	80-120	%REC 1 8/3/2018 09:30 PM
Surr: 4-Bromofluorobenzene	98.0	80-120	%REC 10 8/3/2018 08:13 PM
Surr: Dibromofluoromethane	101	80-121	%REC 1 8/3/2018 09:30 PM
Surr: Dibromofluoromethane	99.4	80-121	%REC 10 8/3/2018 08:13 PM
Surr: Toluene-d8	96.4	80-120	%REC 1 8/3/2018 09:30 PM
Surr: Toluene-d8	96.2	80-120	%REC 10 8/3/2018 08:13 PM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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ANALYTICAL RESULTS

Print Date: 07-Aug-18

CLIENT:	Leymaster Environmental Consulting, LLC	Client Sample ID:	Effluent
Lab Order:	N031471	Collection Date:	7/31/2018 8:25:00 AM
Project:	ANCO 417 W. 164th St Carson, CA	Matrix:	GROUNDWATER
Lab ID:	N031471-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS8_180803A	QC Batch:	R18VW059	PrepDate:	Analyst:	QBM
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1	8/3/2018 09:05 PM	
1,1,1-Trichloroethane	ND	0.50	µg/L	1	8/3/2018 09:05 PM	
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1	8/3/2018 09:05 PM	
1,1,2-Trichloroethane	ND	0.50	µg/L	1	8/3/2018 09:05 PM	
1,1-Dichloroethane	1.7	0.50	µg/L	1	8/3/2018 09:05 PM	
1,1-Dichloroethene	12	0.50	µg/L	1	8/3/2018 09:05 PM	
1,1-Dichloropropene	ND	0.50	µg/L	1	8/3/2018 09:05 PM	
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1	8/3/2018 09:05 PM	
1,2,3-Trichloropropane	ND	0.50	µg/L	1	8/3/2018 09:05 PM	
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1	8/3/2018 09:05 PM	
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1	8/3/2018 09:05 PM	
1,2-Dibromo-3-chloropropane	ND	1.0	µg/L	1	8/3/2018 09:05 PM	
1,2-Dibromoethane	ND	0.50	µg/L	1	8/3/2018 09:05 PM	
1,2-Dichlorobenzene	ND	0.50	µg/L	1	8/3/2018 09:05 PM	
1,2-Dichloroethane	0.54	0.50	µg/L	1	8/3/2018 09:05 PM	
1,2-Dichloropropane	ND	0.50	µg/L	1	8/3/2018 09:05 PM	
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1	8/3/2018 09:05 PM	
1,3-Dichlorobenzene	ND	0.50	µg/L	1	8/3/2018 09:05 PM	
1,3-Dichloropropane	ND	0.50	µg/L	1	8/3/2018 09:05 PM	
1,4-Dichlorobenzene	ND	0.50	µg/L	1	8/3/2018 09:05 PM	
2,2-Dichloropropane	ND	0.50	µg/L	1	8/3/2018 09:05 PM	
2-Butanone	ND	5.0	µg/L	1	8/3/2018 09:05 PM	
2-Chlorotoluene	ND	0.50	µg/L	1	8/3/2018 09:05 PM	
4-Chlorotoluene	ND	0.50	µg/L	1	8/3/2018 09:05 PM	
4-Isopropyltoluene	ND	0.50	µg/L	1	8/3/2018 09:05 PM	
Benzene	ND	0.50	µg/L	1	8/3/2018 09:05 PM	
Bromobenzene	ND	0.50	µg/L	1	8/3/2018 09:05 PM	
Bromodichloromethane	ND	0.50	µg/L	1	8/3/2018 09:05 PM	
Bromoform	ND	0.50	µg/L	1	8/3/2018 09:05 PM	
Bromomethane	ND	1.0	µg/L	1	8/3/2018 09:05 PM	
Carbon tetrachloride	ND	0.50	µg/L	1	8/3/2018 09:05 PM	
Chlorobenzene	ND	0.50	µg/L	1	8/3/2018 09:05 PM	
Chloroethane	ND	1.0	µg/L	1	8/3/2018 09:05 PM	
Chloroform	ND	0.50	µg/L	1	8/3/2018 09:05 PM	
Chloromethane	ND	0.50	µg/L	1	8/3/2018 09:05 PM	
cis-1,2-Dichloroethene	8.4	0.50	µg/L	1	8/3/2018 09:05 PM	

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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ANALYTICAL RESULTS

Print Date: 07-Aug-18

CLIENT:	Leymaster Environmental Consulting, LLC	Client Sample ID:	Effluent
Lab Order:	N031471	Collection Date:	7/31/2018 8:25:00 AM
Project:	ANCO 417 W. 164th St Carson, CA	Matrix:	GROUNDWATER
Lab ID:	N031471-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS8_180803A	QC Batch: R18VW059	PrepDate:	Analyst: QBM		
cis-1,3-Dichloropropene	ND	0.50	µg/L	1	8/3/2018 09:05 PM
Dibromochloromethane	ND	0.50	µg/L	1	8/3/2018 09:05 PM
Dibromomethane	ND	0.50	µg/L	1	8/3/2018 09:05 PM
Dichlorodifluoromethane	ND	0.50	µg/L	1	8/3/2018 09:05 PM
Ethylbenzene	ND	0.50	µg/L	1	8/3/2018 09:05 PM
Freon-113	1.6	0.50	µg/L	1	8/3/2018 09:05 PM
Hexachlorobutadiene	ND	0.50	µg/L	1	8/3/2018 09:05 PM
Isopropylbenzene	ND	0.50	µg/L	1	8/3/2018 09:05 PM
m,p-Xylene	ND	1.0	µg/L	1	8/3/2018 09:05 PM
Methylene chloride	ND	2.0	µg/L	1	8/3/2018 09:05 PM
MTBE	0.56	0.50	µg/L	1	8/3/2018 09:05 PM
n-Butylbenzene	ND	0.50	µg/L	1	8/3/2018 09:05 PM
n-Propylbenzene	ND	0.50	µg/L	1	8/3/2018 09:05 PM
Naphthalene	ND	0.50	µg/L	1	8/3/2018 09:05 PM
o-Xylene	ND	0.50	µg/L	1	8/3/2018 09:05 PM
sec-Butylbenzene	ND	0.50	µg/L	1	8/3/2018 09:05 PM
Styrene	ND	0.50	µg/L	1	8/3/2018 09:05 PM
tert-Butylbenzene	ND	0.50	µg/L	1	8/3/2018 09:05 PM
Tetrachloroethene	0.52	0.50	µg/L	1	8/3/2018 09:05 PM
Toluene	ND	0.50	µg/L	1	8/3/2018 09:05 PM
trans-1,2-Dichloroethene	ND	0.50	µg/L	1	8/3/2018 09:05 PM
Trichloroethene	4.5	0.50	µg/L	1	8/3/2018 09:05 PM
Trichlorofluoromethane	2.4	0.50	µg/L	1	8/3/2018 09:05 PM
Vinyl chloride	ND	0.50	µg/L	1	8/3/2018 09:05 PM
Surr: 1,2-Dichloroethane-d4	100	73-127	%REC	1	8/3/2018 09:05 PM
Surr: 4-Bromofluorobenzene	97.0	80-120	%REC	1	8/3/2018 09:05 PM
Surr: Dibromofluoromethane	101	80-121	%REC	1	8/3/2018 09:05 PM
Surr: Toluene-d8	97.3	80-120	%REC	1	8/3/2018 09:05 PM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N031471
Project: ANCO 417 W. 164th St Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: R180803LCS	SampType: LCS	TestCode: 8260WATERP	Units: µg/L	Prep Date:	RunNo: 126709						
Client ID: LCSW	Batch ID: R18VW059	TestNo: EPA 8260B	Analysis Date: 8/3/2018	SeqNo: 3099699							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	22.100	0.50	20.00	0	110	80	122				
1,1,1-Trichloroethane	21.060	0.50	20.00	0	105	80	125				
1,1,2,2-Tetrachloroethane	19.000	0.50	20.00	0	95.0	76	124				
1,1,2-Trichloroethane	18.710	0.50	20.00	0	93.6	80	120				
1,1-Dichloroethane	18.540	0.50	20.00	0	92.7	67	128				
1,1-Dichloroethene	21.150	0.50	20.00	0	106	66	131				
1,1-Dichloropropene	21.820	0.50	20.00	0	109	80	132				
1,2,3-Trichlorobenzene	21.580	0.50	20.00	0	108	76	122				
1,2,3-Trichloropropane	18.300	0.50	20.00	0	91.5	75	121				
1,2,4-Trichlorobenzene	21.660	0.50	20.00	0	108	73	121				
1,2,4-Trimethylbenzene	22.380	0.50	20.00	0	112	80	125				
1,2-Dibromo-3-chloropropane	18.730	1.0	20.00	0	93.6	66	129				
1,2-Dibromoethane	20.110	0.50	20.00	0	101	80	120				
1,2-Dichlorobenzene	20.670	0.50	20.00	0	103	80	120				
1,2-Dichloroethane	19.280	0.50	20.00	0	96.4	80	120				
1,2-Dichloropropane	19.180	0.50	20.00	0	95.9	80	120				
1,3,5-Trimethylbenzene	22.550	0.50	20.00	0	113	80	128				
1,3-Dichlorobenzene	21.110	0.50	20.00	0	106	80	120				
1,3-Dichloropropane	19.510	0.50	20.00	0	97.6	80	120				
1,4-Dichlorobenzene	20.780	0.50	20.00	0	104	80	120				
2,2-Dichloropropane	23.640	0.50	20.00	0	118	69	136				
2-Butanone	200.080	5.0	200.0	0	100	10	171				
2-Chlorotoluene	21.210	0.50	20.00	0	106	80	120				
4-Chlorotoluene	21.000	0.50	20.00	0	105	80	122				
4-Isopropyltoluene	22.940	0.50	20.00	0	115	80	133				
Benzene	20.220	0.50	20.00	0	101	80	120				
Bromobenzene	20.810	0.50	20.00	0	104	80	120				
Bromodichloromethane	20.390	0.50	20.00	0	102	80	120				
Bromoform	22.500	0.50	20.00	0	112	67	130				

Qualifiers:

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- S Spike/Surrogate outside of limits due to matrix interference

Calculations are based on raw values



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ANALYTICAL SERVICES FOR THE ENVIRONMENTAL INDUSTRY

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"Serving Clients with Passion and Professionalism"

CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N031471
Project: ANCO 417 W. 164th St Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: R180803LCS	SampType: LCS	TestCode: 8260WATERP Units: µg/L				Prep Date:			RunNo: 126709		
Client ID: LCSW	Batch ID: R18VW059	TestNo: EPA 8260B				Analysis Date: 8/3/2018			SeqNo: 3099699		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	12.530	1.0	20.00	0	62.7	21	148				
Carbon tetrachloride	24.400	0.50	20.00	0	122	76	138				
Chlorobenzene	21.040	0.50	20.00	0	105	80	120				
Chloroethane	21.820	1.0	20.00	0	109	67	155				
Chloroform	19.300	0.50	20.00	0	96.5	79	120				
Chloromethane	16.270	0.50	20.00	0	81.4	33	145				
cis-1,2-Dichloroethene	18.600	0.50	20.00	0	93.0	80	120				
cis-1,3-Dichloropropene	20.620	0.50	20.00	0	103	80	121				
Dibromochloromethane	21.320	0.50	20.00	0	107	77	131				
Dibromomethane	19.200	0.50	20.00	0	96.0	80	120				
Dichlorodifluoromethane	21.300	0.50	20.00	0	106	40	169				
Ethylbenzene	21.420	0.50	20.00	0	107	80	121				
Freon-113	21.470	0.50	20.00	0	107	47	132				
Hexachlorobutadiene	22.390	0.50	20.00	0	112	80	132				
Isopropylbenzene	22.220	0.50	20.00	0	111	59	128				
m,p-Xylene	43.850	1.0	40.00	0	110	80	124				
Methylene chloride	19.610	2.0	20.00	0	98.0	68	126				
MTBE	18.660	0.50	20.00	0	93.3	65	120				
n-Butylbenzene	22.160	0.50	20.00	0	111	74	139				
n-Propylbenzene	22.230	0.50	20.00	0	111	80	129				
Naphthalene	17.680	0.50	20.00	0	88.4	67	123				
o-Xylene	21.060	0.50	20.00	0	105	80	123				
sec-Butylbenzene	22.340	0.50	20.00	0	112	80	133				
Styrene	21.330	0.50	20.00	0	107	80	122				
tert-Butylbenzene	22.580	0.50	20.00	0	113	80	130				
Tetrachloroethene	22.580	0.50	20.00	0	113	80	129				
Toluene	20.930	0.50	20.00	0	105	80	120				
trans-1,2-Dichloroethene	20.560	0.50	20.00	0	103	75	122				
Trichloroethene	21.120	0.50	20.00	0	106	80	120				
Trichlorofluoromethane	22.850	0.50	20.00	0	114	71	149				

Qualifiers:

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CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N031471
Project: ANCO 417 W. 164th St Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: R180803LCS	SampType: LCS	TestCode: 8260WATERP	Units: µg/L	Prep Date:	RunNo: 126709						
Client ID: LCSW	Batch ID: R18VW059	TestNo: EPA 8260B	Analysis Date: 8/3/2018	SeqNo: 3099699							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	19.080	0.50	20.00	0	95.4	53	146				
Surr: 1,2-Dichloroethane-d4	23.110		25.00		92.4	73	127				
Surr: 4-Bromofluorobenzene	25.290		25.00		101	80	120				
Surr: Dibromofluoromethane	24.090		25.00		96.4	80	121				
Surr: Toluene-d8	24.940		25.00		99.8	80	120				

Sample ID: R180803LCSD	SampType: LCSD	TestCode: 8260WATERP	Units: µg/L	Prep Date:	RunNo: 126709						
Client ID: LCSS02	Batch ID: R18VW059	TestNo: EPA 8260B	Analysis Date: 8/3/2018	SeqNo: 3099700							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	21.780	0.50	20.00	0	109	80	122	22.10	1.46	20	
1,1,1-Trichloroethane	20.040	0.50	20.00	0	100	80	125	21.06	4.96	20	
1,1,2,2-Tetrachloroethane	18.970	0.50	20.00	0	94.8	76	124	19.00	0.158	20	
1,1,2-Trichloroethane	18.560	0.50	20.00	0	92.8	80	120	18.71	0.805	20	
1,1-Dichloroethane	18.200	0.50	20.00	0	91.0	67	128	18.54	1.85	20	
1,1-Dichloroethene	20.670	0.50	20.00	0	103	66	131	21.15	2.30	20	
1,1-Dichloropropene	21.160	0.50	20.00	0	106	80	132	21.82	3.07	20	
1,2,3-Trichlorobenzene	21.790	0.50	20.00	0	109	76	122	21.58	0.968	20	
1,2,3-Trichloropropane	18.060	0.50	20.00	0	90.3	75	121	18.30	1.32	20	
1,2,4-Trichlorobenzene	21.540	0.50	20.00	0	108	73	121	21.66	0.556	20	
1,2,4-Trimethylbenzene	22.220	0.50	20.00	0	111	80	125	22.38	0.717	20	
1,2-Dibromo-3-chloropropane	18.970	1.0	20.00	0	94.8	66	129	18.73	1.27	20	
1,2-Dibromoethane	19.960	0.50	20.00	0	99.8	80	120	20.11	0.749	20	
1,2-Dichlorobenzene	21.030	0.50	20.00	0	105	80	120	20.67	1.73	20	
1,2-Dichloroethane	19.190	0.50	20.00	0	96.0	80	120	19.28	0.468	20	
1,2-Dichloropropane	18.630	0.50	20.00	0	93.2	80	120	19.18	2.91	20	
1,3,5-Trimethylbenzene	22.490	0.50	20.00	0	112	80	128	22.55	0.266	20	
1,3-Dichlorobenzene	21.000	0.50	20.00	0	105	80	120	21.11	0.522	20	
1,3-Dichloropropane	19.290	0.50	20.00	0	96.5	80	120	19.51	1.13	20	
1,4-Dichlorobenzene	21.020	0.50	20.00	0	105	80	120	20.78	1.15	20	

Qualifiers:

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Calculations are based on raw values



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"Serving Clients with Passion and Professionalism"

CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N031471
Project: ANCO 417 W. 164th St Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: R180803LCSD	SampType: LCSD	TestCode: 8260WATERP Units: µg/L				Prep Date:			RunNo: 126709		
Client ID: LCSS02	Batch ID: R18VW059	TestNo: EPA 8260B				Analysis Date: 8/3/2018			SeqNo: 3099700		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	22.540	0.50	20.00	0	113	69	136	23.64	4.76	20	
2-Butanone	189.420	5.0	200.0	0	94.7	10	171	200.1	5.47	20	
2-Chlorotoluene	21.040	0.50	20.00	0	105	80	120	21.21	0.805	20	
4-Chlorotoluene	20.750	0.50	20.00	0	104	80	122	21.00	1.20	20	
4-Isopropyltoluene	22.740	0.50	20.00	0	114	80	133	22.94	0.876	20	
Benzene	19.740	0.50	20.00	0	98.7	80	120	20.22	2.40	20	
Bromobenzene	20.970	0.50	20.00	0	105	80	120	20.81	0.766	20	
Bromodichloromethane	20.240	0.50	20.00	0	101	80	120	20.39	0.738	20	
Bromoform	21.820	0.50	20.00	0	109	67	130	22.50	3.07	20	
Bromomethane	13.800	1.0	20.00	0	69.0	21	148	12.53	9.65	20	
Carbon tetrachloride	23.570	0.50	20.00	0	118	76	138	24.40	3.46	20	
Chlorobenzene	20.450	0.50	20.00	0	102	80	120	21.04	2.84	20	
Chloroethane	20.920	1.0	20.00	0	105	67	155	21.82	4.21	20	
Chloroform	18.560	0.50	20.00	0	92.8	79	120	19.30	3.91	20	
Chloromethane	16.470	0.50	20.00	0	82.4	33	145	16.27	1.22	20	
cis-1,2-Dichloroethene	17.930	0.50	20.00	0	89.7	80	120	18.60	3.67	20	
cis-1,3-Dichloropropene	20.410	0.50	20.00	0	102	80	121	20.62	1.02	20	
Dibromochloromethane	21.410	0.50	20.00	0	107	77	131	21.32	0.421	20	
Dibromomethane	19.200	0.50	20.00	0	96.0	80	120	19.20	0	20	
Dichlorodifluoromethane	20.370	0.50	20.00	0	102	40	169	21.30	4.46	20	
Ethylbenzene	20.980	0.50	20.00	0	105	80	121	21.42	2.08	20	
Freon-113	20.930	0.50	20.00	0	105	47	132	21.47	2.55	20	
Hexachlorobutadiene	21.990	0.50	20.00	0	110	80	132	22.39	1.80	20	
Isopropylbenzene	22.130	0.50	20.00	0	111	59	128	22.22	0.406	20	
m,p-Xylene	43.060	1.0	40.00	0	108	80	124	43.85	1.82	20	
Methylene chloride	19.400	2.0	20.00	0	97.0	68	126	19.61	1.08	20	
MTBE	18.290	0.50	20.00	0	91.4	65	120	18.66	2.00	20	
n-Butylbenzene	22.010	0.50	20.00	0	110	74	139	22.16	0.679	20	
n-Propylbenzene	21.930	0.50	20.00	0	110	80	129	22.23	1.36	20	
Naphthalene	17.940	0.50	20.00	0	89.7	67	123	17.68	1.46	20	

Qualifiers:

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- S Spike/Surrogate outside of limits due to matrix interference

Calculations are based on raw values



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"Serving Clients with Passion and Professionalism"

CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N031471
Project: ANCO 417 W. 164th St Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: R180803LCSD		SampType: LCSD		TestCode: 8260WATERP Units: µg/L			Prep Date:			RunNo: 126709		
Client ID: LCSS02		Batch ID: R18VW059		TestNo: EPA 8260B			Analysis Date: 8/3/2018			SeqNo: 3099700		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
o-Xylene	20.930	0.50	20.00	0	105	80	123	21.06	0.619	20		
sec-Butylbenzene	22.370	0.50	20.00	0	112	80	133	22.34	0.134	20		
Styrene	21.050	0.50	20.00	0	105	80	122	21.33	1.32	20		
tert-Butylbenzene	22.730	0.50	20.00	0	114	80	130	22.58	0.662	20		
Tetrachloroethene	22.160	0.50	20.00	0	111	80	129	22.58	1.88	20		
Toluene	20.350	0.50	20.00	0	102	80	120	20.93	2.81	20		
trans-1,2-Dichloroethene	20.020	0.50	20.00	0	100	75	122	20.56	2.66	20		
Trichloroethene	20.770	0.50	20.00	0	104	80	120	21.12	1.67	20		
Trichlorofluoromethane	21.980	0.50	20.00	0	110	71	149	22.85	3.88	20		
Vinyl chloride	18.760	0.50	20.00	0	93.8	53	146	19.08	1.69	20		
Surr: 1,2-Dichloroethane-d4	22.200		25.00		88.8	73	127		0			
Surr: 4-Bromofluorobenzene	25.420		25.00		102	80	120		0			
Surr: Dibromofluoromethane	23.590		25.00		94.4	80	121		0			
Surr: Toluene-d8	24.740		25.00		99.0	80	120		0			

Sample ID: R180803MB3		SampType: MBLK		TestCode: 8260WATERP Units: µg/L			Prep Date:			RunNo: 126709		
Client ID: PBW		Batch ID: R18VW059		TestNo: EPA 8260B			Analysis Date: 8/3/2018			SeqNo: 3099703		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,1,1,2-Tetrachloroethane	ND	0.50										
1,1,1-Trichloroethane	ND	0.50										
1,1,2,2-Tetrachloroethane	ND	0.50										
1,1,2-Trichloroethane	ND	0.50										
1,1-Dichloroethane	ND	0.50										
1,1-Dichloroethene	ND	0.50										
1,1-Dichloropropene	ND	0.50										
1,2,3-Trichlorobenzene	ND	0.50										
1,2,3-Trichloropropane	ND	0.50										
1,2,4-Trichlorobenzene	ND	0.50										
1,2,4-Trimethylbenzene	ND	0.50										

Qualifiers:

- | | | |
|---|--|--|
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Calculations are based on raw values



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CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N031471
Project: ANCO 417 W. 164th St Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: R180803MB3	SampType: MBLK	TestCode: 8260WATERP Units: µg/L	Prep Date:	RunNo: 126709							
Client ID: PBW	Batch ID: R18VW059	TestNo: EPA 8260B	Analysis Date: 8/3/2018	SeqNo: 3099703							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2-Dibromo-3-chloropropane	ND	1.0									
1,2-Dibromoethane	ND	0.50									
1,2-Dichlorobenzene	ND	0.50									
1,2-Dichloroethane	ND	0.50									
1,2-Dichloropropane	ND	0.50									
1,3,5-Trimethylbenzene	ND	0.50									
1,3-Dichlorobenzene	ND	0.50									
1,3-Dichloropropane	ND	0.50									
1,4-Dichlorobenzene	ND	0.50									
2,2-Dichloropropane	ND	0.50									
2-Butanone	ND	5.0									
2-Chlorotoluene	ND	0.50									
4-Chlorotoluene	ND	0.50									
4-Isopropyltoluene	ND	0.50									
Benzene	ND	0.50									
Bromobenzene	ND	0.50									
Bromodichloromethane	ND	0.50									
Bromoform	ND	0.50									
Bromomethane	ND	1.0									
Carbon tetrachloride	ND	0.50									
Chlorobenzene	ND	0.50									
Chloroethane	ND	1.0									
Chloroform	ND	0.50									
Chloromethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
cis-1,3-Dichloropropene	ND	0.50									
Dibromochloromethane	ND	0.50									
Dibromomethane	ND	0.50									
Dichlorodifluoromethane	ND	0.50									
Ethylbenzene	ND	0.50									

Qualifiers:

- | | | |
|---|--|--|
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CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N031471
Project: ANCO 417 W. 164th St Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: R180803MB3	SampType: MBLK	TestCode: 8260WATERP Units: µg/L	Prep Date:	RunNo: 126709							
Client ID: PBW	Batch ID: R18VW059	TestNo: EPA 8260B	Analysis Date: 8/3/2018	SeqNo: 3099703							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Freon-113	ND	0.50									
Hexachlorobutadiene	ND	0.50									
Isopropylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
Methylene chloride	ND	2.0									
MTBE	ND	0.50									
n-Butylbenzene	ND	0.50									
n-Propylbenzene	ND	0.50									
Naphthalene	ND	0.50									
o-Xylene	ND	0.50									
sec-Butylbenzene	ND	0.50									
Styrene	ND	0.50									
tert-Butylbenzene	ND	0.50									
Tetrachloroethene	ND	0.50									
Toluene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Trichloroethene	ND	0.50									
Trichlorofluoromethane	ND	0.50									
Vinyl chloride	ND	0.50									
Surr: 1,2-Dichloroethane-d4	24.740		25.00		99.0	73	127				
Surr: 4-Bromofluorobenzene	24.380		25.00		97.5	80	120				
Surr: Dibromofluoromethane	24.820		25.00		99.3	80	121				
Surr: Toluene-d8	24.300		25.00		97.2	80	120				

Qualifiers:

- | | | |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |

Calculations are based on raw values



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CHAIN OF CUSTODY RECORD

N031471

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Page 1 of 1

Client: <u>Leymaster Env Con.</u>		Report to: <u>LEC</u>		Bill to: <u>LEC</u>		EDD Requirement		QA/QC		Sample Receipt Condition			
Address: <u>5500 E. Atherton St #210</u>		Company:		Address:		Excel EDD <input type="checkbox"/>		RTNE <input checked="" type="checkbox"/>		Y N			
Address: <u>Long Beach, CA 90815</u>		Email: <u>Charles@leymaster.net</u>		Address:		GeoTracker <input type="checkbox"/>		RWQCB <input type="checkbox"/>		1. Chilled <input type="checkbox"/>			
Phone: <u>562-799-9866</u>		Address:		Email to:		Labspec <input type="checkbox"/>		CalTrans <input type="checkbox"/>		2. Headspace <input type="checkbox"/>			
Submitted By: <u>Charles Lindeman</u>		Address:		PO#:		Others <input type="checkbox"/>		Level III <input type="checkbox"/>		3. Container intact <input type="checkbox"/>			
Title:		Phone:		Phone:		Specify:		LEVEL IV <input type="checkbox"/>		4. Seal Present <input type="checkbox"/>			
Signature: <u>Char J. Lindeman</u>		Date: <u>9/31/18</u>		Sampler's Signature and Date: <u>Char J. Lindeman</u>		Global ID:		Regulatory <input type="checkbox"/>		5. IR number			
Project Name: <u>ANCO 417 W. 164th St Carson, CA</u>		I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.		Sampler's Name: <u>Charles Lindeman</u>		Matrix		Analyses Requested		Specify State:			
Project Number:		Ground <input checked="" type="checkbox"/>		Sediment <input type="checkbox"/>		<u>8260 B V005</u>				PRESERVATION		6. Method of Cooling	
		Potable <input type="checkbox"/>		Soil <input type="checkbox"/>								Sample Temp:	
		NPDES <input type="checkbox"/>		Other Solid <input type="checkbox"/>								Courier:	
		Surface <input type="checkbox"/>										Tracking No.	

Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others	Remarks
1	N031471-01	<u>Tailwater</u>	<u>7/31/18</u>	<u>820</u>	<input checked="" type="checkbox"/>			<u>E3VH</u>
2								
3	-02	<u>Effluent</u>	<u>7/31/18</u>	<u>825</u>	<input checked="" type="checkbox"/>			<u>E3VH</u>
4								
5								
6								
7								
8								
9								
10								

Relinquished by (Signature and Printed Name): <u>Charles Lindeman</u>	Date / Time: <u>7/31/18 11:25</u>	Received by (Signature and Printed Name): <u>Marian Lopez</u>	Date / Time: <u>7/31/18 11:25 PM</u>	Turn Around Time (TAT) <input type="checkbox"/> A < 24 Hrs or Same Day TAT <input type="checkbox"/> B = Next Workday <input type="checkbox"/> C = 2 Workdays <input type="checkbox"/> D = 3 Workdays <input checked="" type="checkbox"/> E = Routine 5-7 Workdays TAT Starts at 8 AM the following day if samples received after 3:00 PM.	Special Instruction: <u>PQLS</u>
Relinquished by (Signature and Printed Name):	Date / Time:	Received by (Signature and Printed Name):	Date / Time:		
Relinquished by (Signature and Printed Name):	Date / Time:	Received by (Signature and Printed Name):	Date / Time:		

Terms

1. All samples will be disposed in 45 days upon receipt and records will be destroyed in 5 years upon submission of final report.
 2. Regular TAT is 5-7 business days, surcharges will apply for rush analysis
 Less than 24 Hrs = 200% Next Day = 100% 2 Workdays = 50% 3 Workdays = 35% 4 Workdays = 20%
 3. Custom EDD formats will be an additional 3% of the total project price.
 4. Add 10% surcharge for Level III Data Packages, 15% for Level IV Data Packages. Surcharge applied on total project price.

5. Trip Blanks and Equipment Blanks are billable sample.
 6. ASSET Laboratories is not responsible for samples collected using incorrect methodology.
 7. Terms are net 30 Days.
 8. All reports are submitted in electronic format. Please Inform ASSET Laboratories if hard copy of report is needed.
 9. For subcontract analysis, TAT and Surcharges will vary.

Preservatives:
 H = HCl N = HNO3 S = H2SO4 C = 4°C
 Z = Zn(AC)2 O = NaOH T = Na2S2O5

Container Type:
 T = Tube V = VOA P = Pint
 J = Jar B = Tedlar G = Glass
 M = Metal P = Plastic C = Can

White = Laboratory Copy

Yellow = Customer's Copy

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On: 7/31/18

Workorder: NO31471

Rep sample Temp (Deg C): 4.6 °C

IR Gun ID: IRCA 1

Temp Blank: Yes No

Carrier name: ASSET

Last 4 digits of Tracking No.: NA

Packing Material Used: NONE

Cooling process: Ice Ice Pack Dry Ice Other None

Sample Receipt Checklist

- | | | | |
|---|---|-----------------------------|---|
| 1. Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH < 2 for Metals | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 16. Were there Non-Conformance issues at login?
Was Client notified? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Comments:

Checklist Completed By: Hsb 7/31/18

Reviewed By: DM 08/07/18

ASSET Laboratories

WORK ORDER Summary

01-Aug-18

WorkOrder: N031471

Client ID: LEYEN01

Project: ANCO 417 W. 164th St Carson, CA

QC Level: RTNE

Date Received: 7/31/2018

Comments: PQLs

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N031471-001A	Influent	7/31/2018 8:20:00 AM	8/7/2018	Groundwater	EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N031471-002A	Effluent	7/31/2018 8:25:00 AM	8/7/2018		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N031471-003A	FOLDER	8/7/2018	8/7/2018		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			8/7/2018		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB

August 26, 2018

Charles F. Lindeman
Leymaster Environmental Consulting, LLC
5500 East Atherton Street, Suite 210
Long Beach, CA 90815
TEL: (562) 799-9866
FAX: (562) 799-1963

Workorder No.: N031719

RE: ANCO 417 W. 164th Carson, CA

Attention: Charles F. Lindeman

Enclosed are the results for sample(s) received on August 15, 2018 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (702) 307-2659 or Molky Brar at (562)-881-3622 if we can be of further assistance to your company.

Sincerely,



Molky Brar
Project Manager



Quennie Manimtim
Laboratory Director



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CLIENT: Leymaster Environmental Consulting, LLC
Project: ANCO 417 W. 164th Carson, CA
Lab Order: N031719

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.



CLIENT: Leymaster Environmental Consulting, LLC
Project: ANCO 417 W. 164th Carson, CA
Lab Order: N031719
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N031719-001A	Influent	Groundwater	8/15/2018 7:00:00 AM	8/15/2018	8/26/2018
N031719-002A	Effluent	Groundwater	8/15/2018 7:05:00 AM	8/15/2018	8/26/2018



ASSET Laboratories

ANALYTICAL RESULTS

Print Date: 26-Aug-18

CLIENT:	Leymaster Environmental Consulting, LLC	Client Sample ID:	Influent
Lab Order:	N031719	Collection Date:	8/15/2018 7:00:00 AM
Project:	ANCO 417 W. 164th Carson, CA	Matrix:	GROUNDWATER
Lab ID:	N031719-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	QC Batch:	CA18VW018	PrepDate:	Analyst:	GAC
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1	8/22/2018 05:44 PM
1,1,1-Trichloroethane	ND	0.50	µg/L	1	8/22/2018 05:44 PM
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1	8/22/2018 05:44 PM
1,1,2-Trichloroethane	ND	0.50	µg/L	1	8/22/2018 05:44 PM
1,1-Dichloroethane	1.2	0.50	µg/L	1	8/22/2018 05:44 PM
1,1-Dichloroethene	5.5	0.50	µg/L	1	8/22/2018 05:44 PM
1,1-Dichloropropene	ND	0.50	µg/L	1	8/22/2018 05:44 PM
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1	8/22/2018 05:44 PM
1,2,3-Trichloropropane	ND	0.50	µg/L	1	8/22/2018 05:44 PM
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1	8/22/2018 05:44 PM
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1	8/22/2018 05:44 PM
1,2-Dibromo-3-chloropropane	ND	1.0	µg/L	1	8/22/2018 05:44 PM
1,2-Dibromoethane	ND	0.50	µg/L	1	8/22/2018 05:44 PM
1,2-Dichlorobenzene	ND	0.50	µg/L	1	8/22/2018 05:44 PM
1,2-Dichloroethane	ND	0.50	µg/L	1	8/22/2018 05:44 PM
1,2-Dichloropropane	ND	0.50	µg/L	1	8/22/2018 05:44 PM
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1	8/22/2018 05:44 PM
1,3-Dichlorobenzene	ND	0.50	µg/L	1	8/22/2018 05:44 PM
1,3-Dichloropropane	ND	0.50	µg/L	1	8/22/2018 05:44 PM
1,4-Dichlorobenzene	ND	0.50	µg/L	1	8/22/2018 05:44 PM
2,2-Dichloropropane	ND	0.50	µg/L	1	8/22/2018 05:44 PM
2-Butanone	ND	5.0	µg/L	1	8/22/2018 05:44 PM
2-Chlorotoluene	ND	0.50	µg/L	1	8/22/2018 05:44 PM
4-Chlorotoluene	ND	0.50	µg/L	1	8/22/2018 05:44 PM
4-Isopropyltoluene	ND	0.50	µg/L	1	8/22/2018 05:44 PM
Benzene	ND	0.50	µg/L	1	8/22/2018 05:44 PM
Bromobenzene	ND	0.50	µg/L	1	8/22/2018 05:44 PM
Bromodichloromethane	ND	0.50	µg/L	1	8/22/2018 05:44 PM
Bromoform	ND	0.50	µg/L	1	8/22/2018 05:44 PM
Bromomethane	ND	1.0	µg/L	1	8/22/2018 05:44 PM
Carbon tetrachloride	ND	0.50	µg/L	1	8/22/2018 05:44 PM
Chlorobenzene	ND	0.50	µg/L	1	8/22/2018 05:44 PM
Chloroethane	ND	1.0	µg/L	1	8/22/2018 05:44 PM
Chloroform	0.53	0.50	µg/L	1	8/22/2018 05:44 PM
Chloromethane	ND	0.50	µg/L	1	8/22/2018 05:44 PM
cis-1,2-Dichloroethene	4.9	0.50	µg/L	1	8/22/2018 05:44 PM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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ANALYTICAL RESULTS

Print Date: 26-Aug-18

CLIENT:	Leymaster Environmental Consulting, LLC	Client Sample ID:	Influent
Lab Order:	N031719	Collection Date:	8/15/2018 7:00:00 AM
Project:	ANCO 417 W. 164th Carson, CA	Matrix:	GROUNDWATER
Lab ID:	N031719-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	QC Batch:	CA18VW018	PrepDate:	Analyst:	GAC
cis-1,3-Dichloropropene	ND	0.50	µg/L	1	8/22/2018 05:44 PM
Dibromochloromethane	ND	0.50	µg/L	1	8/22/2018 05:44 PM
Dibromomethane	ND	0.50	µg/L	1	8/22/2018 05:44 PM
Dichlorodifluoromethane	ND	0.50	µg/L	1	8/22/2018 05:44 PM
Ethylbenzene	ND	0.50	µg/L	1	8/22/2018 05:44 PM
Freon-113	0.71	0.50	µg/L	1	8/22/2018 05:44 PM
Hexachlorobutadiene	ND	0.50	µg/L	1	8/22/2018 05:44 PM
Isopropylbenzene	ND	0.50	µg/L	1	8/22/2018 05:44 PM
m,p-Xylene	ND	1.0	µg/L	1	8/22/2018 05:44 PM
Methylene chloride	ND	2.0	µg/L	1	8/22/2018 05:44 PM
MTBE	29	0.50	µg/L	1	8/22/2018 05:44 PM
n-Butylbenzene	ND	0.50	µg/L	1	8/22/2018 05:44 PM
n-Propylbenzene	ND	0.50	µg/L	1	8/22/2018 05:44 PM
Naphthalene	ND	0.50	µg/L	1	8/22/2018 05:44 PM
o-Xylene	ND	0.50	µg/L	1	8/22/2018 05:44 PM
sec-Butylbenzene	ND	0.50	µg/L	1	8/22/2018 05:44 PM
Styrene	ND	0.50	µg/L	1	8/22/2018 05:44 PM
tert-Butylbenzene	ND	0.50	µg/L	1	8/22/2018 05:44 PM
Tetrachloroethene	130	5.0	µg/L	10	8/22/2018 05:19 PM
Toluene	ND	0.50	µg/L	1	8/22/2018 05:44 PM
trans-1,2-Dichloroethene	ND	0.50	µg/L	1	8/22/2018 05:44 PM
Trichloroethene	25	0.50	µg/L	1	8/22/2018 05:44 PM
Trichlorofluoromethane	0.84	0.50	µg/L	1	8/22/2018 05:44 PM
Vinyl chloride	ND	0.50	µg/L	1	8/22/2018 05:44 PM
Surr: 1,2-Dichloroethane-d4	96.6	73-127	%REC	10	8/22/2018 05:19 PM
Surr: 1,2-Dichloroethane-d4	97.0	73-127	%REC	1	8/22/2018 05:44 PM
Surr: 4-Bromofluorobenzene	98.8	80-120	%REC	1	8/22/2018 05:44 PM
Surr: 4-Bromofluorobenzene	91.8	80-120	%REC	10	8/22/2018 05:19 PM
Surr: Dibromofluoromethane	93.2	80-121	%REC	1	8/22/2018 05:44 PM
Surr: Dibromofluoromethane	111	80-121	%REC	10	8/22/2018 05:19 PM
Surr: Toluene-d8	98.1	80-120	%REC	1	8/22/2018 05:44 PM
Surr: Toluene-d8	107	80-120	%REC	10	8/22/2018 05:19 PM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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ANALYTICAL RESULTS

Print Date: 26-Aug-18

CLIENT:	Leymaster Environmental Consulting, LLC	Client Sample ID:	Effluent
Lab Order:	N031719	Collection Date:	8/15/2018 7:05:00 AM
Project:	ANCO 417 W. 164th Carson, CA	Matrix:	GROUNDWATER
Lab ID:	N031719-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: CA01638-MS10_180822A	QC Batch: CA18VW018	PrepDate:	Analyst: GAC		
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1	8/22/2018 04:55 PM
1,1,1-Trichloroethane	ND	0.50	µg/L	1	8/22/2018 04:55 PM
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1	8/22/2018 04:55 PM
1,1,2-Trichloroethane	ND	0.50	µg/L	1	8/22/2018 04:55 PM
1,1-Dichloroethane	1.6	0.50	µg/L	1	8/22/2018 04:55 PM
1,1-Dichloroethene	8.2	0.50	µg/L	1	8/22/2018 04:55 PM
1,1-Dichloropropene	ND	0.50	µg/L	1	8/22/2018 04:55 PM
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1	8/22/2018 04:55 PM
1,2,3-Trichloropropane	ND	0.50	µg/L	1	8/22/2018 04:55 PM
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1	8/22/2018 04:55 PM
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1	8/22/2018 04:55 PM
1,2-Dibromo-3-chloropropane	ND	1.0	µg/L	1	8/22/2018 04:55 PM
1,2-Dibromoethane	ND	0.50	µg/L	1	8/22/2018 04:55 PM
1,2-Dichlorobenzene	ND	0.50	µg/L	1	8/22/2018 04:55 PM
1,2-Dichloroethane	ND	0.50	µg/L	1	8/22/2018 04:55 PM
1,2-Dichloropropane	ND	0.50	µg/L	1	8/22/2018 04:55 PM
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1	8/22/2018 04:55 PM
1,3-Dichlorobenzene	ND	0.50	µg/L	1	8/22/2018 04:55 PM
1,3-Dichloropropane	ND	0.50	µg/L	1	8/22/2018 04:55 PM
1,4-Dichlorobenzene	ND	0.50	µg/L	1	8/22/2018 04:55 PM
2,2-Dichloropropane	ND	0.50	µg/L	1	8/22/2018 04:55 PM
2-Butanone	ND	5.0	µg/L	1	8/22/2018 04:55 PM
2-Chlorotoluene	ND	0.50	µg/L	1	8/22/2018 04:55 PM
4-Chlorotoluene	ND	0.50	µg/L	1	8/22/2018 04:55 PM
4-Isopropyltoluene	ND	0.50	µg/L	1	8/22/2018 04:55 PM
Benzene	ND	0.50	µg/L	1	8/22/2018 04:55 PM
Bromobenzene	ND	0.50	µg/L	1	8/22/2018 04:55 PM
Bromodichloromethane	ND	0.50	µg/L	1	8/22/2018 04:55 PM
Bromoform	ND	0.50	µg/L	1	8/22/2018 04:55 PM
Bromomethane	ND	1.0	µg/L	1	8/22/2018 04:55 PM
Carbon tetrachloride	ND	0.50	µg/L	1	8/22/2018 04:55 PM
Chlorobenzene	ND	0.50	µg/L	1	8/22/2018 04:55 PM
Chloroethane	ND	1.0	µg/L	1	8/22/2018 04:55 PM
Chloroform	0.80	0.50	µg/L	1	8/22/2018 04:55 PM
Chloromethane	ND	0.50	µg/L	1	8/22/2018 04:55 PM
cis-1,2-Dichloroethene	7.5	0.50	µg/L	1	8/22/2018 04:55 PM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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ANALYTICAL RESULTS

Print Date: 26-Aug-18

CLIENT:	Leymaster Environmental Consulting, LLC	Client Sample ID:	Effluent
Lab Order:	N031719	Collection Date:	8/15/2018 7:05:00 AM
Project:	ANCO 417 W. 164th Carson, CA	Matrix:	GROUNDWATER
Lab ID:	N031719-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: CA01638-MS10_180822A	QC Batch:	CA18VW018	PrepDate:	Analyst: GAC	
cis-1,3-Dichloropropene	ND	0.50	µg/L	1	8/22/2018 04:55 PM
Dibromochloromethane	ND	0.50	µg/L	1	8/22/2018 04:55 PM
Dibromomethane	ND	0.50	µg/L	1	8/22/2018 04:55 PM
Dichlorodifluoromethane	ND	0.50	µg/L	1	8/22/2018 04:55 PM
Ethylbenzene	ND	0.50	µg/L	1	8/22/2018 04:55 PM
Freon-113	1.6	0.50	µg/L	1	8/22/2018 04:55 PM
Hexachlorobutadiene	ND	0.50	µg/L	1	8/22/2018 04:55 PM
Isopropylbenzene	ND	0.50	µg/L	1	8/22/2018 04:55 PM
m,p-Xylene	ND	1.0	µg/L	1	8/22/2018 04:55 PM
Methylene chloride	ND	2.0	µg/L	1	8/22/2018 04:55 PM
MTBE	ND	0.50	µg/L	1	8/22/2018 04:55 PM
n-Butylbenzene	ND	0.50	µg/L	1	8/22/2018 04:55 PM
n-Propylbenzene	ND	0.50	µg/L	1	8/22/2018 04:55 PM
Naphthalene	ND	0.50	µg/L	1	8/22/2018 04:55 PM
o-Xylene	ND	0.50	µg/L	1	8/22/2018 04:55 PM
sec-Butylbenzene	ND	0.50	µg/L	1	8/22/2018 04:55 PM
Styrene	ND	0.50	µg/L	1	8/22/2018 04:55 PM
tert-Butylbenzene	ND	0.50	µg/L	1	8/22/2018 04:55 PM
Tetrachloroethene	ND	0.50	µg/L	1	8/22/2018 04:55 PM
Toluene	ND	0.50	µg/L	1	8/22/2018 04:55 PM
trans-1,2-Dichloroethene	ND	0.50	µg/L	1	8/22/2018 04:55 PM
Trichloroethene	7.1	0.50	µg/L	1	8/22/2018 04:55 PM
Trichlorofluoromethane	1.9	0.50	µg/L	1	8/22/2018 04:55 PM
Vinyl chloride	ND	0.50	µg/L	1	8/22/2018 04:55 PM
Surr: 1,2-Dichloroethane-d4	104	73-127	%REC	1	8/22/2018 04:55 PM
Surr: 4-Bromofluorobenzene	89.6	80-120	%REC	1	8/22/2018 04:55 PM
Surr: Dibromofluoromethane	105	80-121	%REC	1	8/22/2018 04:55 PM
Surr: Toluene-d8	105	80-120	%REC	1	8/22/2018 04:55 PM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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“Serving Clients with Passion and Professionalism”

CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N031719
Project: ANCO 417 W. 164th Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: CA180822LCS	SampType: LCS	TestCode: 8260WATERP	Units: µg/L	Prep Date:	RunNo: 127129						
Client ID: LCSW	Batch ID: CA18VW018	TestNo: EPA 8260B	Analysis Date: 8/22/2018	SeqNo: 3118757							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	20.020	0.50	20.00	0	100	80	122				
1,1,1-Trichloroethane	20.770	0.50	20.00	0	104	80	125				
1,1,2,2-Tetrachloroethane	17.350	0.50	20.00	0	86.8	76	124				
1,1,2-Trichloroethane	19.000	0.50	20.00	0	95.0	80	120				
1,1-Dichloroethane	18.270	0.50	20.00	0	91.4	67	128				
1,1-Dichloroethene	20.030	0.50	20.00	0	100	66	131				
1,1-Dichloropropene	23.190	0.50	20.00	0	116	80	132				
1,2,3-Trichlorobenzene	19.470	0.50	20.00	0	97.4	76	122				
1,2,3-Trichloropropane	19.950	0.50	20.00	0	99.8	75	121				
1,2,4-Trichlorobenzene	20.120	0.50	20.00	0	101	73	121				
1,2,4-Trimethylbenzene	22.150	0.50	20.00	0	111	80	125				
1,2-Dibromo-3-chloropropane	18.330	1.0	20.00	0	91.7	66	129				
1,2-Dibromoethane	19.930	0.50	20.00	0	99.7	80	120				
1,2-Dichlorobenzene	20.610	0.50	20.00	0	103	80	120				
1,2-Dichloroethane	18.410	0.50	20.00	0	92.0	80	120				
1,2-Dichloropropane	18.460	0.50	20.00	0	92.3	80	120				
1,3,5-Trimethylbenzene	19.730	0.50	20.00	0	98.6	80	128				
1,3-Dichlorobenzene	19.790	0.50	20.00	0	99.0	80	120				
1,3-Dichloropropane	20.860	0.50	20.00	0	104	80	120				
1,4-Dichlorobenzene	19.430	0.50	20.00	0	97.2	80	120				
2,2-Dichloropropane	21.760	0.50	20.00	0	109	69	136				
2-Butanone	228.230	5.0	200.0	0	114	10	171				
2-Chlorotoluene	20.620	0.50	20.00	0	103	80	120				
4-Chlorotoluene	22.200	0.50	20.00	0	111	80	122				
4-Isopropyltoluene	19.940	0.50	20.00	0	99.7	80	133				
Benzene	20.400	0.50	20.00	0	102	80	120				
Bromobenzene	19.670	0.50	20.00	0	98.4	80	120				
Bromodichloromethane	17.820	0.50	20.00	0	89.1	80	120				
Bromoform	18.570	0.50	20.00	0	92.8	67	130				

Qualifiers:

- B Analyte detected in the associated Method Blank
 - E Value above quantitation range
 - H Holding times for preparation or analysis exceeded
 - ND Not Detected at the Reporting Limit
 - R RPD outside accepted recovery limits
 - S Spike/Surrogate outside of limits due to matrix interference
- Calculations are based on raw values



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"Serving Clients with Passion and Professionalism"

CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N031719
Project: ANCO 417 W. 164th Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: CA180822LCS	SampType: LCS	TestCode: 8260WATERP Units: µg/L				Prep Date:			RunNo: 127129		
Client ID: LCSW	Batch ID: CA18VW018	TestNo: EPA 8260B				Analysis Date: 8/22/2018			SeqNo: 3118757		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	22.120	1.0	20.00	0	111	21	148				
Carbon tetrachloride	23.240	0.50	20.00	0	116	76	138				
Chlorobenzene	21.150	0.50	20.00	0	106	80	120				
Chloroethane	19.460	1.0	20.00	0	97.3	67	155				
Chloroform	21.720	0.50	20.00	0	109	79	120				
Chloromethane	22.290	0.50	20.00	0	111	33	145				
cis-1,2-Dichloroethene	20.770	0.50	20.00	0	104	80	120				
cis-1,3-Dichloropropene	20.080	0.50	20.00	0	100	80	121				
Dibromochloromethane	18.600	0.50	20.00	0	93.0	77	131				
Dibromomethane	19.150	0.50	20.00	0	95.8	80	120				
Dichlorodifluoromethane	27.140	0.50	20.00	0	136	40	169				
Ethylbenzene	20.780	0.50	20.00	0	104	80	121				
Freon-113	15.970	0.50	20.00	0	79.8	47	132				
Hexachlorobutadiene	19.870	0.50	20.00	0	99.4	80	132				
Isopropylbenzene	20.470	0.50	20.00	0	102	59	128				
m,p-Xylene	44.210	1.0	40.00	0	111	80	124				
Methylene chloride	20.520	2.0	20.00	0	103	68	126				
MTBE	19.790	0.50	20.00	0	99.0	65	120				
n-Butylbenzene	21.170	0.50	20.00	0	106	74	139				
n-Propylbenzene	21.900	0.50	20.00	0	110	80	129				
Naphthalene	17.670	0.50	20.00	0	88.4	67	123				
o-Xylene	21.540	0.50	20.00	0	108	80	123				
sec-Butylbenzene	20.810	0.50	20.00	0	104	80	133				
Styrene	22.050	0.50	20.00	0	110	80	122				
tert-Butylbenzene	21.660	0.50	20.00	0	108	80	130				
Tetrachloroethene	21.340	0.50	20.00	0	107	80	129				
Toluene	20.470	0.50	20.00	0	102	80	120				
trans-1,2-Dichloroethene	18.860	0.50	20.00	0	94.3	75	122				
Trichloroethene	19.950	0.50	20.00	0	99.8	80	120				
Trichlorofluoromethane	21.260	0.50	20.00	0	106	71	149				

Qualifiers:

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- E Value above quantitation range
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- S Spike/Surrogate outside of limits due to matrix interference

Calculations are based on raw values



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"Serving Clients with Passion and Professionalism"

CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N031719
Project: ANCO 417 W. 164th Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: CA180822LCS	SampType: LCS	TestCode: 8260WATERP	Units: µg/L	Prep Date:	RunNo: 127129						
Client ID: LCSW	Batch ID: CA18VW018	TestNo: EPA 8260B		Analysis Date: 8/22/2018	SeqNo: 3118757						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	22.530	0.50	20.00	0	113	53	146				
Surr: 1,2-Dichloroethane-d4	22.930		25.00		91.7	73	127				
Surr: 4-Bromofluorobenzene	27.960		25.00		112	80	120				
Surr: Dibromofluoromethane	24.950		25.00		99.8	80	121				
Surr: Toluene-d8	26.410		25.00		106	80	120				

Sample ID: CA180822LCSD	SampType: LCSD	TestCode: 8260WATERP	Units: µg/L	Prep Date:	RunNo: 127129						
Client ID: LCSS02	Batch ID: CA18VW018	TestNo: EPA 8260B		Analysis Date: 8/22/2018	SeqNo: 3118758						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	21.440	0.50	20.00	0	107	80	122	20.02	6.85	20	
1,1,1-Trichloroethane	20.570	0.50	20.00	0	103	80	125	20.77	0.968	20	
1,1,2,2-Tetrachloroethane	17.470	0.50	20.00	0	87.4	76	124	17.35	0.689	20	
1,1,2-Trichloroethane	16.870	0.50	20.00	0	84.4	80	120	19.00	11.9	20	
1,1-Dichloroethane	18.310	0.50	20.00	0	91.6	67	128	18.27	0.219	20	
1,1-Dichloroethene	17.270	0.50	20.00	0	86.4	66	131	20.03	14.8	20	
1,1-Dichloropropene	23.310	0.50	20.00	0	117	80	132	23.19	0.516	20	
1,2,3-Trichlorobenzene	18.410	0.50	20.00	0	92.0	76	122	19.47	5.60	20	
1,2,3-Trichloropropane	17.690	0.50	20.00	0	88.4	75	121	19.95	12.0	20	
1,2,4-Trichlorobenzene	18.590	0.50	20.00	0	93.0	73	121	20.12	7.90	20	
1,2,4-Trimethylbenzene	21.220	0.50	20.00	0	106	80	125	22.15	4.29	20	
1,2-Dibromo-3-chloropropane	20.960	1.0	20.00	0	105	66	129	18.33	13.4	20	
1,2-Dibromoethane	19.770	0.50	20.00	0	98.8	80	120	19.93	0.806	20	
1,2-Dichlorobenzene	20.010	0.50	20.00	0	100	80	120	20.61	2.95	20	
1,2-Dichloroethane	18.140	0.50	20.00	0	90.7	80	120	18.41	1.48	20	
1,2-Dichloropropane	17.500	0.50	20.00	0	87.5	80	120	18.46	5.34	20	
1,3,5-Trimethylbenzene	18.890	0.50	20.00	0	94.4	80	128	19.73	4.35	20	
1,3-Dichlorobenzene	19.370	0.50	20.00	0	96.9	80	120	19.79	2.15	20	
1,3-Dichloropropane	18.930	0.50	20.00	0	94.6	80	120	20.86	9.70	20	
1,4-Dichlorobenzene	19.710	0.50	20.00	0	98.6	80	120	19.43	1.43	20	

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- E Value above quantitation range
- R RPD outside accepted recovery limits
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference

Calculations are based on raw values



ASSET LABORATORIES
ANALYTICAL SERVICES FOR THE ENVIRONMENTAL INDUSTRY

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"Serving Clients with Passion and Professionalism"

CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N031719
Project: ANCO 417 W. 164th Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: CA180822LCSD	SampType: LCSD	TestCode: 8260WATERP Units: µg/L				Prep Date:			RunNo: 127129		
Client ID: LCSS02	Batch ID: CA18VW018	TestNo: EPA 8260B				Analysis Date: 8/22/2018			SeqNo: 3118758		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	21.730	0.50	20.00	0	109	69	136	21.76	0.138	20	
2-Butanone	218.580	5.0	200.0	0	109	10	171	228.2	4.32	20	
2-Chlorotoluene	20.190	0.50	20.00	0	101	80	120	20.62	2.11	20	
4-Chlorotoluene	21.000	0.50	20.00	0	105	80	122	22.20	5.56	20	
4-Isopropyltoluene	18.910	0.50	20.00	0	94.6	80	133	19.94	5.30	20	
Benzene	20.060	0.50	20.00	0	100	80	120	20.40	1.68	20	
Bromobenzene	19.550	0.50	20.00	0	97.8	80	120	19.67	0.612	20	
Bromodichloromethane	17.840	0.50	20.00	0	89.2	80	120	17.82	0.112	20	
Bromoform	18.340	0.50	20.00	0	91.7	67	130	18.57	1.25	20	
Bromomethane	20.130	1.0	20.00	0	101	21	148	22.12	9.42	20	
Carbon tetrachloride	21.890	0.50	20.00	0	109	76	138	23.24	5.98	20	
Chlorobenzene	20.670	0.50	20.00	0	103	80	120	21.15	2.30	20	
Chloroethane	17.990	1.0	20.00	0	90.0	67	155	19.46	7.85	20	
Chloroform	19.640	0.50	20.00	0	98.2	79	120	21.72	10.1	20	
Chloromethane	19.850	0.50	20.00	0	99.2	33	145	22.29	11.6	20	
cis-1,2-Dichloroethene	20.320	0.50	20.00	0	102	80	120	20.77	2.19	20	
cis-1,3-Dichloropropene	21.230	0.50	20.00	0	106	80	121	20.08	5.57	20	
Dibromochloromethane	17.780	0.50	20.00	0	88.9	77	131	18.60	4.51	20	
Dibromomethane	19.050	0.50	20.00	0	95.2	80	120	19.15	0.524	20	
Dichlorodifluoromethane	24.870	0.50	20.00	0	124	40	169	27.14	8.73	20	
Ethylbenzene	21.260	0.50	20.00	0	106	80	121	20.78	2.28	20	
Freon-113	14.330	0.50	20.00	0	71.6	47	132	15.97	10.8	20	
Hexachlorobutadiene	17.960	0.50	20.00	0	89.8	80	132	19.87	10.1	20	
Isopropylbenzene	19.610	0.50	20.00	0	98.0	59	128	20.47	4.29	20	
m,p-Xylene	45.750	1.0	40.00	0	114	80	124	44.21	3.42	20	
Methylene chloride	18.480	2.0	20.00	0	92.4	68	126	20.52	10.5	20	
MTBE	19.200	0.50	20.00	0	96.0	65	120	19.79	3.03	20	
n-Butylbenzene	19.960	0.50	20.00	0	99.8	74	139	21.17	5.88	20	
n-Propylbenzene	20.750	0.50	20.00	0	104	80	129	21.90	5.39	20	
Naphthalene	18.410	0.50	20.00	0	92.0	67	123	17.67	4.10	20	

Qualifiers:

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- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference

Calculations are based on raw values



ASSET LABORATORIES
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"Serving Clients with Passion and Professionalism"

CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N031719
Project: ANCO 417 W. 164th Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: CA180822LCSD	SampType: LCSD	TestCode: 8260WATERP	Units: µg/L	Prep Date:	RunNo: 127129						
Client ID: LCSS02	Batch ID: CA18VW018	TestNo: EPA 8260B		Analysis Date: 8/22/2018	SeqNo: 3118758						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	21.780	0.50	20.00	0	109	80	123	21.54	1.11	20	
sec-Butylbenzene	19.870	0.50	20.00	0	99.4	80	133	20.81	4.62	20	
Styrene	22.240	0.50	20.00	0	111	80	122	22.05	0.858	20	
tert-Butylbenzene	20.860	0.50	20.00	0	104	80	130	21.66	3.76	20	
Tetrachloroethene	17.780	0.50	20.00	0	88.9	80	129	21.34	18.2	20	
Toluene	20.480	0.50	20.00	0	102	80	120	20.47	0.0488	20	
trans-1,2-Dichloroethene	16.830	0.50	20.00	0	84.2	75	122	18.86	11.4	20	
Trichloroethene	20.350	0.50	20.00	0	102	80	120	19.95	1.99	20	
Trichlorofluoromethane	20.670	0.50	20.00	0	103	71	149	21.26	2.81	20	
Vinyl chloride	21.600	0.50	20.00	0	108	53	146	22.53	4.21	20	
Surr: 1,2-Dichloroethane-d4	23.430		25.00		93.7	73	127		0		
Surr: 4-Bromofluorobenzene	27.080		25.00		108	80	120		0		
Surr: Dibromofluoromethane	25.340		25.00		101	80	121		0		
Surr: Toluene-d8	27.840		25.00		111	80	120		0		

Sample ID: CA180822MB3	SampType: MBLK	TestCode: 8260WATERP	Units: µg/L	Prep Date:	RunNo: 127129						
Client ID: PBW	Batch ID: CA18VW018	TestNo: EPA 8260B		Analysis Date: 8/22/2018	SeqNo: 3118761						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	0.50									
1,1,1-Trichloroethane	ND	0.50									
1,1,2,2-Tetrachloroethane	ND	0.50									
1,1,2-Trichloroethane	ND	0.50									
1,1-Dichloroethane	ND	0.50									
1,1-Dichloroethene	ND	0.50									
1,1-Dichloropropene	ND	0.50									
1,2,3-Trichlorobenzene	ND	0.50									
1,2,3-Trichloropropane	ND	0.50									
1,2,4-Trichlorobenzene	ND	0.50									
1,2,4-Trimethylbenzene	ND	0.50									

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference

Calculations are based on raw values



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3151 W. Post Rd., Las Vegas, NV 89118
ELAP Cert 2676 | NV Cert NV00922
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"Serving Clients with Passion and Professionalism"

CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N031719
Project: ANCO 417 W. 164th Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: CA180822MB3	SampType: MBLK	TestCode: 8260WATERP Units: µg/L	Prep Date:	RunNo: 127129
Client ID: PBW	Batch ID: CA18VW018	TestNo: EPA 8260B	Analysis Date: 8/22/2018	SeqNo: 3118761

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	ND	1.0									
1,2-Dibromoethane	ND	0.50									
1,2-Dichlorobenzene	ND	0.50									
1,2-Dichloroethane	ND	0.50									
1,2-Dichloropropane	ND	0.50									
1,3,5-Trimethylbenzene	ND	0.50									
1,3-Dichlorobenzene	ND	0.50									
1,3-Dichloropropane	ND	0.50									
1,4-Dichlorobenzene	ND	0.50									
2,2-Dichloropropane	ND	0.50									
2-Butanone	ND	5.0									
2-Chlorotoluene	ND	0.50									
4-Chlorotoluene	ND	0.50									
4-Isopropyltoluene	ND	0.50									
Benzene	ND	0.50									
Bromobenzene	ND	0.50									
Bromodichloromethane	ND	0.50									
Bromoform	ND	0.50									
Bromomethane	ND	1.0									
Carbon tetrachloride	ND	0.50									
Chlorobenzene	ND	0.50									
Chloroethane	ND	1.0									
Chloroform	ND	0.50									
Chloromethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
cis-1,3-Dichloropropene	ND	0.50									
Dibromochloromethane	ND	0.50									
Dibromomethane	ND	0.50									
Dichlorodifluoromethane	ND	0.50									
Ethylbenzene	ND	0.50									

Qualifiers:

- | | | |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |

Calculations are based on raw values



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ORELAP/NELAP Cert 4046

"Serving Clients with Passion and Professionalism"

CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N031719
Project: ANCO 417 W. 164th Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: CA180822MB3	SampType: MBLK	TestCode: 8260WATERP Units: µg/L	Prep Date:	RunNo: 127129							
Client ID: PBW	Batch ID: CA18VW018	TestNo: EPA 8260B	Analysis Date: 8/22/2018	SeqNo: 3118761							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Freon-113	ND	0.50									
Hexachlorobutadiene	ND	0.50									
Isopropylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
Methylene chloride	ND	2.0									
MTBE	ND	0.50									
n-Butylbenzene	ND	0.50									
n-Propylbenzene	ND	0.50									
Naphthalene	ND	0.50									
o-Xylene	ND	0.50									
sec-Butylbenzene	ND	0.50									
Styrene	ND	0.50									
tert-Butylbenzene	ND	0.50									
Tetrachloroethene	ND	0.50									
Toluene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Trichloroethene	ND	0.50									
Trichlorofluoromethane	ND	0.50									
Vinyl chloride	ND	0.50									
Surr: 1,2-Dichloroethane-d4	23.340		25.00		93.4	73	127				
Surr: 4-Bromofluorobenzene	22.980		25.00		91.9	80	120				
Surr: Dibromofluoromethane	23.030		25.00		92.1	80	121				
Surr: Toluene-d8	24.440		25.00		97.8	80	120				

Qualifiers:

- | | | |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |

Calculations are based on raw values



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CHAIN OF CUSTODY

LEYEN01 C: 8/22/2018 12:00 AM
FOLDER R: 8/15/2018
N031719-003A
1 of 1

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Page 1 of 1

Client: <u>Lepmaster Env Con</u>		Report to: <u>LEC</u>		Bill to: <u>LEC</u>		EDD Requirement		QA/QC		Sample Receipt Condition			
Address: <u>5500 E. Atherton St #210</u>		Company: <u>LEC</u>		Address:		Excel EDD <input type="checkbox"/>		RTNE <input checked="" type="checkbox"/>		Y N			
Address: <u>Long Beach, CA 90815</u>		Email: <u>Charles@lepmaster.net</u>		Address:		Geotracker <input type="checkbox"/>		RWQCB <input type="checkbox"/>		1. Chilled <input type="checkbox"/>			
Phone: <u>562-799-9866</u>		Address:		Email to:		LabSpec <input type="checkbox"/>		CaTrans <input type="checkbox"/>		2. Headspace <input type="checkbox"/>			
Submitted By: <u>Charles Lindeman</u>		Address:		PO#:		Others <input type="checkbox"/>		Level III <input type="checkbox"/>		3. Container Intact <input type="checkbox"/>			
Title:		Phone:		Phone:		Specify:		LEVEL IV <input type="checkbox"/>		4. Seal Present <input type="checkbox"/>			
Signatures: <u>Chris Lindeman</u> Date: <u>8/15/18</u>		Fax:		Fax:		Regulatory <input type="checkbox"/>		Specify State:		5. IR number <u>7</u>			
Project Name: <u>ANCO 407 W. 164th Carson, CA</u>		Sampler's Signature and Date: <u>Chris Lindeman 8/15/18</u>		Matrix		Analyses Requested		Global ID:		6. Method of Cooling <u>16</u>			
Project Number:		Sampler's Name: <u>Charles Lindeman</u>		Ground <input checked="" type="checkbox"/> Sediment <input type="checkbox"/>		8260B Voces		Turn Around Time		Sample Temp: <u>20°C</u>			
				Potable <input type="checkbox"/> Soil <input type="checkbox"/>				No. of container		Courier:		Tracking No.	
				NPDES <input type="checkbox"/> Other Solid <input type="checkbox"/>				Container Type		PRESERVATION			
				Surface <input type="checkbox"/>				PRESERVATION					

Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others	Remarks
1	N031719-01	Influent	8/15/18	700	✓			✓
2								
3	-02	Effluent	8/15/18	705	✓			✓
4								
5								
6								
7								
8								
9								
10								

Relinquished by (Signature and Printed Name): <u>Charles Lindeman</u> Date / Time: <u>8/15/18</u>	Received by (Signature and Printed Name): <u>MARCO MARCHIANO</u> Date / Time: <u>8/15/18 2:20 PM</u>	Turn Around Time (TAT) <input type="checkbox"/> A < 24 Hrs or Same Day TAT <input type="checkbox"/> B = Next Workday <input type="checkbox"/> C = 2 Workdays <input type="checkbox"/> D = 3 Workdays <input checked="" type="checkbox"/> E = Routine 5-7 Workdays TAT Starts at 8 AM the following day if samples received after 3:00 PM.	Special Instruction: <u>PALS</u>
Relinquished by (Signature and Printed Name): <u>[Signature]</u> Date / Time: <u>8/16/18</u>	Received by (Signature and Printed Name): <u>[Signature]</u> Date / Time: <u>8/16/18</u>		
Relinquished by (Signature and Printed Name): <u>[Signature]</u> Date / Time: <u>8/20/18</u>	Received by (Signature and Printed Name): <u>[Signature]</u> Date / Time: <u>8/20/18</u>		

Terms
 1. All samples will be disposed in 45 days upon receipt and records will be destroyed in 5 years upon submission of final report.
 2. Regular TAT is 5-7 business days, surcharges will apply for rush analysis
 Less than 24 Hrs = 200% Next Day = 100% 2 Workdays = 50% 3 Workdays = 35% 4 Workdays = 20%
 3. Custom EDD formats will be an additional 3% of the total project price.
 4. Add 10% surcharge for Level III Data Packages, 15% for Level IV Data Packages. Surcharge applied on total project price.

Preservatives:
 H = HCl N = HNO3 S = H2SO4 C = 4°C
 Z = Zn(AC)2 O = NaOH T = Na2S2O3

Container Type:
 T = Tube V = VOA P = Pint
 J = Jar B = Tedlar G = Glass
 M = Metal P = Plastic C = Can

Others/Specify:

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On: 8/15/18 Workorder: ND31719

Rep sample Temp (Deg C): _____ IR Gun ID: _____

Temp Blank: Yes No

Carrier name: ASSET

Last 4 digits of Tracking No.: N/A

Packing Material Used: NONE

Cooling process: Ice Ice Pack Dry Ice Other None

Sample Receipt Checklist

- | | | | |
|---|---|--|---|
| 1. Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | NA <input type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 16. Were there Non-Conformance issues at login?
Was Client notified? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Comments: INFLUENT - ALL 3 VOAS HAVE > 5mm HEADSPACE
EFFLUENT - 2 VOAS WITH < 2mm HEADSPACE
SAMPLE RECEIVED IN COOLER WITH DRY ICE & STORED IN REFRIGERATOR
WHEN ARRIVED AT LAB

Checklist Completed By: MSamuel 8/20/18

Reviewed By: HAC 08/21/18

ASSET Laboratories

WORK ORDER Summary

16-Aug-18

WorkOrder: N031719

Client ID: LEYEN01

Project: ANCO 417 W. 164th Carson, CA

QC Level: RTNE

Date Received: 8/15/2018

Comments: PQLs

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N031719-001A	Influent	8/15/2018 7:00:00 AM	8/22/2018	Groundwater	EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N031719-002A	Effluent	8/15/2018 7:05:00 AM	8/22/2018		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N031719-003A	FOLDER	8/22/2018	8/22/2018		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			8/22/2018		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB

September 17, 2018

Charles F. Lindeman
Leymaster Environmental Consulting, LLC
5500 East Atherton Street, Suite 210
Long Beach, CA 90815

TEL: (562) 799-9866

FAX: (562) 799-1963

Workorder No.: N032019

RE: 417 W. 164th, Carson, CA

Attention: Charles F. Lindeman

Enclosed are the results for sample(s) received on September 10, 2018 by ASSET Laboratories .
The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in
accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (702) 307-2659 or Molky Brar at (562)-881-3622 if we can be of
further assistance to your company.

Sincerely,

Molky Brar
Project Manager



Quennie Manimtim
Laboratory Director



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CLIENT: Leymaster Environmental Consulting, LLC
Project: 417 W. 164th, Carson, CA
Lab Order: N032019

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.

Analytical Comment for EPA 8260B:

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for 2-Butanone possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.



CLIENT: Leymaster Environmental Consulting, LLC
Project: 417 W. 164th, Carson, CA
Lab Order: N032019
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N032019-001A	Influent	Groundwater	9/10/2018 9:05:00 AM	9/10/2018	9/17/2018
N032019-002A	Effluent	Groundwater	9/10/2018 9:00:00 AM	9/10/2018	9/17/2018



ASSET Laboratories

ANALYTICAL RESULTS

Print Date: 17-Sep-18

CLIENT:	Leymaster Environmental Consulting, LLC	Client Sample ID:	Influent
Lab Order:	N032019	Collection Date:	9/10/2018 9:05:00 AM
Project:	417 W. 164th, Carson, CA	Matrix:	GROUNDWATER
Lab ID:	N032019-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: NV00922-MS5_180911A	QC Batch: P18VW131	PrepDate:	Analyst: QBM		
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1	9/11/2018 05:39 PM
1,1,1-Trichloroethane	ND	0.50	µg/L	1	9/11/2018 05:39 PM
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1	9/11/2018 05:39 PM
1,1,2-Trichloroethane	ND	0.50	µg/L	1	9/11/2018 05:39 PM
1,1-Dichloroethane	0.81	0.50	µg/L	1	9/11/2018 05:39 PM
1,1-Dichloroethene	5.0	0.50	µg/L	1	9/11/2018 05:39 PM
1,1-Dichloropropene	ND	0.50	µg/L	1	9/11/2018 05:39 PM
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1	9/11/2018 05:39 PM
1,2,3-Trichloropropane	ND	0.50	µg/L	1	9/11/2018 05:39 PM
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1	9/11/2018 05:39 PM
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1	9/11/2018 05:39 PM
1,2-Dibromo-3-chloropropane	ND	1.0	µg/L	1	9/11/2018 05:39 PM
1,2-Dibromoethane	ND	0.50	µg/L	1	9/11/2018 05:39 PM
1,2-Dichlorobenzene	ND	0.50	µg/L	1	9/11/2018 05:39 PM
1,2-Dichloroethane	ND	0.50	µg/L	1	9/11/2018 05:39 PM
1,2-Dichloropropane	ND	0.50	µg/L	1	9/11/2018 05:39 PM
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1	9/11/2018 05:39 PM
1,3-Dichlorobenzene	ND	0.50	µg/L	1	9/11/2018 05:39 PM
1,3-Dichloropropane	ND	0.50	µg/L	1	9/11/2018 05:39 PM
1,4-Dichlorobenzene	ND	0.50	µg/L	1	9/11/2018 05:39 PM
2,2-Dichloropropane	ND	0.50	µg/L	1	9/11/2018 05:39 PM
2-Butanone	ND	5.0	µg/L	1	9/11/2018 05:39 PM
2-Chlorotoluene	ND	0.50	µg/L	1	9/11/2018 05:39 PM
4-Chlorotoluene	ND	0.50	µg/L	1	9/11/2018 05:39 PM
4-Isopropyltoluene	ND	0.50	µg/L	1	9/11/2018 05:39 PM
Benzene	ND	0.50	µg/L	1	9/11/2018 05:39 PM
Bromobenzene	ND	0.50	µg/L	1	9/11/2018 05:39 PM
Bromodichloromethane	ND	0.50	µg/L	1	9/11/2018 05:39 PM
Bromoform	ND	0.50	µg/L	1	9/11/2018 05:39 PM
Bromomethane	ND	1.0	µg/L	1	9/11/2018 05:39 PM
Carbon tetrachloride	ND	0.50	µg/L	1	9/11/2018 05:39 PM
Chlorobenzene	ND	0.50	µg/L	1	9/11/2018 05:39 PM
Chloroethane	ND	1.0	µg/L	1	9/11/2018 05:39 PM
Chloroform	ND	0.50	µg/L	1	9/11/2018 05:39 PM
Chloromethane	ND	0.50	µg/L	1	9/11/2018 05:39 PM
cis-1,2-Dichloroethene	3.4	0.50	µg/L	1	9/11/2018 05:39 PM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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ANALYTICAL RESULTS

Print Date: 17-Sep-18

CLIENT:	Leymaster Environmental Consulting, LLC	Client Sample ID:	Influent
Lab Order:	N032019	Collection Date:	9/10/2018 9:05:00 AM
Project:	417 W. 164th, Carson, CA	Matrix:	GROUNDWATER
Lab ID:	N032019-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: NV00922-MS5_180911A	QC Batch: P18VW131	PrepDate:	Analyst: QBM		
cis-1,3-Dichloropropene	ND	0.50	µg/L	1	9/11/2018 05:39 PM
Dibromochloromethane	ND	0.50	µg/L	1	9/11/2018 05:39 PM
Dibromomethane	ND	0.50	µg/L	1	9/11/2018 05:39 PM
Dichlorodifluoromethane	ND	0.50	µg/L	1	9/11/2018 05:39 PM
Ethylbenzene	ND	0.50	µg/L	1	9/11/2018 05:39 PM
Freon-113	ND	0.50	µg/L	1	9/11/2018 05:39 PM
Hexachlorobutadiene	ND	0.50	µg/L	1	9/11/2018 05:39 PM
Isopropylbenzene	ND	0.50	µg/L	1	9/11/2018 05:39 PM
m,p-Xylene	ND	1.0	µg/L	1	9/11/2018 05:39 PM
Methylene chloride	ND	2.0	µg/L	1	9/11/2018 05:39 PM
MTBE	7.2	0.50	µg/L	1	9/11/2018 05:39 PM
n-Butylbenzene	ND	0.50	µg/L	1	9/11/2018 05:39 PM
n-Propylbenzene	ND	0.50	µg/L	1	9/11/2018 05:39 PM
Naphthalene	ND	0.50	µg/L	1	9/11/2018 05:39 PM
o-Xylene	ND	0.50	µg/L	1	9/11/2018 05:39 PM
sec-Butylbenzene	ND	0.50	µg/L	1	9/11/2018 05:39 PM
Styrene	ND	0.50	µg/L	1	9/11/2018 05:39 PM
tert-Butylbenzene	ND	0.50	µg/L	1	9/11/2018 05:39 PM
Tetrachloroethene	81	0.50	µg/L	1	9/11/2018 05:39 PM
Toluene	ND	0.50	µg/L	1	9/11/2018 05:39 PM
trans-1,2-Dichloroethene	ND	0.50	µg/L	1	9/11/2018 05:39 PM
Trichloroethene	23	0.50	µg/L	1	9/11/2018 05:39 PM
Trichlorofluoromethane	0.92	0.50	µg/L	1	9/11/2018 05:39 PM
Vinyl chloride	ND	0.50	µg/L	1	9/11/2018 05:39 PM
Surr: 1,2-Dichloroethane-d4	92.4	73-127	%REC	1	9/11/2018 05:39 PM
Surr: 4-Bromofluorobenzene	97.1	80-120	%REC	1	9/11/2018 05:39 PM
Surr: Dibromofluoromethane	100	80-121	%REC	1	9/11/2018 05:39 PM
Surr: Toluene-d8	96.8	80-120	%REC	1	9/11/2018 05:39 PM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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ANALYTICAL RESULTS

Print Date: 17-Sep-18

CLIENT:	Leymaster Environmental Consulting, LLC	Client Sample ID:	Effluent
Lab Order:	N032019	Collection Date:	9/10/2018 9:00:00 AM
Project:	417 W. 164th, Carson, CA	Matrix:	GROUNDWATER
Lab ID:	N032019-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	QC Batch:	P18VW131	PrepDate:	Analyst:	QBM
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1	9/11/2018 05:16 PM
1,1,1-Trichloroethane	ND	0.50	µg/L	1	9/11/2018 05:16 PM
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1	9/11/2018 05:16 PM
1,1,2-Trichloroethane	ND	0.50	µg/L	1	9/11/2018 05:16 PM
1,1-Dichloroethane	1.2	0.50	µg/L	1	9/11/2018 05:16 PM
1,1-Dichloroethene	7.2	0.50	µg/L	1	9/11/2018 05:16 PM
1,1-Dichloropropene	ND	0.50	µg/L	1	9/11/2018 05:16 PM
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1	9/11/2018 05:16 PM
1,2,3-Trichloropropane	ND	0.50	µg/L	1	9/11/2018 05:16 PM
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1	9/11/2018 05:16 PM
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1	9/11/2018 05:16 PM
1,2-Dibromo-3-chloropropane	ND	1.0	µg/L	1	9/11/2018 05:16 PM
1,2-Dibromoethane	ND	0.50	µg/L	1	9/11/2018 05:16 PM
1,2-Dichlorobenzene	ND	0.50	µg/L	1	9/11/2018 05:16 PM
1,2-Dichloroethane	ND	0.50	µg/L	1	9/11/2018 05:16 PM
1,2-Dichloropropane	ND	0.50	µg/L	1	9/11/2018 05:16 PM
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1	9/11/2018 05:16 PM
1,3-Dichlorobenzene	ND	0.50	µg/L	1	9/11/2018 05:16 PM
1,3-Dichloropropane	ND	0.50	µg/L	1	9/11/2018 05:16 PM
1,4-Dichlorobenzene	ND	0.50	µg/L	1	9/11/2018 05:16 PM
2,2-Dichloropropane	ND	0.50	µg/L	1	9/11/2018 05:16 PM
2-Butanone	ND	5.0	µg/L	1	9/11/2018 05:16 PM
2-Chlorotoluene	ND	0.50	µg/L	1	9/11/2018 05:16 PM
4-Chlorotoluene	ND	0.50	µg/L	1	9/11/2018 05:16 PM
4-Isopropyltoluene	ND	0.50	µg/L	1	9/11/2018 05:16 PM
Benzene	ND	0.50	µg/L	1	9/11/2018 05:16 PM
Bromobenzene	ND	0.50	µg/L	1	9/11/2018 05:16 PM
Bromodichloromethane	ND	0.50	µg/L	1	9/11/2018 05:16 PM
Bromoform	ND	0.50	µg/L	1	9/11/2018 05:16 PM
Bromomethane	ND	1.0	µg/L	1	9/11/2018 05:16 PM
Carbon tetrachloride	ND	0.50	µg/L	1	9/11/2018 05:16 PM
Chlorobenzene	ND	0.50	µg/L	1	9/11/2018 05:16 PM
Chloroethane	ND	1.0	µg/L	1	9/11/2018 05:16 PM
Chloroform	0.59	0.50	µg/L	1	9/11/2018 05:16 PM
Chloromethane	ND	0.50	µg/L	1	9/11/2018 05:16 PM
cis-1,2-Dichloroethene	7.2	0.50	µg/L	1	9/11/2018 05:16 PM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
DO Surrogate Diluted Out



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ANALYTICAL RESULTS

Print Date: 17-Sep-18

CLIENT:	Leymaster Environmental Consulting, LLC	Client Sample ID:	Effluent
Lab Order:	N032019	Collection Date:	9/10/2018 9:00:00 AM
Project:	417 W. 164th, Carson, CA	Matrix:	GROUNDWATER
Lab ID:	N032019-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: NV00922-MS5_180911A	QC Batch: P18VW131	PrepDate:	Analyst: QBM
cis-1,3-Dichloropropene	ND	0.50	µg/L 1 9/11/2018 05:16 PM
Dibromochloromethane	ND	0.50	µg/L 1 9/11/2018 05:16 PM
Dibromomethane	ND	0.50	µg/L 1 9/11/2018 05:16 PM
Dichlorodifluoromethane	ND	0.50	µg/L 1 9/11/2018 05:16 PM
Ethylbenzene	ND	0.50	µg/L 1 9/11/2018 05:16 PM
Freon-113	1.0	0.50	µg/L 1 9/11/2018 05:16 PM
Hexachlorobutadiene	ND	0.50	µg/L 1 9/11/2018 05:16 PM
Isopropylbenzene	ND	0.50	µg/L 1 9/11/2018 05:16 PM
m,p-Xylene	ND	1.0	µg/L 1 9/11/2018 05:16 PM
Methylene chloride	ND	2.0	µg/L 1 9/11/2018 05:16 PM
MTBE	ND	0.50	µg/L 1 9/11/2018 05:16 PM
n-Butylbenzene	ND	0.50	µg/L 1 9/11/2018 05:16 PM
n-Propylbenzene	ND	0.50	µg/L 1 9/11/2018 05:16 PM
Naphthalene	ND	0.50	µg/L 1 9/11/2018 05:16 PM
o-Xylene	ND	0.50	µg/L 1 9/11/2018 05:16 PM
sec-Butylbenzene	ND	0.50	µg/L 1 9/11/2018 05:16 PM
Styrene	ND	0.50	µg/L 1 9/11/2018 05:16 PM
tert-Butylbenzene	ND	0.50	µg/L 1 9/11/2018 05:16 PM
Tetrachloroethene	1.1	0.50	µg/L 1 9/11/2018 05:16 PM
Toluene	ND	0.50	µg/L 1 9/11/2018 05:16 PM
trans-1,2-Dichloroethene	ND	0.50	µg/L 1 9/11/2018 05:16 PM
Trichloroethene	8.6	0.50	µg/L 1 9/11/2018 05:16 PM
Trichlorofluoromethane	1.3	0.50	µg/L 1 9/11/2018 05:16 PM
Vinyl chloride	ND	0.50	µg/L 1 9/11/2018 05:16 PM
Surr: 1,2-Dichloroethane-d4	86.3	73-127	%REC 1 9/11/2018 05:16 PM
Surr: 4-Bromofluorobenzene	103	80-120	%REC 1 9/11/2018 05:16 PM
Surr: Dibromofluoromethane	99.0	80-121	%REC 1 9/11/2018 05:16 PM
Surr: Toluene-d8	98.0	80-120	%REC 1 9/11/2018 05:16 PM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032019
Project: 417 W. 164th, Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: P180911LCS	SampType: LCS	TestCode: 8260WATERP	Units: µg/L	Prep Date:	RunNo: 127541						
Client ID: LCSW	Batch ID: P18VW131	TestNo: EPA 8260B	Analysis Date: 9/11/2018	SeqNo: 3136608							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	20.740	0.50	20.00	0	104	80	122				
1,1,1-Trichloroethane	17.900	0.50	20.00	0	89.5	80	125				
1,1,2,2-Tetrachloroethane	21.210	0.50	20.00	0	106	76	124				
1,1,2-Trichloroethane	21.140	0.50	20.00	0	106	80	120				
1,1-Dichloroethane	17.940	0.50	20.00	0	89.7	67	128				
1,1-Dichloroethene	17.310	0.50	20.00	0	86.6	66	131				
1,1-Dichloropropene	20.320	0.50	20.00	0	102	80	132				
1,2,3-Trichlorobenzene	23.550	0.50	20.00	0	118	76	122				
1,2,3-Trichloropropane	19.160	0.50	20.00	0	95.8	75	121				
1,2,4-Trichlorobenzene	23.290	0.50	20.00	0	116	73	121				
1,2,4-Trimethylbenzene	20.870	0.50	20.00	0	104	80	125				
1,2-Dibromo-3-chloropropane	21.370	1.0	20.00	0	107	66	129				
1,2-Dibromoethane	22.570	0.50	20.00	0	113	80	120				
1,2-Dichlorobenzene	20.900	0.50	20.00	0	104	80	120				
1,2-Dichloroethane	20.340	0.50	20.00	0	102	80	120				
1,2-Dichloropropane	18.760	0.50	20.00	0	93.8	80	120				
1,3,5-Trimethylbenzene	20.660	0.50	20.00	0	103	80	128				
1,3-Dichlorobenzene	20.400	0.50	20.00	0	102	80	120				
1,3-Dichloropropane	19.980	0.50	20.00	0	99.9	80	120				
1,4-Dichlorobenzene	20.260	0.50	20.00	0	101	80	120				
2,2-Dichloropropane	18.130	0.50	20.00	0	90.7	69	136				
2-Butanone	183.570	5.0	200.0	0	91.8	10	171				
2-Chlorotoluene	19.200	0.50	20.00	0	96.0	80	120				
4-Chlorotoluene	19.630	0.50	20.00	0	98.2	80	122				
4-Isopropyltoluene	21.190	0.50	20.00	0	106	80	133				
Benzene	19.000	0.50	20.00	0	95.0	80	120				
Bromobenzene	20.130	0.50	20.00	0	101	80	120				
Bromodichloromethane	19.930	0.50	20.00	0	99.7	80	120				
Bromoform	21.310	0.50	20.00	0	107	67	130				

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference

Calculations are based on raw values



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CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032019
Project: 417 W. 164th, Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: P180911LCS	SampType: LCS	TestCode: 8260WATERP Units: µg/L				Prep Date:			RunNo: 127541		
Client ID: LCSW	Batch ID: P18VW131	TestNo: EPA 8260B				Analysis Date: 9/11/2018			SeqNo: 3136608		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	10.740	1.0	20.00	0	53.7	21	148				
Carbon tetrachloride	20.760	0.50	20.00	0	104	76	138				
Chlorobenzene	20.180	0.50	20.00	0	101	80	120				
Chloroethane	16.960	1.0	20.00	0	84.8	67	155				
Chloroform	18.050	0.50	20.00	0	90.3	79	120				
Chloromethane	14.240	0.50	20.00	0	71.2	33	145				
cis-1,2-Dichloroethene	18.950	0.50	20.00	0	94.8	80	120				
cis-1,3-Dichloropropene	19.850	0.50	20.00	0	99.2	80	121				
Dibromochloromethane	21.880	0.50	20.00	0	109	77	131				
Dibromomethane	19.540	0.50	20.00	0	97.7	80	120				
Dichlorodifluoromethane	19.000	0.50	20.00	0	95.0	40	169				
Ethylbenzene	19.890	0.50	20.00	0	99.4	80	121				
Freon-113	19.000	0.50	20.00	0	95.0	47	132				
Hexachlorobutadiene	21.600	0.50	20.00	0	108	80	132				
Isopropylbenzene	20.090	0.50	20.00	0	100	59	128				
m,p-Xylene	41.160	1.0	40.00	0	103	80	124				
Methylene chloride	18.460	2.0	20.00	0	92.3	68	126				
MTBE	19.440	0.50	20.00	0	97.2	65	120				
n-Butylbenzene	20.790	0.50	20.00	0	104	74	139				
n-Propylbenzene	19.640	0.50	20.00	0	98.2	80	129				
Naphthalene	20.510	0.50	20.00	0	103	67	123				
o-Xylene	20.100	0.50	20.00	0	101	80	123				
sec-Butylbenzene	19.690	0.50	20.00	0	98.4	80	133				
Styrene	21.480	0.50	20.00	0	107	80	122				
tert-Butylbenzene	19.960	0.50	20.00	0	99.8	80	130				
Tetrachloroethene	19.910	0.50	20.00	0	99.6	80	129				
Toluene	19.570	0.50	20.00	0	97.9	80	120				
trans-1,2-Dichloroethene	18.040	0.50	20.00	0	90.2	75	122				
Trichloroethene	20.680	0.50	20.00	0	103	80	120				
Trichlorofluoromethane	18.410	0.50	20.00	0	92.0	71	149				

Qualifiers:

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- ND Not Detected at the Reporting Limit
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- S Spike/Surrogate outside of limits due to matrix interference

Calculations are based on raw values



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CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032019
Project: 417 W. 164th, Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: P180911LCS		SampType: LCS		TestCode: 8260WATERP Units: µg/L			Prep Date:			RunNo: 127541		
Client ID: LCSW		Batch ID: P18VW131		TestNo: EPA 8260B			Analysis Date: 9/11/2018			SeqNo: 3136608		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Vinyl chloride	16.650	0.50	20.00	0	83.3	53	146					
Surr: 1,2-Dichloroethane-d4	22.830		25.00		91.3	73	127					
Surr: 4-Bromofluorobenzene	26.530		25.00		106	80	120					
Surr: Dibromofluoromethane	24.040		25.00		96.2	80	121					
Surr: Toluene-d8	24.770		25.00		99.1	80	120					

Sample ID: P180911LCSD		SampType: LCSD		TestCode: 8260WATERP Units: µg/L			Prep Date:			RunNo: 127541		
Client ID: LCSS02		Batch ID: P18VW131		TestNo: EPA 8260B			Analysis Date: 9/11/2018			SeqNo: 3136608		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,1,1,2-Tetrachloroethane	20.350	0.50	20.00	0	102	80	122	20.74	1.90	20		
1,1,1-Trichloroethane	18.440	0.50	20.00	0	92.2	80	125	17.90	2.97	20		
1,1,2,2-Tetrachloroethane	20.470	0.50	20.00	0	102	76	124	21.21	3.55	20		
1,1,2-Trichloroethane	20.690	0.50	20.00	0	103	80	120	21.14	2.15	20		
1,1-Dichloroethane	18.520	0.50	20.00	0	92.6	67	128	17.94	3.18	20		
1,1-Dichloroethene	18.000	0.50	20.00	0	90.0	66	131	17.31	3.91	20		
1,1-Dichloropropene	20.090	0.50	20.00	0	100	80	132	20.32	1.14	20		
1,2,3-Trichlorobenzene	23.610	0.50	20.00	0	118	76	122	23.55	0.254	20		
1,2,3-Trichloropropane	18.810	0.50	20.00	0	94.1	75	121	19.16	1.84	20		
1,2,4-Trichlorobenzene	23.280	0.50	20.00	0	116	73	121	23.29	0.0429	20		
1,2,4-Trimethylbenzene	21.000	0.50	20.00	0	105	80	125	20.87	0.621	20		
1,2-Dibromo-3-chloropropane	20.690	1.0	20.00	0	103	66	129	21.37	3.23	20		
1,2-Dibromoethane	23.210	0.50	20.00	0	116	80	120	22.57	2.80	20		
1,2-Dichlorobenzene	20.770	0.50	20.00	0	104	80	120	20.90	0.624	20		
1,2-Dichloroethane	20.080	0.50	20.00	0	100	80	120	20.34	1.29	20		
1,2-Dichloropropane	18.710	0.50	20.00	0	93.6	80	120	18.76	0.267	20		
1,3,5-Trimethylbenzene	20.670	0.50	20.00	0	103	80	128	20.66	0.0484	20		
1,3-Dichlorobenzene	20.230	0.50	20.00	0	101	80	120	20.40	0.837	20		
1,3-Dichloropropane	19.230	0.50	20.00	0	96.2	80	120	19.98	3.83	20		
1,4-Dichlorobenzene	20.430	0.50	20.00	0	102	80	120	20.26	0.836	20		

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference

Calculations are based on raw values



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"Serving Clients with Passion and Professionalism"

CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032019
Project: 417 W. 164th, Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: P180911LCSD		SampType: LCSD		TestCode: 8260WATERP Units: µg/L			Prep Date:			RunNo: 127541		
Client ID: LCSS02		Batch ID: P18VW131		TestNo: EPA 8260B			Analysis Date: 9/11/2018			SeqNo: 3136609		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
2,2-Dichloropropane	19.010	0.50	20.00	0	95.1	69	136	18.13	4.74	20		
2-Butanone	171.880	5.0	200.0	0	85.9	10	171	183.6	6.58	20		
2-Chlorotoluene	19.150	0.50	20.00	0	95.8	80	120	19.20	0.261	20		
4-Chlorotoluene	20.300	0.50	20.00	0	102	80	122	19.63	3.36	20		
4-Isopropyltoluene	21.150	0.50	20.00	0	106	80	133	21.19	0.189	20		
Benzene	19.900	0.50	20.00	0	99.5	80	120	19.00	4.63	20		
Bromobenzene	20.170	0.50	20.00	0	101	80	120	20.13	0.199	20		
Bromodichloromethane	19.320	0.50	20.00	0	96.6	80	120	19.93	3.11	20		
Bromoform	21.260	0.50	20.00	0	106	67	130	21.31	0.235	20		
Bromomethane	11.740	1.0	20.00	0	58.7	21	148	10.74	8.90	20		
Carbon tetrachloride	21.200	0.50	20.00	0	106	76	138	20.76	2.10	20		
Chlorobenzene	20.320	0.50	20.00	0	102	80	120	20.18	0.691	20		
Chloroethane	16.420	1.0	20.00	0	82.1	67	155	16.96	3.24	20		
Chloroform	19.230	0.50	20.00	0	96.2	79	120	18.05	6.33	20		
Chloromethane	15.610	0.50	20.00	0	78.0	33	145	14.24	9.18	20		
cis-1,2-Dichloroethene	19.270	0.50	20.00	0	96.4	80	120	18.95	1.67	20		
cis-1,3-Dichloropropene	19.810	0.50	20.00	0	99.0	80	121	19.85	0.202	20		
Dibromochloromethane	20.970	0.50	20.00	0	105	77	131	21.88	4.25	20		
Dibromomethane	19.860	0.50	20.00	0	99.3	80	120	19.54	1.62	20		
Dichlorodifluoromethane	19.410	0.50	20.00	0	97.0	40	169	19.00	2.13	20		
Ethylbenzene	19.430	0.50	20.00	0	97.2	80	121	19.89	2.34	20		
Freon-113	19.160	0.50	20.00	0	95.8	47	132	19.00	0.839	20		
Hexachlorobutadiene	22.250	0.50	20.00	0	111	80	132	21.60	2.96	20		
Isopropylbenzene	20.090	0.50	20.00	0	100	59	128	20.09	0	20		
m,p-Xylene	41.270	1.0	40.00	0	103	80	124	41.16	0.267	20		
Methylene chloride	19.290	2.0	20.00	0	96.5	68	126	18.46	4.40	20		
MTBE	19.720	0.50	20.00	0	98.6	65	120	19.44	1.43	20		
n-Butylbenzene	20.840	0.50	20.00	0	104	74	139	20.79	0.240	20		
n-Propylbenzene	19.310	0.50	20.00	0	96.6	80	129	19.64	1.69	20		
Naphthalene	19.470	0.50	20.00	0	97.4	67	123	20.51	5.20	20		

Qualifiers:

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- S Spike/Surrogate outside of limits due to matrix interference

Calculations are based on raw values



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 ELAP Cert 2676 | NV Cert N000922
 ORELAP/NELAP Cert 4046

CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032019
Project: 417 W. 164th, Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: P180911LCSD	SampType: LCSD	TestCode: 8260WATERP Units: µg/L	Prep Date:	RunNo: 127541							
Client ID: LCSS02	Batch ID: P18VW131	TestNo: EPA 8260B	Analysis Date: 9/11/2018	SeqNo: 3136609							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	20.400	0.50	20.00	0	102	80	123	20.10	1.48	20	
sec-Butylbenzene	19.540	0.50	20.00	0	97.7	80	133	19.69	0.765	20	
Styrene	20.770	0.50	20.00	0	104	80	122	21.48	3.36	20	
tert-Butylbenzene	20.170	0.50	20.00	0	101	80	130	19.96	1.05	20	
Tetrachloroethene	19.470	0.50	20.00	0	97.4	80	129	19.91	2.23	20	
Toluene	20.100	0.50	20.00	0	101	80	120	19.57	2.67	20	
trans-1,2-Dichloroethene	19.330	0.50	20.00	0	96.7	75	122	18.04	6.90	20	
Trichloroethene	20.750	0.50	20.00	0	104	80	120	20.68	0.338	20	
Trichlorofluoromethane	19.080	0.50	20.00	0	95.4	71	149	18.41	3.57	20	
Vinyl chloride	16.690	0.50	20.00	0	83.4	53	146	16.65	0.240	20	
Surr: 1,2-Dichloroethane-d4	23.250		25.00		93.0	73	127		0		
Surr: 4-Bromofluorobenzene	25.670		25.00		103	80	120		0		
Surr: Dibromofluoromethane	24.450		25.00		97.8	80	121		0		
Surr: Toluene-d8	24.970		25.00		99.9	80	120		0		

Sample ID: P180911MB3	SampType: MBLK	TestCode: 8260WATERP Units: µg/L	Prep Date:	RunNo: 127541							
Client ID: PBW	Batch ID: P18VW131	TestNo: EPA 8260B	Analysis Date: 9/11/2018	SeqNo: 3136612							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	0.50									
1,1,1-Trichloroethane	ND	0.50									
1,1,2,2-Tetrachloroethane	ND	0.50									
1,1,2-Trichloroethane	ND	0.50									
1,1-Dichloroethane	ND	0.50									
1,1-Dichloroethene	ND	0.50									
1,1-Dichloropropene	ND	0.50									
1,2,3-Trichlorobenzene	ND	0.50									
1,2,3-Trichloropropane	ND	0.50									
1,2,4-Trichlorobenzene	ND	0.50									
1,2,4-Trimethylbenzene	ND	0.50									

Qualifiers:

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Calculations are based on raw values



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CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032019
Project: 417 W. 164th, Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: P180911MB3	SampType: MBLK	TestCode: 8260WATERP Units: µg/L	Prep Date:	RunNo: 127541
Client ID: PBW	Batch ID: P18VW131	TestNo: EPA 8260B	Analysis Date: 9/11/2018	SeqNo: 3136612

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	ND	1.0									
1,2-Dibromoethane	ND	0.50									
1,2-Dichlorobenzene	ND	0.50									
1,2-Dichloroethane	ND	0.50									
1,2-Dichloropropane	ND	0.50									
1,3,5-Trimethylbenzene	ND	0.50									
1,3-Dichlorobenzene	ND	0.50									
1,3-Dichloropropane	ND	0.50									
1,4-Dichlorobenzene	ND	0.50									
2,2-Dichloropropane	ND	0.50									
2-Butanone	ND	5.0									
2-Chlorotoluene	ND	0.50									
4-Chlorotoluene	ND	0.50									
4-Isopropyltoluene	ND	0.50									
Benzene	ND	0.50									
Bromobenzene	ND	0.50									
Bromodichloromethane	ND	0.50									
Bromoform	ND	0.50									
Bromomethane	ND	1.0									
Carbon tetrachloride	ND	0.50									
Chlorobenzene	ND	0.50									
Chloroethane	ND	1.0									
Chloroform	ND	0.50									
Chloromethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
cis-1,3-Dichloropropene	ND	0.50									
Dibromochloromethane	ND	0.50									
Dibromomethane	ND	0.50									
Dichlorodifluoromethane	ND	0.50									
Ethylbenzene	ND	0.50									

Qualifiers:

- | | | |
|---|--|--|
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CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032019
Project: 417 W. 164th, Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: P180911MB3	SampType: MBLK	TestCode: 8260WATERP Units: µg/L	Prep Date:	RunNo: 127541							
Client ID: PBW	Batch ID: P18VW131	TestNo: EPA 8260B	Analysis Date: 9/11/2018	SeqNo: 3136612							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Freon-113	ND	0.50									
Hexachlorobutadiene	ND	0.50									
Isopropylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
Methylene chloride	ND	2.0									
MTBE	ND	0.50									
n-Butylbenzene	ND	0.50									
n-Propylbenzene	ND	0.50									
Naphthalene	ND	0.50									
o-Xylene	ND	0.50									
sec-Butylbenzene	ND	0.50									
Styrene	ND	0.50									
tert-Butylbenzene	ND	0.50									
Tetrachloroethene	ND	0.50									
Toluene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Trichloroethene	ND	0.50									
Trichlorofluoromethane	ND	0.50									
Vinyl chloride	ND	0.50									
Surr: 1,2-Dichloroethane-d4	23.550		25.00		94.2	73	127				
Surr: 4-Bromofluorobenzene	24.810		25.00		99.2	80	120				
Surr: Dibromofluoromethane	24.710		25.00		98.8	80	121				
Surr: Toluene-d8	24.770		25.00		99.1	80	120				

Sample ID: N032033-001AMS	SampType: MS	TestCode: 8260WATERP Units: µg/L	Prep Date:	RunNo: 127541							
Client ID: ZZZZZ	Batch ID: P18VW131	TestNo: EPA 8260B	Analysis Date: 9/11/2018	SeqNo: 3136631							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	20.640	0.50	20.00	0	103	79	123				
1,1,1-Trichloroethane	17.980	0.50	20.00	0	89.9	76	133				

Qualifiers:

- | | | |
|---|--|--|
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CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032019
Project: 417 W. 164th, Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: N032033-001AMS	SampType: MS	TestCode: 8260WATERP	Units: µg/L	Prep Date:	RunNo: 127541						
Client ID: ZZZZZZ	Batch ID: P18VW131	TestNo: EPA 8260B		Analysis Date: 9/11/2018	SeqNo: 3136631						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2,2-Tetrachloroethane	20.680	0.50	20.00	0	103	72	124				
1,1,2-Trichloroethane	20.150	0.50	20.00	0	101	76	120				
1,1-Dichloroethane	17.800	0.50	20.00	0	89.0	67	130				
1,1-Dichloroethene	17.150	0.50	20.00	0	85.8	63	135				
1,1-Dichloropropene	19.630	0.50	20.00	0	98.2	80	139				
1,2,3-Trichlorobenzene	21.920	0.50	20.00	0	110	71	122				
1,2,3-Trichloropropane	19.200	0.50	20.00	0	96.0	69	120				
1,2,4-Trichlorobenzene	22.220	0.50	20.00	0	111	66	125				
1,2,4-Trimethylbenzene	20.640	0.50	20.00	0	103	67	139				
1,2-Dibromo-3-chloropropane	21.950	1.0	20.00	0	110	65	120				
1,2-Dibromoethane	22.740	0.50	20.00	0	114	78	120				
1,2-Dichlorobenzene	20.960	0.50	20.00	0	105	80	120				
1,2-Dichloroethane	19.870	0.50	20.00	0	99.4	78	120				
1,2-Dichloropropane	17.820	0.50	20.00	0	89.1	79	120				
1,3,5-Trimethylbenzene	20.010	0.50	20.00	0	100	57	154				
1,3-Dichlorobenzene	20.250	0.50	20.00	0	101	80	120				
1,3-Dichloropropane	19.800	0.50	20.00	0	99.0	80	120				
1,4-Dichlorobenzene	20.210	0.50	20.00	0	101	80	120				
2,2-Dichloropropane	17.670	0.50	20.00	0	88.4	61	144				
2-Butanone	266.560	5.0	200.0	0	133	9	120				S
2-Chlorotoluene	19.030	0.50	20.00	0	95.2	78	126				
4-Chlorotoluene	19.910	0.50	20.00	0	99.6	80	128				
4-Isopropyltoluene	20.760	0.50	20.00	0	104	78	142				
Benzene	19.080	0.50	20.00	0	95.4	56	145				
Bromobenzene	20.330	0.50	20.00	0	102	80	120				
Bromodichloromethane	21.580	0.50	20.00	1.980	98.0	80	120				
Bromoform	21.910	0.50	20.00	0	110	64	126				
Bromomethane	8.330	1.0	20.00	0	41.6	13	157				
Carbon tetrachloride	20.500	0.50	20.00	0	103	72	143				
Chlorobenzene	19.920	0.50	20.00	0	99.6	80	120				

Qualifiers:

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"Serving Clients with Passion and Professionalism"

CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032019
Project: 417 W. 164th, Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: N032033-001AMS	SampType: MS	TestCode: 8260WATERP Units: µg/L				Prep Date:			RunNo: 127541		
Client ID: ZZZZZZ	Batch ID: P18VW131	TestNo: EPA 8260B				Analysis Date: 9/11/2018			SeqNo: 3136631		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroethane	15.470	1.0	20.00	0	77.4	62	172				
Chloroform	23.380	0.50	20.00	5.970	87.1	73	120				
Chloromethane	14.150	0.50	20.00	0	70.8	33	146				
cis-1,2-Dichloroethene	18.880	0.50	20.00	0	94.4	74	124				
cis-1,3-Dichloropropene	19.440	0.50	20.00	0	97.2	80	123				
Dibromochloromethane	21.920	0.50	20.00	1.310	103	75	126				
Dibromomethane	20.050	0.50	20.00	0	100	79	120				
Dichlorodifluoromethane	18.010	0.50	20.00	0	90.1	29	184				
Ethylbenzene	19.340	0.50	20.00	0	96.7	80	126				
Freon-113	17.720	0.50	20.00	0	88.6	49	135				
Hexachlorobutadiene	21.240	0.50	20.00	0	106	76	136				
Isopropylbenzene	19.860	0.50	20.00	0	99.3	56	135				
m,p-Xylene	40.500	1.0	40.00	0	101	80	130				
Methylene chloride	17.600	2.0	20.00	0	88.0	0	187				
MTBE	19.200	0.50	20.00	0	96.0	61	120				
n-Butylbenzene	19.890	0.50	20.00	0	99.4	67	148				
n-Propylbenzene	19.440	0.50	20.00	0	97.2	80	139				
Naphthalene	18.440	0.50	20.00	0	92.2	54	125				
o-Xylene	19.960	0.50	20.00	0	99.8	80	129				
sec-Butylbenzene	19.260	0.50	20.00	0	96.3	80	144				
Styrene	20.810	0.50	20.00	0	104	33	153				
tert-Butylbenzene	19.620	0.50	20.00	0	98.1	80	140				
Tetrachloroethene	19.060	0.50	20.00	0	95.3	69	146				
Toluene	19.590	0.50	20.00	0	98.0	76	120				
trans-1,2-Dichloroethene	18.600	0.50	20.00	0	93.0	69	128				
Trichloroethene	20.700	0.50	20.00	0	104	72	132				
Trichlorofluoromethane	17.450	0.50	20.00	0	87.2	66	160				
Vinyl chloride	15.340	0.50	20.00	0	76.7	44	159				
Surr: 1,2-Dichloroethane-d4	22.830		25.00		91.3	73	127				
Surr: 4-Bromofluorobenzene	25.170		25.00		101	80	120				

Qualifiers:

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CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032019
Project: 417 W. 164th, Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: N032033-001AMS	SampType: MS	TestCode: 8260WATERP	Units: µg/L	Prep Date:	RunNo: 127541						
Client ID: ZZZZZ	Batch ID: P18VW131	TestNo: EPA 8260B	Analysis Date: 9/11/2018	SeqNo: 3136631							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	24.840		25.00		99.4	80	121				
Surr: Toluene-d8	24.980		25.00		99.9	80	120				

Sample ID: N032033-001AMSD	SampType: MSD	TestCode: 8260WATERP	Units: µg/L	Prep Date:	RunNo: 127541						
Client ID: ZZZZZ	Batch ID: P18VW131	TestNo: EPA 8260B	Analysis Date: 9/11/2018	SeqNo: 3136632							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	21.210	0.50	20.00	0	106	79	123	20.64	2.72	20	
1,1,1-Trichloroethane	19.050	0.50	20.00	0	95.2	76	133	17.98	5.78	20	
1,1,2,2-Tetrachloroethane	20.430	0.50	20.00	0	102	72	124	20.68	1.22	20	
1,1,2-Trichloroethane	20.250	0.50	20.00	0	101	76	120	20.15	0.495	20	
1,1-Dichloroethane	17.990	0.50	20.00	0	90.0	67	130	17.80	1.06	20	
1,1-Dichloroethene	17.620	0.50	20.00	0	88.1	63	135	17.15	2.70	20	
1,1-Dichloropropene	20.580	0.50	20.00	0	103	80	139	19.63	4.73	20	
1,2,3-Trichlorobenzene	23.740	0.50	20.00	0	119	71	122	21.92	7.97	20	
1,2,3-Trichloropropane	18.830	0.50	20.00	0	94.2	69	120	19.20	1.95	20	
1,2,4-Trichlorobenzene	23.910	0.50	20.00	0	120	66	125	22.22	7.33	20	
1,2,4-Trimethylbenzene	21.670	0.50	20.00	0	108	67	139	20.64	4.87	20	
1,2-Dibromo-3-chloropropane	20.100	1.0	20.00	0	101	65	120	21.95	8.80	20	
1,2-Dibromoethane	22.330	0.50	20.00	0	112	78	120	22.74	1.82	20	
1,2-Dichlorobenzene	21.420	0.50	20.00	0	107	80	120	20.96	2.17	20	
1,2-Dichloroethane	19.180	0.50	20.00	0	95.9	78	120	19.87	3.53	20	
1,2-Dichloropropane	18.270	0.50	20.00	0	91.4	79	120	17.82	2.49	20	
1,3,5-Trimethylbenzene	21.150	0.50	20.00	0	106	57	154	20.01	5.54	20	
1,3-Dichlorobenzene	21.010	0.50	20.00	0	105	80	120	20.25	3.68	20	
1,3-Dichloropropane	19.450	0.50	20.00	0	97.3	80	120	19.80	1.78	20	
1,4-Dichlorobenzene	21.140	0.50	20.00	0	106	80	120	20.21	4.50	20	
2,2-Dichloropropane	18.060	0.50	20.00	0	90.3	61	144	17.67	2.18	20	
2-Butanone	254.670	5.0	200.0	0	127	9	120	266.6	4.56	20	S
2-Chlorotoluene	19.820	0.50	20.00	0	99.1	78	126	19.03	4.07	20	

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference

Calculations are based on raw values



ASSET LABORATORIES
ANALYTICAL SERVICES FOR THE ENVIRONMENTAL INDUSTRY

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"Serving Clients with Passion and Professionalism"

CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032019
Project: 417 W. 164th, Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: N032033-001AMSD	SampType: MSD	TestCode: 8260WATERP Units: µg/L				Prep Date:			RunNo: 127541		
Client ID: ZZZZZZ	Batch ID: P18VW131	TestNo: EPA 8260B				Analysis Date: 9/11/2018			SeqNo: 3136632		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chlorotoluene	20.590	0.50	20.00	0	103	80	128	19.91	3.36	20	
4-Isopropyltoluene	22.050	0.50	20.00	0	110	78	142	20.76	6.03	20	
Benzene	19.280	0.50	20.00	0	96.4	56	145	19.08	1.04	20	
Bromobenzene	20.340	0.50	20.00	0	102	80	120	20.33	0.0492	20	
Bromodichloromethane	21.650	0.50	20.00	1.980	98.4	80	120	21.58	0.324	20	
Bromoform	21.540	0.50	20.00	0	108	64	126	21.91	1.70	20	
Bromomethane	9.710	1.0	20.00	0	48.6	13	157	8.330	15.3	20	
Carbon tetrachloride	21.530	0.50	20.00	0	108	72	143	20.50	4.90	20	
Chlorobenzene	20.620	0.50	20.00	0	103	80	120	19.92	3.45	20	
Chloroethane	15.880	1.0	20.00	0	79.4	62	172	15.47	2.62	20	
Chloroform	23.580	0.50	20.00	5.970	88.0	73	120	23.38	0.852	20	
Chloromethane	15.170	0.50	20.00	0	75.8	33	146	14.15	6.96	20	
cis-1,2-Dichloroethene	19.540	0.50	20.00	0	97.7	74	124	18.88	3.44	20	
cis-1,3-Dichloropropene	19.360	0.50	20.00	0	96.8	80	123	19.44	0.412	20	
Dibromochloromethane	22.710	0.50	20.00	1.310	107	75	126	21.92	3.54	20	
Dibromomethane	20.100	0.50	20.00	0	101	79	120	20.05	0.249	20	
Dichlorodifluoromethane	19.740	0.50	20.00	0	98.7	29	184	18.01	9.17	20	
Ethylbenzene	19.840	0.50	20.00	0	99.2	80	126	19.34	2.55	20	
Freon-113	19.190	0.50	20.00	0	96.0	49	135	17.72	7.97	20	
Hexachlorobutadiene	22.790	0.50	20.00	0	114	76	136	21.24	7.04	20	
Isopropylbenzene	20.890	0.50	20.00	0	104	56	135	19.86	5.06	20	
m,p-Xylene	42.310	1.0	40.00	0	106	80	130	40.50	4.37	20	
Methylene chloride	18.610	2.0	20.00	0	93.0	0	187	17.60	5.58	20	
MTBE	19.140	0.50	20.00	0	95.7	61	120	19.20	0.313	20	
n-Butylbenzene	21.490	0.50	20.00	0	107	67	148	19.89	7.73	20	
n-Propylbenzene	20.270	0.50	20.00	0	101	80	139	19.44	4.18	20	
Naphthalene	20.090	0.50	20.00	0	100	54	125	18.44	8.56	20	
o-Xylene	20.850	0.50	20.00	0	104	80	129	19.96	4.36	20	
sec-Butylbenzene	20.460	0.50	20.00	0	102	80	144	19.26	6.04	20	
Styrene	21.660	0.50	20.00	0	108	33	153	20.81	4.00	20	

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference

Calculations are based on raw values



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"Serving Clients with Passion and Professionalism"

CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032019
Project: 417 W. 164th, Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: N032033-001AMSD		SampType: MSD		TestCode: 8260WATERP Units: µg/L			Prep Date:		RunNo: 127541		
Client ID: ZZZZZZ		Batch ID: P18VW131		TestNo: EPA 8260B			Analysis Date: 9/11/2018		SeqNo: 3136632		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
tert-Butylbenzene	20.950	0.50	20.00	0	105	80	140	19.62	6.56	20	
Tetrachloroethene	20.800	0.50	20.00	0	104	69	146	19.06	8.73	20	
Toluene	20.170	0.50	20.00	0	101	76	120	19.59	2.92	20	
trans-1,2-Dichloroethene	18.990	0.50	20.00	0	95.0	69	128	18.60	2.08	20	
Trichloroethene	21.260	0.50	20.00	0	106	72	132	20.70	2.67	20	
Trichlorofluoromethane	18.790	0.50	20.00	0	94.0	66	160	17.45	7.40	20	
Vinyl chloride	15.750	0.50	20.00	0	78.8	44	159	15.34	2.64	20	
Surr: 1,2-Dichloroethane-d4	22.520		25.00		90.1	73	127		0		
Surr: 4-Bromofluorobenzene	25.690		25.00		103	80	120		0		
Surr: Dibromofluoromethane	23.810		25.00		95.2	80	121		0		
Surr: Toluene-d8	24.910		25.00		99.6	80	120		0		

Qualifiers:

- | | | |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |

Calculations are based on raw values



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www.assetlaboratories.com

N032019

Page 1 of 1

Client: Leymaster Env Con		Report to: LEC		Bill to: LEC		EDD Requirement		QA/QC		Sample Receipt Condition	
Address: 5700 E. Atherton St #210		Company:		Address:		Excel EDD <input type="checkbox"/>		RTNE <input checked="" type="checkbox"/>		Y N	
Address: Long Beach, CA 90815		Email: Charles@leymaster.net		Email to:		Geotracker <input type="checkbox"/>		RWQCB <input type="checkbox"/>		1. Chilled <input checked="" type="checkbox"/>	
Phone: 562-799-9866		Address:		PO#		Labspec <input type="checkbox"/>		CaTrans <input type="checkbox"/>		2. Headspace <input type="checkbox"/>	
Submitted by: Charles Lindeman		Address:		Phone:		Others <input type="checkbox"/>		Level III <input type="checkbox"/>		3. Container Intact <input checked="" type="checkbox"/>	
Title:		Phone:		Fax:		Specify:		LEVEL IV <input type="checkbox"/>		4. Seal Present <input type="checkbox"/>	
Signature: Charles Lindeman		Date: 9/10/18		Sampler's Signature and Date: Charles Lindeman 9/10/18		Global ID:		Regulatory <input type="checkbox"/>		5. IR number 2	
Project Name: 417W. 164th		I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.		Sampler's Name: Charles Lindeman		Matrix		Specify State:		6. Method of Cooling Ice	
Project Number: Carson, CA		Surface <input type="checkbox"/>		Ground <input checked="" type="checkbox"/>		Analyses Requested		Sample Temp: 37°C		Courier: 650	
		Potable <input type="checkbox"/>		Soil <input type="checkbox"/>		8260B VOCs		Turn Around Time		Tracking No: 9374	
		NPDES <input type="checkbox"/>		Other Solid <input type="checkbox"/>				No. of container		Container Type	
		Surface <input type="checkbox"/>									

Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others	Remarks
1	N032019-01	Influent	9/10/18	905	✓			E3VH
2								
3	-02	Effluent	9/10/18	900	✓			E3VH
4								
5								
6								
7								
8								
9								
10								

Requisitioned by (Signature and Printed Name): Charles Lindeman	Date / Time: 9/10/18 10:12	Received by (Signature and Printed Name): M. Marks	Date / Time: 9/10/18 10:12	Turn Around Time (TAT) <input type="checkbox"/> A < 24 Hrs or Same Day TAT <input type="checkbox"/> B = Next Workday <input type="checkbox"/> C = 2 Workdays <input type="checkbox"/> D = 3 Workdays <input checked="" type="checkbox"/> E = Routine 5-7 Workdays TAT Starts at 8 AM the following day if samples received after 3:00 PM.	Special instruction: PQLS
Requisitioned by (Signature and Printed Name): M. Marks	Date / Time: 9/10/18 10:12	Received by (Signature and Printed Name): Y. Rodriguez	Date / Time: 9/11/18 8:25am		
Requisitioned by (Signature and Printed Name):	Date / Time:	Received by (Signature and Printed Name):	Date / Time:		

Terms:
1. All samples will be disposed in 45 days upon receipt and records will be destroyed in 5 years upon submission of final report.
2. Regular TAT is 5-7 business days, surcharges will apply for rush analysis:
Less than 24 Hrs = 200% Next Day = 300% 2 Workdays = 50% 3 Workdays = 35% 4 Workdays = 30%
3. Custom EDD formats will be an additional 3% of the total project price.
4. Add 10% surcharge for Level III Data Packages, 15% for Level IV Data Packages. Surcharges applied on total project price.

5. Trip Blanks and Equipment Blanks are billable samples.
6. ASSET Laboratories is not responsible for samples collected using incorrect methodology.
7. Turnes are net 30 Days.
8. All reports are submitted in electronic format. Please inform ASSET Laboratories if hard copy of report is needed.
9. For subcontract analysis, TAT and Surcharges will vary.

Preservatives:
H = HCl N = HNO3 S = H2SO4 C = 4°C
Z = Zn(Ac)2 O = NaOH T = Na2S2O3

Container Type:
T = Tube V = VOA P = Pint
J = Jar B = Tedlar G = Glass
M = Metal P = Plastic C = Can

ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On: 9/10/2018 10:12:00 Workorder: N032019
 Rep sample Temp (Deg C): 3.7 IR Gun ID: 2
 Temp Blank: Yes No
 Carrier name: Golden State Overnight
 Last 4 digits of Tracking No.: 9774 Packing Material Used: Bubble Wrap
 Cooling process: Ice Ice Pack Dry Ice Other None

Sample Receipt Checklist

- | | | | |
|---|---|-----------------------------|---|
| 1. Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 16. Were there Non-Conformance issues at login?
Was Client notified? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Comments:

Checklist Completed By: YR  9/11/2018

Reviewed By:  9/12/2018

ASSET Laboratories

WORK ORDER Summary

10-Sep-18

WorkOrder: N032019

Client ID: LEYEN01

Project: 417 W. 164th, Carson, CA

QC Level: RTNE

Date Received: 9/10/2018

Comments: PQLs

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N032019-001A	Influent	9/10/2018 9:05:00 AM	9/17/2018	Groundwater	EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N032019-002A	Effluent	9/10/2018 9:00:00 AM	9/17/2018		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N032019-003A	FOLDER	9/17/2018	9/17/2018		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			9/17/2018		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB

October 22, 2018

Charles F. Lindeman
Leymaster Environmental Consulting, LLC
5500 East Atherton Street, Suite 210
Long Beach, CA 90815

TEL: (562) 799-9866

FAX: (562) 799-1963

Workorder No.: N032456

RE: 417 W. 164th St. Carson, CA

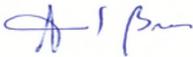
Attention: Charles F. Lindeman

Enclosed are the results for sample(s) received on October 11, 2018 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (702) 307-2659 or Molky Brar at (562)-881-3622 if we can be of further assistance to your company.

Sincerely,



Molky Brar
Project Manager



Quennie Manintim
Laboratory Director



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CLIENT: Leymaster Environmental Consulting, LLC
Project: 417 W. 164th St. Carson, CA
Lab Order: N032456

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.



CLIENT: Leymaster Environmental Consulting, LLC
Project: 417 W. 164th St. Carson, CA
Lab Order: N032456
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N032456-001A	Influent	Groundwater	10/11/2018 1:20:00 PM	10/11/2018	10/22/2018
N032456-002A	Effluent	Groundwater	10/11/2018 1:25:00 PM	10/11/2018	10/22/2018



ASSET Laboratories

ANALYTICAL RESULTS

Print Date: 22-Oct-18

CLIENT:	Leymaster Environmental Consulting, LLC	Client Sample ID:	Influent
Lab Order:	N032456	Collection Date:	10/11/2018 1:20:00 PM
Project:	417 W. 164th St. Carson, CA	Matrix:	GROUNDWATER
Lab ID:	N032456-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	QC Batch:	CA18VW032	PrepDate:	Analyst:	GAC
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1	10/11/2018 03:12 PM
1,1,1-Trichloroethane	ND	0.50	µg/L	1	10/11/2018 03:12 PM
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1	10/11/2018 03:12 PM
1,1,2-Trichloroethane	ND	0.50	µg/L	1	10/11/2018 03:12 PM
1,1-Dichloroethane	1.1	0.50	µg/L	1	10/11/2018 03:12 PM
1,1-Dichloroethene	4.8	0.50	µg/L	1	10/11/2018 03:12 PM
1,1-Dichloropropene	ND	0.50	µg/L	1	10/11/2018 03:12 PM
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1	10/11/2018 03:12 PM
1,2,3-Trichloropropane	ND	0.50	µg/L	1	10/11/2018 03:12 PM
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1	10/11/2018 03:12 PM
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1	10/11/2018 03:12 PM
1,2-Dibromo-3-chloropropane	ND	1.0	µg/L	1	10/11/2018 03:12 PM
1,2-Dibromoethane	ND	0.50	µg/L	1	10/11/2018 03:12 PM
1,2-Dichlorobenzene	ND	0.50	µg/L	1	10/11/2018 03:12 PM
1,2-Dichloroethane	ND	0.50	µg/L	1	10/11/2018 03:12 PM
1,2-Dichloropropane	ND	0.50	µg/L	1	10/11/2018 03:12 PM
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1	10/11/2018 03:12 PM
1,3-Dichlorobenzene	ND	0.50	µg/L	1	10/11/2018 03:12 PM
1,3-Dichloropropane	ND	0.50	µg/L	1	10/11/2018 03:12 PM
1,4-Dichlorobenzene	ND	0.50	µg/L	1	10/11/2018 03:12 PM
2,2-Dichloropropane	ND	0.50	µg/L	1	10/11/2018 03:12 PM
2-Butanone	ND	5.0	µg/L	1	10/11/2018 03:12 PM
2-Chlorotoluene	ND	0.50	µg/L	1	10/11/2018 03:12 PM
4-Chlorotoluene	ND	0.50	µg/L	1	10/11/2018 03:12 PM
4-Isopropyltoluene	ND	0.50	µg/L	1	10/11/2018 03:12 PM
Benzene	ND	0.50	µg/L	1	10/11/2018 03:12 PM
Bromobenzene	ND	0.50	µg/L	1	10/11/2018 03:12 PM
Bromodichloromethane	ND	0.50	µg/L	1	10/11/2018 03:12 PM
Bromoform	ND	0.50	µg/L	1	10/11/2018 03:12 PM
Bromomethane	ND	1.0	µg/L	1	10/11/2018 03:12 PM
Carbon tetrachloride	ND	0.50	µg/L	1	10/11/2018 03:12 PM
Chlorobenzene	ND	0.50	µg/L	1	10/11/2018 03:12 PM
Chloroethane	ND	1.0	µg/L	1	10/11/2018 03:12 PM
Chloroform	0.54	0.50	µg/L	1	10/11/2018 03:12 PM
Chloromethane	ND	0.50	µg/L	1	10/11/2018 03:12 PM
cis-1,2-Dichloroethene	4.2	0.50	µg/L	1	10/11/2018 03:12 PM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
DO Surrogate Diluted Out



ASSET LABORATORIES
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ANALYTICAL RESULTS

Print Date: 22-Oct-18

CLIENT:	Leymaster Environmental Consulting, LLC	Client Sample ID:	Influent
Lab Order:	N032456	Collection Date:	10/11/2018 1:20:00 PM
Project:	417 W. 164th St. Carson, CA	Matrix:	GROUNDWATER
Lab ID:	N032456-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	QC Batch:	CA18VW032	PrepDate:	Analyst:	GAC
cis-1,3-Dichloropropene	ND	0.50	µg/L	1	10/11/2018 03:12 PM
Dibromochloromethane	ND	0.50	µg/L	1	10/11/2018 03:12 PM
Dibromomethane	ND	0.50	µg/L	1	10/11/2018 03:12 PM
Dichlorodifluoromethane	ND	0.50	µg/L	1	10/11/2018 03:12 PM
Ethylbenzene	ND	0.50	µg/L	1	10/11/2018 03:12 PM
Freon-113	1.2	0.50	µg/L	1	10/11/2018 03:12 PM
Hexachlorobutadiene	ND	0.50	µg/L	1	10/11/2018 03:12 PM
Isopropylbenzene	ND	0.50	µg/L	1	10/11/2018 03:12 PM
m,p-Xylene	ND	1.0	µg/L	1	10/11/2018 03:12 PM
Methylene chloride	ND	2.0	µg/L	1	10/11/2018 03:12 PM
MTBE	26	0.50	µg/L	1	10/11/2018 03:12 PM
n-Butylbenzene	ND	0.50	µg/L	1	10/11/2018 03:12 PM
n-Propylbenzene	ND	0.50	µg/L	1	10/11/2018 03:12 PM
Naphthalene	ND	0.50	µg/L	1	10/11/2018 03:12 PM
o-Xylene	ND	0.50	µg/L	1	10/11/2018 03:12 PM
sec-Butylbenzene	ND	0.50	µg/L	1	10/11/2018 03:12 PM
Styrene	ND	0.50	µg/L	1	10/11/2018 03:12 PM
tert-Butylbenzene	ND	0.50	µg/L	1	10/11/2018 03:12 PM
Tetrachloroethene	92	0.50	µg/L	1	10/11/2018 03:12 PM
Toluene	ND	0.50	µg/L	1	10/11/2018 03:12 PM
trans-1,2-Dichloroethene	ND	0.50	µg/L	1	10/11/2018 03:12 PM
Trichloroethene	22	0.50	µg/L	1	10/11/2018 03:12 PM
Trichlorofluoromethane	1.1	0.50	µg/L	1	10/11/2018 03:12 PM
Vinyl chloride	ND	0.50	µg/L	1	10/11/2018 03:12 PM
Surr: 1,2-Dichloroethane-d4	100	75-130	%REC	1	10/11/2018 03:12 PM
Surr: 4-Bromofluorobenzene	94.4	80-120	%REC	1	10/11/2018 03:12 PM
Surr: Dibromofluoromethane	106	80-128	%REC	1	10/11/2018 03:12 PM
Surr: Toluene-d8	95.9	80-120	%REC	1	10/11/2018 03:12 PM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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ANALYTICAL RESULTS

Print Date: 22-Oct-18

CLIENT:	Leymaster Environmental Consulting, LLC	Client Sample ID:	Effluent
Lab Order:	N032456	Collection Date:	10/11/2018 1:25:00 PM
Project:	417 W. 164th St. Carson, CA	Matrix:	GROUNDWATER
Lab ID:	N032456-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	QC Batch:	CA18VW032	PrepDate:	Analyst:	GAC
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1	10/11/2018 02:48 PM
1,1,1-Trichloroethane	ND	0.50	µg/L	1	10/11/2018 02:48 PM
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1	10/11/2018 02:48 PM
1,1,2-Trichloroethane	ND	0.50	µg/L	1	10/11/2018 02:48 PM
1,1-Dichloroethane	1.3	0.50	µg/L	1	10/11/2018 02:48 PM
1,1-Dichloroethene	8.1	0.50	µg/L	1	10/11/2018 02:48 PM
1,1-Dichloropropene	ND	0.50	µg/L	1	10/11/2018 02:48 PM
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1	10/11/2018 02:48 PM
1,2,3-Trichloropropane	ND	0.50	µg/L	1	10/11/2018 02:48 PM
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1	10/11/2018 02:48 PM
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1	10/11/2018 02:48 PM
1,2-Dibromo-3-chloropropane	ND	1.0	µg/L	1	10/11/2018 02:48 PM
1,2-Dibromoethane	ND	0.50	µg/L	1	10/11/2018 02:48 PM
1,2-Dichlorobenzene	ND	0.50	µg/L	1	10/11/2018 02:48 PM
1,2-Dichloroethane	ND	0.50	µg/L	1	10/11/2018 02:48 PM
1,2-Dichloropropane	ND	0.50	µg/L	1	10/11/2018 02:48 PM
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1	10/11/2018 02:48 PM
1,3-Dichlorobenzene	ND	0.50	µg/L	1	10/11/2018 02:48 PM
1,3-Dichloropropane	ND	0.50	µg/L	1	10/11/2018 02:48 PM
1,4-Dichlorobenzene	ND	0.50	µg/L	1	10/11/2018 02:48 PM
2,2-Dichloropropane	ND	0.50	µg/L	1	10/11/2018 02:48 PM
2-Butanone	ND	5.0	µg/L	1	10/11/2018 02:48 PM
2-Chlorotoluene	ND	0.50	µg/L	1	10/11/2018 02:48 PM
4-Chlorotoluene	ND	0.50	µg/L	1	10/11/2018 02:48 PM
4-Isopropyltoluene	ND	0.50	µg/L	1	10/11/2018 02:48 PM
Benzene	ND	0.50	µg/L	1	10/11/2018 02:48 PM
Bromobenzene	ND	0.50	µg/L	1	10/11/2018 02:48 PM
Bromodichloromethane	ND	0.50	µg/L	1	10/11/2018 02:48 PM
Bromoform	ND	0.50	µg/L	1	10/11/2018 02:48 PM
Bromomethane	ND	1.0	µg/L	1	10/11/2018 02:48 PM
Carbon tetrachloride	ND	0.50	µg/L	1	10/11/2018 02:48 PM
Chlorobenzene	ND	0.50	µg/L	1	10/11/2018 02:48 PM
Chloroethane	ND	1.0	µg/L	1	10/11/2018 02:48 PM
Chloroform	0.67	0.50	µg/L	1	10/11/2018 02:48 PM
Chloromethane	ND	0.50	µg/L	1	10/11/2018 02:48 PM
cis-1,2-Dichloroethene	6.8	0.50	µg/L	1	10/11/2018 02:48 PM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
DO Surrogate Diluted Out



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ANALYTICAL RESULTS

Print Date: 22-Oct-18

CLIENT:	Leymaster Environmental Consulting, LLC	Client Sample ID:	Effluent
Lab Order:	N032456	Collection Date:	10/11/2018 1:25:00 PM
Project:	417 W. 164th St. Carson, CA	Matrix:	GROUNDWATER
Lab ID:	N032456-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	QC Batch:	CA18VW032	PrepDate:	Analyst:	GAC
cis-1,3-Dichloropropene	ND	0.50	µg/L	1	10/11/2018 02:48 PM
Dibromochloromethane	ND	0.50	µg/L	1	10/11/2018 02:48 PM
Dibromomethane	ND	0.50	µg/L	1	10/11/2018 02:48 PM
Dichlorodifluoromethane	ND	0.50	µg/L	1	10/11/2018 02:48 PM
Ethylbenzene	ND	0.50	µg/L	1	10/11/2018 02:48 PM
Freon-113	1.4	0.50	µg/L	1	10/11/2018 02:48 PM
Hexachlorobutadiene	ND	0.50	µg/L	1	10/11/2018 02:48 PM
Isopropylbenzene	ND	0.50	µg/L	1	10/11/2018 02:48 PM
m,p-Xylene	ND	1.0	µg/L	1	10/11/2018 02:48 PM
Methylene chloride	ND	2.0	µg/L	1	10/11/2018 02:48 PM
MTBE	ND	0.50	µg/L	1	10/11/2018 02:48 PM
n-Butylbenzene	ND	0.50	µg/L	1	10/11/2018 02:48 PM
n-Propylbenzene	ND	0.50	µg/L	1	10/11/2018 02:48 PM
Naphthalene	ND	0.50	µg/L	1	10/11/2018 02:48 PM
o-Xylene	ND	0.50	µg/L	1	10/11/2018 02:48 PM
sec-Butylbenzene	ND	0.50	µg/L	1	10/11/2018 02:48 PM
Styrene	ND	0.50	µg/L	1	10/11/2018 02:48 PM
tert-Butylbenzene	ND	0.50	µg/L	1	10/11/2018 02:48 PM
Tetrachloroethene	3.9	0.50	µg/L	1	10/11/2018 02:48 PM
Toluene	ND	0.50	µg/L	1	10/11/2018 02:48 PM
trans-1,2-Dichloroethene	ND	0.50	µg/L	1	10/11/2018 02:48 PM
Trichloroethene	19	0.50	µg/L	1	10/11/2018 02:48 PM
Trichlorofluoromethane	1.9	0.50	µg/L	1	10/11/2018 02:48 PM
Vinyl chloride	ND	0.50	µg/L	1	10/11/2018 02:48 PM
Surr: 1,2-Dichloroethane-d4	96.9	75-130	%REC	1	10/11/2018 02:48 PM
Surr: 4-Bromofluorobenzene	93.6	80-120	%REC	1	10/11/2018 02:48 PM
Surr: Dibromofluoromethane	105	80-128	%REC	1	10/11/2018 02:48 PM
Surr: Toluene-d8	99.1	80-120	%REC	1	10/11/2018 02:48 PM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032456
Project: 417 W. 164th St. Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: CA181011-LCS	SampType: LCS	TestCode: 8260WATERP	Units: µg/L	Prep Date:	RunNo: 129208						
Client ID: LCSW	Batch ID: CA18VW032	TestNo: EPA 8260B	Analysis Date: 10/11/2018	SeqNo: 3170389							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	22.110	0.50	20.00	0	111	80	120				
1,1,1-Trichloroethane	22.390	0.50	20.00	0	112	76	128				
1,1,2,2-Tetrachloroethane	19.700	0.50	20.00	0	98.5	79	124				
1,1,2-Trichloroethane	21.080	0.50	20.00	0	105	80	120				
1,1-Dichloroethane	18.710	0.50	20.00	0	93.6	68	133				
1,1-Dichloroethene	18.570	0.50	20.00	0	92.8	63	132				
1,1-Dichloropropene	21.310	0.50	20.00	0	107	80	127				
1,2,3-Trichlorobenzene	19.380	0.50	20.00	0	96.9	80	120				
1,2,3-Trichloropropane	19.830	0.50	20.00	0	99.2	80	120				
1,2,4-Trichlorobenzene	18.830	0.50	20.00	0	94.2	80	120				
1,2,4-Trimethylbenzene	20.400	0.50	20.00	0	102	80	123				
1,2-Dibromo-3-chloropropane	25.220	1.0	20.00	0	126	71	128				
1,2-Dibromoethane	21.240	0.50	20.00	0	106	80	120				
1,2-Dichlorobenzene	18.990	0.50	20.00	0	95.0	80	120				
1,2-Dichloroethane	19.350	0.50	20.00	0	96.8	80	120				
1,2-Dichloropropane	20.740	0.50	20.00	0	104	80	120				
1,3,5-Trimethylbenzene	20.700	0.50	20.00	0	104	80	125				
1,3-Dichlorobenzene	19.820	0.50	20.00	0	99.1	80	120				
1,3-Dichloropropane	20.920	0.50	20.00	0	105	80	120				
1,4-Dichlorobenzene	19.260	0.50	20.00	0	96.3	80	120				
2,2-Dichloropropane	23.980	0.50	20.00	0	120	66	139				
2-Butanone	199.290	5.0	200.0	0	99.6	55	150				
2-Chlorotoluene	19.090	0.50	20.00	0	95.4	83	120				
4-Chlorotoluene	19.900	0.50	20.00	0	99.5	80	121				
4-Isopropyltoluene	20.280	0.50	20.00	0	101	80	126				
Benzene	19.330	0.50	20.00	0	96.7	80	120				
Bromobenzene	20.350	0.50	20.00	0	102	80	120				
Bromodichloromethane	18.610	0.50	20.00	0	93.0	80	120				
Bromoform	22.200	0.50	20.00	0	111	67	133				

Qualifiers:

- B Analyte detected in the associated Method Blank
 - E Value above quantitation range
 - H Holding times for preparation or analysis exceeded
 - ND Not Detected at the Reporting Limit
 - R RPD outside accepted recovery limits
 - S Spike/Surrogate outside of limits due to matrix interference
- Calculations are based on raw values



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"Serving Clients with Passion and Professionalism"

CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032456
Project: 417 W. 164th St. Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: CA181011-LCS	SampType: LCS	TestCode: 8260WATERP Units: µg/L				Prep Date:			RunNo: 129208		
Client ID: LCSW	Batch ID: CA18VW032	TestNo: EPA 8260B				Analysis Date: 10/11/2018			SeqNo: 3170389		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	22.730	1.0	20.00	0	114	35	164				
Carbon tetrachloride	22.580	0.50	20.00	0	113	77	135				
Chlorobenzene	20.490	0.50	20.00	0	102	80	120				
Chloroethane	23.530	1.0	20.00	0	118	60	154				
Chloroform	19.230	0.50	20.00	0	96.2	75	120				
Chloromethane	22.930	0.50	20.00	0	115	59	140				
cis-1,2-Dichloroethene	19.340	0.50	20.00	0	96.7	78	120				
cis-1,3-Dichloropropene	22.110	0.50	20.00	0	111	80	120				
Dibromochloromethane	19.650	0.50	20.00	0	98.2	79	123				
Dibromomethane	20.120	0.50	20.00	0	101	80	120				
Dichlorodifluoromethane	26.760	0.50	20.00	0	134	57	147				
Ethylbenzene	19.250	0.50	20.00	0	96.2	80	120				
Freon-113	17.530	0.50	20.00	0	87.6	52	149				
Hexachlorobutadiene	19.570	0.50	20.00	0	97.9	73	125				
Isopropylbenzene	19.720	0.50	20.00	0	98.6	68	129				
m,p-Xylene	39.840	1.0	40.00	0	99.6	80	120				
Methylene chloride	21.720	2.0	20.00	0	109	68	134				
MTBE	21.570	0.50	20.00	0	108	67	129				
n-Butylbenzene	19.770	0.50	20.00	0	98.8	79	130				
n-Propylbenzene	20.440	0.50	20.00	0	102	80	128				
Naphthalene	19.520	0.50	20.00	0	97.6	62	126				
o-Xylene	19.430	0.50	20.00	0	97.2	80	120				
sec-Butylbenzene	20.530	0.50	20.00	0	103	80	129				
Styrene	19.090	0.50	20.00	0	95.4	80	120				
tert-Butylbenzene	21.320	0.50	20.00	0	107	80	125				
Tetrachloroethene	20.370	0.50	20.00	0	102	78	123				
Toluene	19.670	0.50	20.00	0	98.4	80	120				
trans-1,2-Dichloroethene	19.670	0.50	20.00	0	98.4	75	125				
Trichloroethene	20.850	0.50	20.00	0	104	80	120				
Trichlorofluoromethane	21.070	0.50	20.00	0	105	64	147				

Qualifiers:

- | | | |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |

Calculations are based on raw values



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“Serving Clients with Passion and Professionalism”

CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032456
Project: 417 W. 164th St. Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: CA181011-LCS	SampType: LCS	TestCode: 8260WATERP	Units: µg/L	Prep Date:	RunNo: 129208						
Client ID: LCSW	Batch ID: CA18VW032	TestNo: EPA 8260B		Analysis Date: 10/11/2018	SeqNo: 3170389						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	21.780	0.50	20.00	0	109	66	140				
Surr: 1,2-Dichloroethane-d4	24.340		25.00		97.4	75	130				
Surr: 4-Bromofluorobenzene	23.650		25.00		94.6	80	120				
Surr: Dibromofluoromethane	25.180		25.00		101	80	128				
Surr: Toluene-d8	25.010		25.00		100	80	120				

Sample ID: CA181011-LCSD	SampType: LCSD	TestCode: 8260WATERP	Units: µg/L	Prep Date:	RunNo: 129208						
Client ID: LCSS02	Batch ID: CA18VW032	TestNo: EPA 8260B		Analysis Date: 10/11/2018	SeqNo: 3170390						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	22.690	0.50	20.00	0	113	80	120	22.11	2.59	20	
1,1,1-Trichloroethane	22.300	0.50	20.00	0	112	76	128	22.39	0.403	20	
1,1,2,2-Tetrachloroethane	18.460	0.50	20.00	0	92.3	79	124	19.70	6.50	20	
1,1,2-Trichloroethane	19.520	0.50	20.00	0	97.6	80	120	21.08	7.68	20	
1,1-Dichloroethane	19.310	0.50	20.00	0	96.6	68	133	18.71	3.16	20	
1,1-Dichloroethene	17.160	0.50	20.00	0	85.8	63	132	18.57	7.89	20	
1,1-Dichloropropene	20.410	0.50	20.00	0	102	80	127	21.31	4.31	20	
1,2,3-Trichlorobenzene	18.320	0.50	20.00	0	91.6	80	120	19.38	5.62	20	
1,2,3-Trichloropropane	19.210	0.50	20.00	0	96.0	80	120	19.83	3.18	20	
1,2,4-Trichlorobenzene	17.310	0.50	20.00	0	86.6	80	120	18.83	8.41	20	
1,2,4-Trimethylbenzene	20.290	0.50	20.00	0	101	80	123	20.40	0.541	20	
1,2-Dibromo-3-chloropropane	25.040	1.0	20.00	0	125	71	128	25.22	0.716	20	
1,2-Dibromoethane	20.640	0.50	20.00	0	103	80	120	21.24	2.87	20	
1,2-Dichlorobenzene	18.650	0.50	20.00	0	93.3	80	120	18.99	1.81	20	
1,2-Dichloroethane	18.310	0.50	20.00	0	91.6	80	120	19.35	5.52	20	
1,2-Dichloropropane	19.050	0.50	20.00	0	95.2	80	120	20.74	8.49	20	
1,3,5-Trimethylbenzene	20.080	0.50	20.00	0	100	80	125	20.70	3.04	20	
1,3-Dichlorobenzene	19.330	0.50	20.00	0	96.7	80	120	19.82	2.50	20	
1,3-Dichloropropane	19.850	0.50	20.00	0	99.2	80	120	20.92	5.25	20	
1,4-Dichlorobenzene	19.190	0.50	20.00	0	96.0	80	120	19.26	0.364	20	

Qualifiers:

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- E Value above quantitation range
- R RPD outside accepted recovery limits
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Calculations are based on raw values



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ELAP Cert 2676 | NV Cert N00922
ORELAP/NELAP Cert 4046

"Serving Clients with Passion and Professionalism"

CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032456
Project: 417 W. 164th St. Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: CA181011-LCSD	SampType: LCSD	TestCode: 8260WATERP Units: µg/L				Prep Date:			RunNo: 129208		
Client ID: LCSS02	Batch ID: CA18VW032	TestNo: EPA 8260B				Analysis Date: 10/11/2018			SeqNo: 3170390		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	22.910	0.50	20.00	0	115	66	139	23.98	4.56	20	
2-Butanone	184.430	5.0	200.0	0	92.2	55	150	199.3	7.75	20	
2-Chlorotoluene	19.150	0.50	20.00	0	95.8	83	120	19.09	0.314	20	
4-Chlorotoluene	19.240	0.50	20.00	0	96.2	80	121	19.90	3.37	20	
4-Isopropyltoluene	19.870	0.50	20.00	0	99.4	80	126	20.28	2.04	20	
Benzene	19.020	0.50	20.00	0	95.1	80	120	19.33	1.62	20	
Bromobenzene	19.190	0.50	20.00	0	96.0	80	120	20.35	5.87	20	
Bromodichloromethane	18.310	0.50	20.00	0	91.6	80	120	18.61	1.63	20	
Bromoform	21.980	0.50	20.00	0	110	67	133	22.20	0.996	20	
Bromomethane	21.960	1.0	20.00	0	110	35	164	22.73	3.45	20	
Carbon tetrachloride	21.960	0.50	20.00	0	110	77	135	22.58	2.78	20	
Chlorobenzene	20.140	0.50	20.00	0	101	80	120	20.49	1.72	20	
Chloroethane	21.390	1.0	20.00	0	107	60	154	23.53	9.53	20	
Chloroform	17.890	0.50	20.00	0	89.4	75	120	19.23	7.22	20	
Chloromethane	21.780	0.50	20.00	0	109	59	140	22.93	5.14	20	
cis-1,2-Dichloroethene	18.410	0.50	20.00	0	92.0	78	120	19.34	4.93	20	
cis-1,3-Dichloropropene	22.600	0.50	20.00	0	113	80	120	22.11	2.19	20	
Dibromochloromethane	19.600	0.50	20.00	0	98.0	79	123	19.65	0.255	20	
Dibromomethane	18.660	0.50	20.00	0	93.3	80	120	20.12	7.53	20	
Dichlorodifluoromethane	24.780	0.50	20.00	0	124	57	147	26.76	7.68	20	
Ethylbenzene	18.870	0.50	20.00	0	94.4	80	120	19.25	1.99	20	
Freon-113	16.060	0.50	20.00	0	80.3	52	149	17.53	8.75	20	
Hexachlorobutadiene	18.350	0.50	20.00	0	91.8	73	125	19.57	6.43	20	
Isopropylbenzene	19.290	0.50	20.00	0	96.5	68	129	19.72	2.20	20	
m,p-Xylene	40.300	1.0	40.00	0	101	80	120	39.84	1.15	20	
Methylene chloride	20.930	2.0	20.00	0	105	68	134	21.72	3.70	20	
MTBE	20.920	0.50	20.00	0	105	67	129	21.57	3.06	20	
n-Butylbenzene	18.970	0.50	20.00	0	94.8	79	130	19.77	4.13	20	
n-Propylbenzene	20.360	0.50	20.00	0	102	80	128	20.44	0.392	20	
Naphthalene	18.050	0.50	20.00	0	90.3	62	126	19.52	7.83	20	

Qualifiers:

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Calculations are based on raw values



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"Serving Clients with Passion and Professionalism"

CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032456
Project: 417 W. 164th St. Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: CA181011-LCSD		SampType: LCSD		TestCode: 8260WATERP Units: µg/L			Prep Date:			RunNo: 129208		
Client ID: LCSS02		Batch ID: CA18VW032		TestNo: EPA 8260B			Analysis Date: 10/11/2018			SeqNo: 3170390		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
o-Xylene	19.310	0.50	20.00	0	96.6	80	120	19.43	0.620	20		
sec-Butylbenzene	20.350	0.50	20.00	0	102	80	129	20.53	0.881	20		
Styrene	19.290	0.50	20.00	0	96.5	80	120	19.09	1.04	20		
tert-Butylbenzene	20.800	0.50	20.00	0	104	80	125	21.32	2.47	20		
Tetrachloroethene	19.060	0.50	20.00	0	95.3	78	123	20.37	6.64	20		
Toluene	19.020	0.50	20.00	0	95.1	80	120	19.67	3.36	20		
trans-1,2-Dichloroethene	18.780	0.50	20.00	0	93.9	75	125	19.67	4.63	20		
Trichloroethene	20.440	0.50	20.00	0	102	80	120	20.85	1.99	20		
Trichlorofluoromethane	20.990	0.50	20.00	0	105	64	147	21.07	0.380	20		
Vinyl chloride	20.490	0.50	20.00	0	102	66	140	21.78	6.10	20		
Surr: 1,2-Dichloroethane-d4	23.730		25.00		94.9	75	130		0			
Surr: 4-Bromofluorobenzene	23.850		25.00		95.4	80	120		0			
Surr: Dibromofluoromethane	24.010		25.00		96.0	80	128		0			
Surr: Toluene-d8	24.870		25.00		99.5	80	120		0			

Sample ID: CA181011-MB3		SampType: MBLK		TestCode: 8260WATERP Units: µg/L			Prep Date:			RunNo: 129208		
Client ID: PBW		Batch ID: CA18VW032		TestNo: EPA 8260B			Analysis Date: 10/11/2018			SeqNo: 3170393		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,1,1,2-Tetrachloroethane	ND	0.50										
1,1,1-Trichloroethane	ND	0.50										
1,1,2,2-Tetrachloroethane	ND	0.50										
1,1,2-Trichloroethane	ND	0.50										
1,1-Dichloroethane	ND	0.50										
1,1-Dichloroethene	ND	0.50										
1,1-Dichloropropene	ND	0.50										
1,2,3-Trichlorobenzene	ND	0.50										
1,2,3-Trichloropropane	ND	0.50										
1,2,4-Trichlorobenzene	ND	0.50										
1,2,4-Trimethylbenzene	ND	0.50										

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"Serving Clients with Passion and Professionalism"

CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032456
Project: 417 W. 164th St. Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: CA181011-MB3	SampType: MBLK	TestCode: 8260WATERP Units: µg/L	Prep Date:	RunNo: 129208							
Client ID: PBW	Batch ID: CA18VW032	TestNo: EPA 8260B	Analysis Date: 10/11/2018	SeqNo: 3170393							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2-Dibromo-3-chloropropane	ND	1.0									
1,2-Dibromoethane	ND	0.50									
1,2-Dichlorobenzene	ND	0.50									
1,2-Dichloroethane	ND	0.50									
1,2-Dichloropropane	ND	0.50									
1,3,5-Trimethylbenzene	ND	0.50									
1,3-Dichlorobenzene	ND	0.50									
1,3-Dichloropropane	ND	0.50									
1,4-Dichlorobenzene	ND	0.50									
2,2-Dichloropropane	ND	0.50									
2-Butanone	ND	5.0									
2-Chlorotoluene	ND	0.50									
4-Chlorotoluene	ND	0.50									
4-Isopropyltoluene	ND	0.50									
Benzene	ND	0.50									
Bromobenzene	ND	0.50									
Bromodichloromethane	ND	0.50									
Bromoform	ND	0.50									
Bromomethane	ND	1.0									
Carbon tetrachloride	ND	0.50									
Chlorobenzene	ND	0.50									
Chloroethane	ND	1.0									
Chloroform	ND	0.50									
Chloromethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
cis-1,3-Dichloropropene	ND	0.50									
Dibromochloromethane	ND	0.50									
Dibromomethane	ND	0.50									
Dichlorodifluoromethane	ND	0.50									
Ethylbenzene	ND	0.50									

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CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032456
Project: 417 W. 164th St. Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: CA181011-MB3	SampType: MBLK	TestCode: 8260WATERP Units: µg/L	Prep Date:	RunNo: 129208							
Client ID: PBW	Batch ID: CA18VW032	TestNo: EPA 8260B	Analysis Date: 10/11/2018	SeqNo: 3170393							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Freon-113	ND	0.50									
Hexachlorobutadiene	ND	0.50									
Isopropylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
Methylene chloride	ND	2.0									
MTBE	ND	0.50									
n-Butylbenzene	ND	0.50									
n-Propylbenzene	ND	0.50									
Naphthalene	ND	0.50									
o-Xylene	ND	0.50									
sec-Butylbenzene	ND	0.50									
Styrene	ND	0.50									
tert-Butylbenzene	ND	0.50									
Tetrachloroethene	ND	0.50									
Toluene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Trichloroethene	ND	0.50									
Trichlorofluoromethane	ND	0.50									
Vinyl chloride	ND	0.50									
Surr: 1,2-Dichloroethane-d4	24.040		25.00		96.2	75	130				
Surr: 4-Bromofluorobenzene	24.760		25.00		99.0	80	120				
Surr: Dibromofluoromethane	23.940		25.00		95.8	80	128				
Surr: Toluene-d8	24.770		25.00		99.1	80	120				

Sample ID: N032456-002A-MS	SampType: MS	TestCode: 8260WATERP Units: µg/L	Prep Date:	RunNo: 129208							
Client ID: ZZZZZZ	Batch ID: CA18VW032	TestNo: EPA 8260B	Analysis Date: 10/11/2018	SeqNo: 3170400							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	22.590	0.50	20.00	0	113	80	124				
1,1,1-Trichloroethane	20.380	0.50	20.00	0	102	73	136				

Qualifiers:

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Calculations are based on raw values



ASSET LABORATORIES
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CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032456
Project: 417 W. 164th St. Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: N032456-002A-MS	SampType: MS	TestCode: 8260WATERP Units: µg/L				Prep Date:			RunNo: 129208		
Client ID: ZZZZZZ	Batch ID: CA18VW032	TestNo: EPA 8260B				Analysis Date: 10/11/2018			SeqNo: 3170400		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2,2-Tetrachloroethane	17.940	0.50	20.00	0	89.7	77	124				
1,1,2-Trichloroethane	20.210	0.50	20.00	0	101	79	120				
1,1-Dichloroethane	20.250	0.50	20.00	1.260	95.0	58	141				
1,1-Dichloroethene	23.530	0.50	20.00	8.130	77.0	59	143				
1,1-Dichloropropene	20.170	0.50	20.00	0	101	77	134				
1,2,3-Trichlorobenzene	18.280	0.50	20.00	0	91.4	77	129				
1,2,3-Trichloropropane	19.210	0.50	20.00	0	96.0	79	120				
1,2,4-Trichlorobenzene	17.320	0.50	20.00	0	86.6	79	123				
1,2,4-Trimethylbenzene	19.280	0.50	20.00	0	96.4	48	148				
1,2-Dibromo-3-chloropropane	22.800	1.0	20.00	0	114	71	130				
1,2-Dibromoethane	20.360	0.50	20.00	0	102	80	121				
1,2-Dichlorobenzene	18.450	0.50	20.00	0	92.2	80	120				
1,2-Dichloroethane	17.940	0.50	20.00	0	89.7	80	120				
1,2-Dichloropropane	18.580	0.50	20.00	0	92.9	79	120				
1,3,5-Trimethylbenzene	18.980	0.50	20.00	0	94.9	68	138				
1,3-Dichlorobenzene	19.060	0.50	20.00	0	95.3	80	120				
1,3-Dichloropropane	19.650	0.50	20.00	0	98.2	80	120				
1,4-Dichlorobenzene	18.300	0.50	20.00	0	91.5	85	115				
2,2-Dichloropropane	20.540	0.50	20.00	0	103	60	155				
2-Butanone	170.330	5.0	200.0	0	85.2	42	162				
2-Chlorotoluene	18.240	0.50	20.00	0	91.2	80	124				
4-Chlorotoluene	19.280	0.50	20.00	0	96.4	80	125				
4-Isopropyltoluene	19.130	0.50	20.00	0	95.7	74	135				
Benzene	18.580	0.50	20.00	0	92.9	80	122				
Bromobenzene	19.020	0.50	20.00	0	95.1	80	120				
Bromodichloromethane	16.990	0.50	20.00	0	85.0	80	123				
Bromoform	21.790	0.50	20.00	0	109	71	134				
Bromomethane	20.910	1.0	20.00	0	105	39	157				
Carbon tetrachloride	20.170	0.50	20.00	0	101	75	145				
Chlorobenzene	19.840	0.50	20.00	0	99.2	80	120				

Qualifiers:

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Calculations are based on raw values



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"Serving Clients with Passion and Professionalism"

CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032456
Project: 417 W. 164th St. Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: N032456-002A-MS	SampType: MS	TestCode: 8260WATERP Units: µg/L				Prep Date:			RunNo: 129208		
Client ID: ZZZZZZ	Batch ID: CA18VW032	TestNo: EPA 8260B				Analysis Date: 10/11/2018			SeqNo: 3170400		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroethane	19.880	1.0	20.00	0	99.4	61	154				
Chloroform	18.080	0.50	20.00	0.6700	87.1	72	120				
Chloromethane	21.510	0.50	20.00	0	108	58	140				
cis-1,2-Dichloroethene	24.410	0.50	20.00	6.840	87.9	76	121				
cis-1,3-Dichloropropene	21.600	0.50	20.00	0	108	80	123				
Dibromochloromethane	19.450	0.50	20.00	0	97.3	78	126				
Dibromomethane	18.800	0.50	20.00	0	94.0	80	120				
Dichlorodifluoromethane	23.230	0.50	20.00	0	116	67	147				
Ethylbenzene	18.630	0.50	20.00	0	93.2	80	122				
Freon-113	17.230	0.50	20.00	1.390	79.2	63	152				
Hexachlorobutadiene	17.920	0.50	20.00	0	89.6	71	129				
Isopropylbenzene	18.200	0.50	20.00	0	91.0	77	133				
m,p-Xylene	39.080	1.0	40.00	0	97.7	80	129				
Methylene chloride	20.840	2.0	20.00	0	104	64	138				
MTBE	21.950	0.50	20.00	0	110	68	130				
n-Butylbenzene	17.910	0.50	20.00	0	89.6	76	140				
n-Propylbenzene	19.260	0.50	20.00	0	96.3	78	134				
Naphthalene	17.550	0.50	20.00	0	87.8	52	131				
o-Xylene	18.780	0.50	20.00	0	93.9	80	121				
sec-Butylbenzene	19.300	0.50	20.00	0	96.5	76	139				
Styrene	18.680	0.50	20.00	0	93.4	55	134				
tert-Butylbenzene	19.790	0.50	20.00	0	99.0	77	133				
Tetrachloroethene	22.480	0.50	20.00	3.860	93.1	75	133				
Toluene	18.240	0.50	20.00	0	91.2	80	120				
trans-1,2-Dichloroethene	17.780	0.50	20.00	0	88.9	70	132				
Trichloroethene	35.330	0.50	20.00	18.89	82.2	78	127				
Trichlorofluoromethane	21.250	0.50	20.00	1.900	96.8	66	151				
Vinyl chloride	20.950	0.50	20.00	0	105	63	143				
Surr: 1,2-Dichloroethane-d4	23.700		25.00		94.8	75	130				
Surr: 4-Bromofluorobenzene	25.270		25.00		101	80	120				

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CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032456
Project: 417 W. 164th St. Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: N032456-002A-MS	SampType: MS	TestCode: 8260WATERP	Units: µg/L	Prep Date:	RunNo: 129208						
Client ID: ZZZZZZ	Batch ID: CA18VW032	TestNo: EPA 8260B		Analysis Date: 10/11/2018	SeqNo: 3170400						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	24.020		25.00		96.1	80	128				
Surr: Toluene-d8	24.360		25.00		97.4	80	120				

Sample ID: N032456-002A-MSD	SampType: MSD	TestCode: 8260WATERP	Units: µg/L	Prep Date:	RunNo: 129208						
Client ID: ZZZZZZ	Batch ID: CA18VW032	TestNo: EPA 8260B		Analysis Date: 10/11/2018	SeqNo: 3170401						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	22.040	0.50	20.00	0	110	80	124	22.59	2.46	20	
1,1,1-Trichloroethane	22.530	0.50	20.00	0	113	73	136	20.38	10.0	20	
1,1,2,2-Tetrachloroethane	19.330	0.50	20.00	0	96.7	77	124	17.94	7.46	20	
1,1,2-Trichloroethane	21.870	0.50	20.00	0	109	79	120	20.21	7.89	20	
1,1-Dichloroethane	21.480	0.50	20.00	1.260	101	58	141	20.25	5.90	20	
1,1-Dichloroethene	25.710	0.50	20.00	8.130	87.9	59	143	23.53	8.85	20	
1,1-Dichloropropene	22.460	0.50	20.00	0	112	77	134	20.17	10.7	20	
1,2,3-Trichlorobenzene	19.510	0.50	20.00	0	97.6	77	129	18.28	6.51	20	
1,2,3-Trichloropropane	20.060	0.50	20.00	0	100	79	120	19.21	4.33	20	
1,2,4-Trichlorobenzene	18.850	0.50	20.00	0	94.3	79	123	17.32	8.46	20	
1,2,4-Trimethylbenzene	20.650	0.50	20.00	0	103	48	148	19.28	6.86	20	
1,2-Dibromo-3-chloropropane	24.120	1.0	20.00	0	121	71	130	22.80	5.63	20	
1,2-Dibromoethane	21.820	0.50	20.00	0	109	80	121	20.36	6.92	20	
1,2-Dichlorobenzene	18.490	0.50	20.00	0	92.5	80	120	18.45	0.217	20	
1,2-Dichloroethane	18.820	0.50	20.00	0	94.1	80	120	17.94	4.79	20	
1,2-Dichloropropane	19.360	0.50	20.00	0	96.8	79	120	18.58	4.11	20	
1,3,5-Trimethylbenzene	20.380	0.50	20.00	0	102	68	138	18.98	7.11	20	
1,3-Dichlorobenzene	19.760	0.50	20.00	0	98.8	80	120	19.06	3.61	20	
1,3-Dichloropropane	20.470	0.50	20.00	0	102	80	120	19.65	4.09	20	
1,4-Dichlorobenzene	18.990	0.50	20.00	0	95.0	85	115	18.30	3.70	20	
2,2-Dichloropropane	22.310	0.50	20.00	0	112	60	155	20.54	8.26	20	
2-Butanone	182.010	5.0	200.0	0	91.0	42	162	170.3	6.63	20	
2-Chlorotoluene	19.300	0.50	20.00	0	96.5	80	124	18.24	5.65	20	

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- E Value above quantitation range
- R RPD outside accepted recovery limits
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference

Calculations are based on raw values



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"Serving Clients with Passion and Professionalism"

CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032456
Project: 417 W. 164th St. Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: N032456-002A-MSD SampType: MSD TestCode: 8260WATERP Units: µg/L		Prep Date:		RunNo: 129208							
Client ID: ZZZZZZ Batch ID: CA18VW032 TestNo: EPA 8260B		Analysis Date: 10/11/2018		SeqNo: 3170401							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chlorotoluene	19.630	0.50	20.00	0	98.2	80	125	19.28	1.80	20	
4-Isopropyltoluene	20.120	0.50	20.00	0	101	74	135	19.13	5.04	20	
Benzene	19.650	0.50	20.00	0	98.2	80	122	18.58	5.60	20	
Bromobenzene	19.730	0.50	20.00	0	98.6	80	120	19.02	3.66	20	
Bromodichloromethane	19.110	0.50	20.00	0	95.6	80	123	16.99	11.7	20	
Bromoform	22.340	0.50	20.00	0	112	71	134	21.79	2.49	20	
Bromomethane	21.750	1.0	20.00	0	109	39	157	20.91	3.94	20	
Carbon tetrachloride	22.110	0.50	20.00	0	111	75	145	20.17	9.18	20	
Chlorobenzene	19.970	0.50	20.00	0	99.8	80	120	19.84	0.653	20	
Chloroethane	21.120	1.0	20.00	0	106	61	154	19.88	6.05	20	
Chloroform	19.470	0.50	20.00	0.6700	94.0	72	120	18.08	7.40	20	
Chloromethane	22.360	0.50	20.00	0	112	58	140	21.51	3.88	20	
cis-1,2-Dichloroethene	25.790	0.50	20.00	6.840	94.8	76	121	24.41	5.50	20	
cis-1,3-Dichloropropene	22.670	0.50	20.00	0	113	80	123	21.60	4.83	20	
Dibromochloromethane	20.020	0.50	20.00	0	100	78	126	19.45	2.89	20	
Dibromomethane	18.630	0.50	20.00	0	93.2	80	120	18.80	0.908	20	
Dichlorodifluoromethane	25.660	0.50	20.00	0	128	67	147	23.23	9.94	20	
Ethylbenzene	19.140	0.50	20.00	0	95.7	80	122	18.63	2.70	20	
Freon-113	18.290	0.50	20.00	1.390	84.5	63	152	17.23	5.97	20	
Hexachlorobutadiene	18.600	0.50	20.00	0	93.0	71	129	17.92	3.72	20	
Isopropylbenzene	19.090	0.50	20.00	0	95.4	77	133	18.20	4.77	20	
m,p-Xylene	40.120	1.0	40.00	0	100	80	129	39.08	2.63	20	
Methylene chloride	18.470	2.0	20.00	0	92.4	64	138	20.84	12.1	20	
MTBE	23.370	0.50	20.00	0	117	68	130	21.95	6.27	20	
n-Butylbenzene	19.600	0.50	20.00	0	98.0	76	140	17.91	9.01	20	
n-Propylbenzene	20.220	0.50	20.00	0	101	78	134	19.26	4.86	20	
Naphthalene	19.840	0.50	20.00	0	99.2	52	131	17.55	12.2	20	
o-Xylene	19.460	0.50	20.00	0	97.3	80	121	18.78	3.56	20	
sec-Butylbenzene	19.890	0.50	20.00	0	99.4	76	139	19.30	3.01	20	
Styrene	19.280	0.50	20.00	0	96.4	55	134	18.68	3.16	20	

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference

Calculations are based on raw values



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"Serving Clients with Passion and Professionalism"

CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032456
Project: 417 W. 164th St. Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: N032456-002A-MSD		SampType: MSD		TestCode: 8260WATERP Units: µg/L			Prep Date:		RunNo: 129208		
Client ID: ZZZZZZ		Batch ID: CA18VW032		TestNo: EPA 8260B			Analysis Date: 10/11/2018		SeqNo: 3170401		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
tert-Butylbenzene	20.700	0.50	20.00	0	104	77	133	19.79	4.49	20	
Tetrachloroethene	22.940	0.50	20.00	3.860	95.4	75	133	22.48	2.03	20	
Toluene	19.020	0.50	20.00	0	95.1	80	120	18.24	4.19	20	
trans-1,2-Dichloroethene	19.520	0.50	20.00	0	97.6	70	132	17.78	9.33	20	
Trichloroethene	37.100	0.50	20.00	18.89	91.1	78	127	35.33	4.89	20	
Trichlorofluoromethane	22.720	0.50	20.00	1.900	104	66	151	21.25	6.69	20	
Vinyl chloride	21.900	0.50	20.00	0	110	63	143	20.95	4.43	20	
Surr: 1,2-Dichloroethane-d4	24.410		25.00		97.6	75	130		0		
Surr: 4-Bromofluorobenzene	26.590		25.00		106	80	120		0		
Surr: Dibromofluoromethane	24.980		25.00		99.9	80	128		0		
Surr: Toluene-d8	25.730		25.00		103	80	120		0		

Qualifiers:

- | | | |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |

Calculations are based on raw values



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Page 1 of 1

Client: Leymaster Env Con		Report to: LEC		Bill to: LEC		EDD Requirement		QA/QC		Sample Receipt Condition			
Address: 5500 E. Atherton St #210		Company:		Address:		Excel EDD <input type="checkbox"/>		RTNE <input type="checkbox"/>		1. Chilled <input checked="" type="checkbox"/> Y <input type="checkbox"/> N			
Address: Long Beach, CA 90805		Email: Charles@leymaster.net		Address:		Geotracker <input type="checkbox"/>		RWQCB <input type="checkbox"/>		2. Headspace <input type="checkbox"/> <input checked="" type="checkbox"/>			
Phone: 562-799-9864		Fax:		Address:		Labspec <input type="checkbox"/>		CalTrans <input type="checkbox"/>		3. Container Intact <input checked="" type="checkbox"/> <input type="checkbox"/>			
Submitted By: Charly Lindeman		Address:		Email to:		Others <input type="checkbox"/>		Level III <input type="checkbox"/>		4. Seal Present <input type="checkbox"/> <input type="checkbox"/>			
Title:		Phone:		Fax:		Specify:		LEVEL IV <input type="checkbox"/>		5. IR number <input type="checkbox"/> NA			
Signature: Charly Lindeman		Date: 10/11/18		Sampler's Signature and Date: Charly Lindeman 10/11/18		Global ID:		Regulatory <input type="checkbox"/>		6. Method of Cooling <input type="checkbox"/> ICE			
Project Name: 417 W. 164th St.		I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.		Sampler's Name: Charly Lindeman		Matrix		Analyses Requested		Sample Temp: NA			
Project Number: Carson, CA						Ground <input checked="" type="checkbox"/> Sediment <input type="checkbox"/>		2260B VOCs		Turn Around Time			
						Potable <input type="checkbox"/> Soil <input type="checkbox"/>				No. of container		PRESERVATION	
						NPDES <input type="checkbox"/> Other Solid <input type="checkbox"/>				Container Type		Counter: WALK-IN	
						Surface <input type="checkbox"/>						Tracking No.	

Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	water	Solid	Others	Remarks
1		Influent	10/11/18	1320	<input checked="" type="checkbox"/>			E3VH
2								
3		Effluent	10/11/18	1325	<input checked="" type="checkbox"/>			E3VH
4								
5								
6								
7								
8								
9								
10								

Relinquished by (Signature and Printed Name): Charly Lindeman	Date / Time: 10/11/18	Received by (Signature and Printed Name): M. Santos	Date / Time: 10/11/18 14:10	Turn Around Time (TAT)	Special Instruction: PQLs
Relinquished by (Signature and Printed Name):	Date / Time:	Received by (Signature and Printed Name):	Date / Time:	<input type="checkbox"/> A < 24 Hrs or Same Day TAT	
Relinquished by (Signature and Printed Name):	Date / Time:	Received by (Signature and Printed Name):	Date / Time:	<input type="checkbox"/> B = Next Workday	
				<input type="checkbox"/> C = 2 Workdays	
				<input type="checkbox"/> D = 3 Workdays	
				<input checked="" type="checkbox"/> E = Routine 5-7 Workdays	
				TAT Starts at 8 AM the following day if samples received after 3:00 PM.	

Terms
 1. All samples will be disposed in 45 days upon receipt and records will be destroyed in 5 years upon submission of final report.
 2. Regular TAT is 5-7 business days, surcharges will apply for rush analysis.
 Less than 24 Hrs = 200% Next Day = 100% 2 Workdays = 50% 3 Workdays = 35% 4 Workdays = 20%
 3. Custom EDD formats will be an additional 3% of the total project price.
 4. Add 10% surcharge for Level III Data Packages, 15% for Level IV Data Packages. Surcharge applied on total project price.
 5. Trip Blanks and Equipment Blanks are billable sample.
 6. ASSET Laboratories is not responsible for samples collected using incorrect methodology.
 7. Terms are net 30 Days.
 8. All reports are submitted in electronic format. Please inform ASSET Laboratories if hard copy of report is needed.
 9. For subcontract analysis, TAT and Surcharges will vary.

Preservatives:
 H = HCl N = HNO₃ S = H₂SO₄ C = 4°C
 Z = Zn(AC)₂ O = NaOH T = Na₂S₂O₃

Container Type:
 T = Tube V = VOA P = Pint
 J = Jar B = Tedlar G = Glass
 M = Metal P = Plastic C = Can

Others/Specify:

White = Laboratory Copy

Yellow = Customer's Copy

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On: 10/11/2018 Workorder: NO32450
 Rep sample Temp (Deg C): NA IR Gun ID: NA
 Temp Blank: Yes No
 Carrier name: WALK-IN
 Last 4 digits of Tracking No.: NA Packing Material Used: NA
 Cooling process: Ice Ice Pack Dry Ice Other None

Sample Receipt Checklist

- | | | | |
|---|---|--|---|
| 1. Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH < 2 for Metals | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 16. Were there Non-Conformance issues at login?
Was Client notified? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | NA <input type="checkbox"/> |
| | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Comments: Samples were received chilled (with ice), sampled the day it was received

Checklist Completed By: M. Sanchez 10/11/18

Reviewed By: [Signature] 10/11/18

ASSET Laboratories

WORK ORDER Summary

12-Oct-18

WorkOrder: N032456

Client ID: LEYEN01

Project: 417 W. 164th St. Carson, CA

QC Level: RTNE

Date Received: 10/11/2018

Comments:

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N032456-001A	Influent	10/11/2018 1:20:00 PM	10/18/2018	Groundwater	EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VW
N032456-002A	Effluent	10/11/2018 1:25:00 PM	10/18/2018		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VW
N032456-003A	FOLDER	10/18/2018	10/18/2018		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			10/18/2018		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB

November 15, 2018

Charles F. Lindeman
Leymaster Environmental Consulting, LLC
5500 East Atherton Street, Suite 210
Long Beach, CA 90815

TEL: (562) 799-9866

FAX: (562) 799-1963

Workorder No.: N032945

RE: ANCO 417 W. 164th St Carson, CA

Attention: Charles F. Lindeman

Enclosed are the results for sample(s) received on November 12, 2018 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562) 219-7435 if I can be of further assistance to your company.

Sincerely,

A handwritten signature in black ink, appearing to read "Molky Brar", followed by the word "for" in a smaller font.

Molky Brar
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and ASSET Laboratories - California.



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CLIENT: Leymaster Environmental Consulting, LLC
Project: ANCO 417 W. 164th St Carson, CA
Lab Order: N032945

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.

Analytical Comments for EPA 8260B:

Laboratory Control Sample (LCS) recovery biased high for Styrene. Sample results were non-detect (ND) for this analyte therefore reanalysis of the samples was not necessary.

RPD for Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD) is outside criteria for 2-Butanone. Analyte recovery on both met acceptance criteria.



CLIENT: Leymaster Environmental Consulting, LLC
Project: ANCO 417 W. 164th St Carson, CA
Lab Order: N032945
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N032945-001A	Influent	Groundwater	11/12/2018 8:00:00 AM	11/12/2018	11/15/2018
N032945-002A	Effluent	Groundwater	11/12/2018 8:02:00 AM	11/12/2018	11/15/2018



ASSET Laboratories

ANALYTICAL RESULTS
 Print Date: 15-Nov-18

CLIENT: Leymaster Environmental Consulting, LLC **Client Sample ID:** Influent
Lab Order: N032945 **Collection Date:** 11/12/2018 8:00:00 AM
Project: ANCO 417 W. 164th St Carson, CA **Matrix:** GROUNDWATER
Lab ID: N032945-001

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	CA01638-MS10_181113A	QC Batch:	CA18VW038	PrepDate:	Analyst:	GAC
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
1,1,1-Trichloroethane	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
1,1,2-Trichloroethane	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
1,1-Dichloroethane	1.1	0.50	µg/L	1	11/13/2018 01:23 PM	
1,1-Dichloroethene	4.6	0.50	µg/L	1	11/13/2018 01:23 PM	
1,1-Dichloropropene	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
1,2,3-Trichloropropane	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
1,2-Dibromo-3-chloropropane	ND	1.0	µg/L	1	11/13/2018 01:23 PM	
1,2-Dibromoethane	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
1,2-Dichlorobenzene	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
1,2-Dichloroethane	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
1,2-Dichloropropane	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
1,3-Dichlorobenzene	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
1,3-Dichloropropane	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
1,4-Dichlorobenzene	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
2,2-Dichloropropane	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
2-Butanone	ND	5.0	µg/L	1	11/13/2018 01:23 PM	
2-Chlorotoluene	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
4-Chlorotoluene	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
4-Isopropyltoluene	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
Benzene	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
Bromobenzene	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
Bromodichloromethane	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
Bromoform	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
Bromomethane	ND	1.0	µg/L	1	11/13/2018 01:23 PM	
Carbon tetrachloride	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
Chlorobenzene	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
Chloroethane	ND	1.0	µg/L	1	11/13/2018 01:23 PM	
Chloroform	0.92	0.50	µg/L	1	11/13/2018 01:23 PM	
Chloromethane	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
cis-1,2-Dichloroethene	3.8	0.50	µg/L	1	11/13/2018 01:23 PM	

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DO Surrogate Diluted Out



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ANALYTICAL RESULTS
 Print Date: 15-Nov-18

CLIENT: Leymaster Environmental Consulting, LLC **Client Sample ID:** Influent
Lab Order: N032945 **Collection Date:** 11/12/2018 8:00:00 AM
Project: ANCO 417 W. 164th St Carson, CA **Matrix:** GROUNDWATER
Lab ID: N032945-001

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	CA01638-MS10_181113A	QC Batch:	CA18VW038	PrepDate:	Analyst:	GAC
cis-1,3-Dichloropropene	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
Dibromochloromethane	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
Dibromomethane	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
Dichlorodifluoromethane	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
Ethylbenzene	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
Freon-113	0.80	0.50	µg/L	1	11/13/2018 01:23 PM	
Hexachlorobutadiene	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
Isopropylbenzene	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
m,p-Xylene	ND	1.0	µg/L	1	11/13/2018 01:23 PM	
Methylene chloride	ND	2.0	µg/L	1	11/13/2018 01:23 PM	
MTBE	30	0.50	µg/L	1	11/13/2018 01:23 PM	
n-Butylbenzene	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
n-Propylbenzene	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
Naphthalene	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
o-Xylene	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
sec-Butylbenzene	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
Styrene	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
tert-Butylbenzene	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
Tetrachloroethene	87	0.50	µg/L	1	11/13/2018 01:23 PM	
Toluene	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
trans-1,2-Dichloroethene	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
Trichloroethene	19	0.50	µg/L	1	11/13/2018 01:23 PM	
Trichlorofluoromethane	0.93	0.50	µg/L	1	11/13/2018 01:23 PM	
Vinyl chloride	ND	0.50	µg/L	1	11/13/2018 01:23 PM	
Surr: 1,2-Dichloroethane-d4	102	75-130	%REC	1	11/13/2018 01:23 PM	
Surr: 4-Bromofluorobenzene	95.4	80-120	%REC	1	11/13/2018 01:23 PM	
Surr: Dibromofluoromethane	100	80-128	%REC	1	11/13/2018 01:23 PM	
Surr: Toluene-d8	102	80-120	%REC	1	11/13/2018 01:23 PM	

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DO Surrogate Diluted Out



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ANALYTICAL RESULTS
 Print Date: 15-Nov-18

CLIENT: Leymaster Environmental Consulting, LLC **Client Sample ID:** Effluent
Lab Order: N032945 **Collection Date:** 11/12/2018 8:02:00 AM
Project: ANCO 417 W. 164th St Carson, CA **Matrix:** GROUNDWATER
Lab ID: N032945-002

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	CA01638-MS10_181113A	QC Batch:	CA18VW038	PrepDate:	Analyst:	GAC
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1	11/13/2018 01:48 PM	
1,1,1-Trichloroethane	ND	0.50	µg/L	1	11/13/2018 01:48 PM	
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1	11/13/2018 01:48 PM	
1,1,2-Trichloroethane	ND	0.50	µg/L	1	11/13/2018 01:48 PM	
1,1-Dichloroethane	1.6	0.50	µg/L	1	11/13/2018 01:48 PM	
1,1-Dichloroethene	6.9	0.50	µg/L	1	11/13/2018 01:48 PM	
1,1-Dichloropropene	ND	0.50	µg/L	1	11/13/2018 01:48 PM	
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1	11/13/2018 01:48 PM	
1,2,3-Trichloropropane	ND	0.50	µg/L	1	11/13/2018 01:48 PM	
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1	11/13/2018 01:48 PM	
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1	11/13/2018 01:48 PM	
1,2-Dibromo-3-chloropropane	ND	1.0	µg/L	1	11/13/2018 01:48 PM	
1,2-Dibromoethane	ND	0.50	µg/L	1	11/13/2018 01:48 PM	
1,2-Dichlorobenzene	ND	0.50	µg/L	1	11/13/2018 01:48 PM	
1,2-Dichloroethane	ND	0.50	µg/L	1	11/13/2018 01:48 PM	
1,2-Dichloropropane	ND	0.50	µg/L	1	11/13/2018 01:48 PM	
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1	11/13/2018 01:48 PM	
1,3-Dichlorobenzene	ND	0.50	µg/L	1	11/13/2018 01:48 PM	
1,3-Dichloropropane	ND	0.50	µg/L	1	11/13/2018 01:48 PM	
1,4-Dichlorobenzene	ND	0.50	µg/L	1	11/13/2018 01:48 PM	
2,2-Dichloropropane	ND	0.50	µg/L	1	11/13/2018 01:48 PM	
2-Butanone	ND	5.0	µg/L	1	11/13/2018 01:48 PM	
2-Chlorotoluene	ND	0.50	µg/L	1	11/13/2018 01:48 PM	
4-Chlorotoluene	ND	0.50	µg/L	1	11/13/2018 01:48 PM	
4-Isopropyltoluene	ND	0.50	µg/L	1	11/13/2018 01:48 PM	
Benzene	ND	0.50	µg/L	1	11/13/2018 01:48 PM	
Bromobenzene	ND	0.50	µg/L	1	11/13/2018 01:48 PM	
Bromodichloromethane	ND	0.50	µg/L	1	11/13/2018 01:48 PM	
Bromoform	ND	0.50	µg/L	1	11/13/2018 01:48 PM	
Bromomethane	ND	1.0	µg/L	1	11/13/2018 01:48 PM	
Carbon tetrachloride	ND	0.50	µg/L	1	11/13/2018 01:48 PM	
Chlorobenzene	ND	0.50	µg/L	1	11/13/2018 01:48 PM	
Chloroethane	ND	1.0	µg/L	1	11/13/2018 01:48 PM	
Chloroform	0.65	0.50	µg/L	1	11/13/2018 01:48 PM	
Chloromethane	ND	0.50	µg/L	1	11/13/2018 01:48 PM	
cis-1,2-Dichloroethene	5.6	0.50	µg/L	1	11/13/2018 01:48 PM	

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DO Surrogate Diluted Out



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ANALYTICAL RESULTS
 Print Date: 15-Nov-18

CLIENT: Leymaster Environmental Consulting, LLC **Client Sample ID:** Effluent
Lab Order: N032945 **Collection Date:** 11/12/2018 8:02:00 AM
Project: ANCO 417 W. 164th St Carson, CA **Matrix:** GROUNDWATER
Lab ID: N032945-002

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	CA01638-MS10_181113A	QC Batch:	CA18VW038	PrepDate:		Analyst:	GAC
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		11/13/2018 01:48 PM	
Dibromochloromethane	ND	0.50	µg/L	1		11/13/2018 01:48 PM	
Dibromomethane	ND	0.50	µg/L	1		11/13/2018 01:48 PM	
Dichlorodifluoromethane	ND	0.50	µg/L	1		11/13/2018 01:48 PM	
Ethylbenzene	ND	0.50	µg/L	1		11/13/2018 01:48 PM	
Freon-113	1.4	0.50	µg/L	1		11/13/2018 01:48 PM	
Hexachlorobutadiene	ND	0.50	µg/L	1		11/13/2018 01:48 PM	
Isopropylbenzene	ND	0.50	µg/L	1		11/13/2018 01:48 PM	
m,p-Xylene	ND	1.0	µg/L	1		11/13/2018 01:48 PM	
Methylene chloride	ND	2.0	µg/L	1		11/13/2018 01:48 PM	
MTBE	ND	0.50	µg/L	1		11/13/2018 01:48 PM	
n-Butylbenzene	ND	0.50	µg/L	1		11/13/2018 01:48 PM	
n-Propylbenzene	ND	0.50	µg/L	1		11/13/2018 01:48 PM	
Naphthalene	ND	0.50	µg/L	1		11/13/2018 01:48 PM	
o-Xylene	ND	0.50	µg/L	1		11/13/2018 01:48 PM	
sec-Butylbenzene	ND	0.50	µg/L	1		11/13/2018 01:48 PM	
Styrene	ND	0.50	µg/L	1		11/13/2018 01:48 PM	
tert-Butylbenzene	ND	0.50	µg/L	1		11/13/2018 01:48 PM	
Tetrachloroethene	25	0.50	µg/L	1		11/13/2018 01:48 PM	
Toluene	ND	0.50	µg/L	1		11/13/2018 01:48 PM	
trans-1,2-Dichloroethene	ND	0.50	µg/L	1		11/13/2018 01:48 PM	
Trichloroethene	34	0.50	µg/L	1		11/13/2018 01:48 PM	
Trichlorofluoromethane	1.4	0.50	µg/L	1		11/13/2018 01:48 PM	
Vinyl chloride	ND	0.50	µg/L	1		11/13/2018 01:48 PM	
Surr: 1,2-Dichloroethane-d4	104	75-130	%REC	1		11/13/2018 01:48 PM	
Surr: 4-Bromofluorobenzene	99.7	80-120	%REC	1		11/13/2018 01:48 PM	
Surr: Dibromofluoromethane	104	80-128	%REC	1		11/13/2018 01:48 PM	
Surr: Toluene-d8	95.6	80-120	%REC	1		11/13/2018 01:48 PM	

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DO Surrogate Diluted Out



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CLIENT: Leymaster Environmental Consulting, LLC
WorkOrder: N032945
Project: ANCO 417 W. 164th St Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: CA181113-LCS	SampType: LCS	TestCode: 8260WATERP	Units: µg/L	Prep Date:	RunNo: 129920						
Client ID: LCSW	Batch ID: CA18VW038	TestNo: EPA 8260B		Analysis Date: 11/13/2018	SeqNo: 3203491						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	20.270	0.50	20.00	0	101	80	120				
1,1,1-Trichloroethane	19.690	0.50	20.00	0	98.4	76	128				
1,1,2,2-Tetrachloroethane	18.940	0.50	20.00	0	94.7	79	124				
1,1,2-Trichloroethane	17.410	0.50	20.00	0	87.1	80	120				
1,1-Dichloroethane	18.300	0.50	20.00	0	91.5	68	133				
1,1-Dichloroethene	17.580	0.50	20.00	0	87.9	63	132				
1,1-Dichloropropene	20.160	0.50	20.00	0	101	80	127				
1,2,3-Trichlorobenzene	20.620	0.50	20.00	0	103	80	120				
1,2,3-Trichloropropane	21.590	0.50	20.00	0	108	80	120				
1,2,4-Trichlorobenzene	21.050	0.50	20.00	0	105	80	120				
1,2,4-Trimethylbenzene	20.590	0.50	20.00	0	103	80	123				
1,2-Dibromo-3-chloropropane	20.690	1.0	20.00	0	103	71	128				
1,2-Dibromoethane	17.740	0.50	20.00	0	88.7	80	120				
1,2-Dichlorobenzene	20.900	0.50	20.00	0	104	80	120				
1,2-Dichloroethane	20.090	0.50	20.00	0	100	80	120				
1,2-Dichloropropane	19.420	0.50	20.00	0	97.1	80	120				
1,3,5-Trimethylbenzene	20.540	0.50	20.00	0	103	80	125				
1,3-Dichlorobenzene	21.780	0.50	20.00	0	109	80	120				
1,3-Dichloropropane	21.190	0.50	20.00	0	106	80	120				
1,4-Dichlorobenzene	19.910	0.50	20.00	0	99.6	80	120				
2,2-Dichloropropane	18.850	0.50	20.00	0	94.3	66	139				
2-Butanone	210.230	5.0	200.0	0	105	55	150				
2-Chlorotoluene	21.560	0.50	20.00	0	108	83	120				
4-Chlorotoluene	23.840	0.50	20.00	0	119	80	121				
4-Isopropyltoluene	21.050	0.50	20.00	0	105	80	126				
Benzene	18.280	0.50	20.00	0	91.4	80	120				
Bromobenzene	19.750	0.50	20.00	0	98.8	80	120				
Bromodichloromethane	19.770	0.50	20.00	0	98.8	80	120				
Bromoform	20.460	0.50	20.00	0	102	67	133				

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- E Value above quantitation range
- R RPD outside accepted recovery limits
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference

CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032945
Project: ANCO 417 W. 164th St Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: CA181113-LCS	SampType: LCS	TestCode: 8260WATERP	Units: µg/L	Prep Date:	RunNo: 129920
Client ID: LCSW	Batch ID: CA18VVW038	TestNo: EPA 8260B		Analysis Date: 11/13/2018	SeqNo: 3203491

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	21.210	1.0	20.00	0	106	35	164				
Carbon tetrachloride	18.470	0.50	20.00	0	92.4	77	135				
Chlorobenzene	20.390	0.50	20.00	0	102	80	120				
Chloroethane	20.590	1.0	20.00	0	103	60	154				
Chloroform	18.110	0.50	20.00	0	90.6	75	120				
Chloromethane	19.920	0.50	20.00	0	99.6	59	140				
cis-1,2-Dichloroethene	18.400	0.50	20.00	0	92.0	78	120				
cis-1,3-Dichloropropene	19.310	0.50	20.00	0	96.6	80	120				
Dibromochloromethane	19.800	0.50	20.00	0	99.0	79	123				
Dibromomethane	18.940	0.50	20.00	0	94.7	80	120				
Dichlorodifluoromethane	24.030	0.50	20.00	0	120	57	147				
Ethylbenzene	22.240	0.50	20.00	0	111	80	120				
Freon-113	16.710	0.50	20.00	0	83.6	52	149				
Hexachlorobutadiene	20.600	0.50	20.00	0	103	73	125				
Isopropylbenzene	21.690	0.50	20.00	0	108	68	129				
m,p-Xylene	44.990	1.0	40.00	0	112	80	120				
Methylene chloride	20.090	2.0	20.00	0	100	68	134				
MTBE	18.750	0.50	20.00	0	93.8	67	129				
n-Butylbenzene	22.380	0.50	20.00	0	112	79	130				
n-Propylbenzene	23.350	0.50	20.00	0	117	80	128				
Naphthalene	17.620	0.50	20.00	0	88.1	62	126				
o-Xylene	22.370	0.50	20.00	0	112	80	120				
sec-Butylbenzene	23.790	0.50	20.00	0	119	80	129				
Styrene	26.400	0.50	20.00	0	132	80	120				S
tert-Butylbenzene	23.630	0.50	20.00	0	118	80	125				
Tetrachloroethene	20.320	0.50	20.00	0	102	78	123				
Toluene	19.180	0.50	20.00	0	95.9	80	120				
trans-1,2-Dichloroethene	18.790	0.50	20.00	0	94.0	75	125				
Trichloroethene	18.960	0.50	20.00	0	94.8	80	120				
Trichlorofluoromethane	20.540	0.50	20.00	0	103	64	147				

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference

CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032945
Project: ANCO 417 W. 164th St Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: CA181113-LCS	SampType: LCS	TestCode: 8260WATERP	Units: µg/L	Prep Date:	RunNo: 129920						
Client ID: LCSW	Batch ID: CA18VW038	TestNo: EPA 8260B	Analysis Date: 11/13/2018	SeqNo: 3203491							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	20.540	0.50	20.00	0	103	66	140				
Surr: 1,2-Dichloroethane-d4	23.830		25.00		95.3	75	130				
Surr: 4-Bromofluorobenzene	28.570		25.00		114	80	120				
Surr: Dibromofluoromethane	24.970		25.00		99.9	80	128				
Surr: Toluene-d8	25.640		25.00		103	80	120				

Sample ID: CA181113-LCSD	SampType: LCSD	TestCode: 8260WATERP	Units: µg/L	Prep Date:	RunNo: 129920						
Client ID: LCSS02	Batch ID: CA18VW038	TestNo: EPA 8260B	Analysis Date: 11/13/2018	SeqNo: 3203492							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	19.070	0.50	20.00	0	95.4	80	120	20.27	6.10	20	
1,1,1-Trichloroethane	18.440	0.50	20.00	0	92.2	76	128	19.69	6.56	20	
1,1,2,2-Tetrachloroethane	17.950	0.50	20.00	0	89.8	79	124	18.94	5.37	20	
1,1,2-Trichloroethane	17.690	0.50	20.00	0	88.4	80	120	17.41	1.60	20	
1,1-Dichloroethane	16.150	0.50	20.00	0	80.8	68	133	18.30	12.5	20	
1,1-Dichloroethene	16.020	0.50	20.00	0	80.1	63	132	17.58	9.29	20	
1,1-Dichloropropene	19.080	0.50	20.00	0	95.4	80	127	20.16	5.50	20	
1,2,3-Trichlorobenzene	18.580	0.50	20.00	0	92.9	80	120	20.62	10.4	20	
1,2,3-Trichloropropane	18.080	0.50	20.00	0	90.4	80	120	21.59	17.7	20	
1,2,4-Trichlorobenzene	18.990	0.50	20.00	0	95.0	80	120	21.05	10.3	20	
1,2,4-Trimethylbenzene	18.480	0.50	20.00	0	92.4	80	123	20.59	10.8	20	
1,2-Dibromo-3-chloropropane	19.830	1.0	20.00	0	99.2	71	128	20.69	4.24	20	
1,2-Dibromoethane	16.540	0.50	20.00	0	82.7	80	120	17.74	7.00	20	
1,2-Dichlorobenzene	18.830	0.50	20.00	0	94.2	80	120	20.90	10.4	20	
1,2-Dichloroethane	19.570	0.50	20.00	0	97.9	80	120	20.09	2.62	20	
1,2-Dichloropropane	17.950	0.50	20.00	0	89.8	80	120	19.42	7.87	20	
1,3,5-Trimethylbenzene	18.900	0.50	20.00	0	94.5	80	125	20.54	8.32	20	
1,3-Dichlorobenzene	19.920	0.50	20.00	0	99.6	80	120	21.78	8.92	20	
1,3-Dichloropropane	19.090	0.50	20.00	0	95.4	80	120	21.19	10.4	20	
1,4-Dichlorobenzene	18.470	0.50	20.00	0	92.4	80	120	19.91	7.50	20	

Qualifiers:

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 ORELAP/NELAP Cert 4046

CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032945
Project: ANCO 417 W. 164th St Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: CA181113-LCSD	SampType: LCSD	TestCode: 8260WATERP	Units: µg/L	Prep Date:	RunNo: 129920
Client ID: LCSS02	Batch ID: CA18VVW038	TestNo: EPA 8260B		Analysis Date: 11/13/2018	SeqNo: 3203492

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	17.010	0.50	20.00	0	85.0	66	139	18.85	10.3	20	
2-Butanone	167.200	5.0	200.0	0	83.6	55	150	210.2	22.8	20	R
2-Chlorotoluene	19.960	0.50	20.00	0	99.8	83	120	21.56	7.71	20	
4-Chlorotoluene	21.460	0.50	20.00	0	107	80	121	23.84	10.5	20	
4-Isopropyltoluene	19.350	0.50	20.00	0	96.8	80	126	21.05	8.42	20	
Benzene	17.220	0.50	20.00	0	86.1	80	120	18.28	5.97	20	
Bromobenzene	18.660	0.50	20.00	0	93.3	80	120	19.75	5.68	20	
Bromodichloromethane	17.260	0.50	20.00	0	86.3	80	120	19.77	13.6	20	
Bromoform	18.360	0.50	20.00	0	91.8	67	133	20.46	10.8	20	
Bromomethane	18.950	1.0	20.00	0	94.8	35	164	21.21	11.3	20	
Carbon tetrachloride	17.110	0.50	20.00	0	85.6	77	135	18.47	7.64	20	
Chlorobenzene	18.390	0.50	20.00	0	92.0	80	120	20.39	10.3	20	
Chloroethane	19.400	1.0	20.00	0	97.0	60	154	20.59	5.95	20	
Chloroform	16.460	0.50	20.00	0	82.3	75	120	18.11	9.55	20	
Chloromethane	18.230	0.50	20.00	0	91.2	59	140	19.92	8.86	20	
cis-1,2-Dichloroethene	16.620	0.50	20.00	0	83.1	78	120	18.40	10.2	20	
cis-1,3-Dichloropropene	19.480	0.50	20.00	0	97.4	80	120	19.31	0.877	20	
Dibromochloromethane	18.070	0.50	20.00	0	90.4	79	123	19.80	9.14	20	
Dibromomethane	18.300	0.50	20.00	0	91.5	80	120	18.94	3.44	20	
Dichlorodifluoromethane	21.480	0.50	20.00	0	107	57	147	24.03	11.2	20	
Ethylbenzene	20.780	0.50	20.00	0	104	80	120	22.24	6.79	20	
Freon-113	15.480	0.50	20.00	0	77.4	52	149	16.71	7.64	20	
Hexachlorobutadiene	18.720	0.50	20.00	0	93.6	73	125	20.60	9.56	20	
Isopropylbenzene	20.390	0.50	20.00	0	102	68	129	21.69	6.18	20	
m,p-Xylene	42.650	1.0	40.00	0	107	80	120	44.99	5.34	20	
Methylenechloride	18.740	2.0	20.00	0	93.7	68	134	20.09	6.95	20	
MTBE	16.870	0.50	20.00	0	84.4	67	129	18.75	10.6	20	
n-Butylbenzene	20.860	0.50	20.00	0	104	79	130	22.38	7.03	20	
n-Propylbenzene	22.220	0.50	20.00	0	111	80	128	23.35	4.96	20	
Naphthalene	15.500	0.50	20.00	0	77.5	62	126	17.62	12.8	20	

Qualifiers:

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CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032945
Project: ANCO 417 W. 164th St Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	20.720	0.50	20.00	0	104	80	120	22.37	7.66	20	
sec-Butylbenzene	21.940	0.50	20.00	0	110	80	129	23.79	8.09	20	
Styrene	24.000	0.50	20.00	0	120	80	120	26.40	9.52	20	
tert-Butylbenzene	22.310	0.50	20.00	0	112	80	125	23.63	5.75	20	
Tetrachloroethene	18.310	0.50	20.00	0	91.6	78	123	20.32	10.4	20	
Toluene	18.620	0.50	20.00	0	93.1	80	120	19.18	2.96	20	
trans-1,2-Dichloroethene	16.900	0.50	20.00	0	84.5	75	125	18.79	10.6	20	
Trichloroethene	17.920	0.50	20.00	0	89.6	80	120	18.96	5.64	20	
Trichlorofluoromethane	18.060	0.50	20.00	0	90.3	64	147	20.54	12.8	20	
Vinyl chloride	19.790	0.50	20.00	0	99.0	66	140	20.54	3.72	20	
Surr: 1,2-Dichloroethane-d4	22.300		25.00		89.2	75	130		0		
Surr: 4-Bromofluorobenzene	26.640		25.00		107	80	120		0		
Surr: Dibromofluoromethane	23.720		25.00		94.9	80	128		0		
Surr: Toluene-d8	25.510		25.00		102	80	120		0		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	0.50									
1,1,1-Trichloroethane	ND	0.50									
1,1,2,2-Tetrachloroethane	ND	0.50									
1,1,2-Trichloroethane	ND	0.50									
1,1-Dichloroethane	ND	0.50									
1,1-Dichloroethene	ND	0.50									
1,1-Dichloropropene	ND	0.50									
1,2,3-Trichlorobenzene	ND	0.50									
1,2,3-Trichloropropane	ND	0.50									
1,2,4-Trichlorobenzene	ND	0.50									
1,2,4-Trimethylbenzene	ND	0.50									

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CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032945
Project: ANCO 417 W. 164th St Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: CA181113-MB3	SampType: MBLK	TestCode: 8260WATERP	Units: µg/L	Prep Date:	RunNo: 129920
Client ID: PBW	Batch ID: CA18VVW038	TestNo: EPA 8260B		Analysis Date: 11/13/2018	SeqNo: 3203495

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	ND	1.0									
1,2-Dibromoethane	ND	0.50									
1,2-Dichlorobenzene	ND	0.50									
1,2-Dichloroethane	ND	0.50									
1,2-Dichloropropane	ND	0.50									
1,3,5-Trimethylbenzene	ND	0.50									
1,3-Dichlorobenzene	ND	0.50									
1,3-Dichloropropane	ND	0.50									
1,4-Dichlorobenzene	ND	0.50									
2,2-Dichloropropane	ND	0.50									
2-Butanone	ND	5.0									
2-Chlorotoluene	ND	0.50									
4-Chlorotoluene	ND	0.50									
4-Isopropyltoluene	ND	0.50									
Benzene	ND	0.50									
Bromobenzene	ND	0.50									
Bromodichloromethane	ND	0.50									
Bromoform	ND	0.50									
Bromomethane	ND	1.0									
Carbon tetrachloride	ND	0.50									
Chlorobenzene	ND	0.50									
Chloroethane	ND	1.0									
Chloroform	ND	0.50									
Chloromethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
cis-1,3-Dichloropropene	ND	0.50									
Dibromochloromethane	ND	0.50									
Dibromomethane	ND	0.50									
Dichlorodifluoromethane	ND	0.50									
Ethylbenzene	ND	0.50									

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CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032945
Project: ANCO 417 W. 164th St Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: CA181113-MB3	SampType: MBLK	TestCode: 8260WATERP	Units: µg/L	Prep Date:	RunNo: 129920
Client ID: PBW	Batch ID: CA18VW038	TestNo: EPA 8260B		Analysis Date: 11/13/2018	SeqNo: 3203495

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Freon-113	ND	0.50									
Hexachlorobutadiene	ND	0.50									
Isopropylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
Methylene chloride	ND	2.0									
MTBE	ND	0.50									
n-Butylbenzene	ND	0.50									
n-Propylbenzene	ND	0.50									
Naphthalene	ND	0.50									
o-Xylene	ND	0.50									
sec-Butylbenzene	ND	0.50									
Styrene	ND	0.50									
tert-Butylbenzene	ND	0.50									
Tetrachloroethene	ND	0.50									
Toluene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Trichloroethene	ND	0.50									
Trichlorofluoromethane	ND	0.50									
Vinyl chloride	ND	0.50									
Surr: 1,2-Dichloroethane-d4	24.270		25.00		97.1	75	130				
Surr: 4-Bromofluorobenzene	24.170		25.00		96.7	80	120				
Surr: Dibromofluoromethane	24.640		25.00		98.6	80	128				
Surr: Toluene-d8	26.010		25.00		104	80	120				

Sample ID: N032948-001A-MS	SampType: MS	TestCode: 8260WATERP	Units: µg/L	Prep Date:	RunNo: 129920
Client ID: ZZZZZ	Batch ID: CA18VW038	TestNo: EPA 8260B		Analysis Date: 11/13/2018	SeqNo: 3203501

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	91.600	2.5	100.0	0	91.6	80	124				
1,1,1-Trichloroethane	98.450	2.5	100.0	0	98.4	73	136				

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CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032945
Project: ANCO 417 W. 164th St Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: N032948-001A-MS	SampType: MS	TestCode: 8260WATERP	Units: µg/L	Prep Date:	RunNo: 129920
Client ID: ZZZZZ	Batch ID: CA18VW038	TestNo: EPA 8260B		Analysis Date: 11/13/2018	SeqNo: 3203501

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2,2-Tetrachloroethane	96.000	2.5	100.0	0	96.0	77	124				
1,1,2-Trichloroethane	92.550	2.5	100.0	0	92.6	79	120				
1,1-Dichloroethane	81.500	2.5	100.0	0	81.5	58	141				
1,1-Dichloroethene	82.550	2.5	100.0	0	82.6	59	143				
1,1-Dichloropropene	98.900	2.5	100.0	0	98.9	77	134				
1,2,3-Trichlorobenzene	100.150	2.5	100.0	0	100	77	129				
1,2,3-Trichloropropane	99.450	2.5	100.0	0	99.4	79	120				
1,2,4-Trichlorobenzene	96.550	2.5	100.0	0	96.6	79	123				
1,2,4-Trimethylbenzene	94.500	2.5	100.0	0	94.5	48	148				
1,2-Dibromo-3-chloropropane	103.200	5.0	100.0	0	103	71	130				
1,2-Dibromoethane	92.600	2.5	100.0	0	92.6	80	121				
1,2-Dichlorobenzene	97.950	2.5	100.0	0	98.0	80	120				
1,2-Dichloroethane	101.850	2.5	100.0	0	102	80	120				
1,2-Dichloropropane	95.350	2.5	100.0	0	95.4	79	120				
1,3,5-Trimethylbenzene	95.100	2.5	100.0	0	95.1	68	138				
1,3-Dichlorobenzene	99.750	2.5	100.0	0	99.8	80	120				
1,3-Dichloropropane	101.550	2.5	100.0	0	102	80	120				
1,4-Dichlorobenzene	96.150	2.5	100.0	0	96.2	85	115				
2,2-Dichloropropane	96.450	2.5	100.0	0	96.5	60	155				
2-Butanone	901.000	25	1000	0	90.1	42	162				
2-Chlorotoluene	99.700	2.5	100.0	0	99.7	80	124				
4-Chlorotoluene	107.650	2.5	100.0	0	108	80	125				
4-Isopropyltoluene	95.200	2.5	100.0	0	95.2	74	135				
Benzene	92.600	2.5	100.0	0	92.6	80	122				
Bromobenzene	98.050	2.5	100.0	0	98.0	80	120				
Bromodichloromethane	93.200	2.5	100.0	0	93.2	80	123				
Bromoform	99.750	2.5	100.0	0	99.8	71	134				
Bromomethane	89.200	5.0	100.0	0	89.2	39	157				
Carbon tetrachloride	96.250	2.5	100.0	0	96.2	75	145				
Chlorobenzene	92.250	2.5	100.0	0	92.2	80	120				

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CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032945
Project: ANCO 417 W. 164th St Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: N032948-001A-MS	SampType: MS	TestCode: 8260WATERP	Units: µg/L	Prep Date:	RunNo: 129920
Client ID: ZZZZZ	Batch ID: CA18VW038	TestNo: EPA 8260B		Analysis Date: 11/13/2018	SeqNo: 3203501

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroethane	89.450	5.0	100.0	0	89.4	61	154				
Chloroform	89.000	2.5	100.0	0	89.0	72	120				
Chloromethane	89.350	2.5	100.0	0	89.4	58	140				
cis-1,2-Dichloroethene	81.750	2.5	100.0	0	81.8	76	121				
cis-1,3-Dichloropropene	95.600	2.5	100.0	0	95.6	80	123				
Dibromochloromethane	97.450	2.5	100.0	0	97.5	78	126				
Dibromomethane	97.500	2.5	100.0	0	97.5	80	120				
Dichlorodifluoromethane	107.500	2.5	100.0	0	108	67	147				
Ethylbenzene	98.600	2.5	100.0	0	98.6	80	122				
Freon-113	81.300	2.5	100.0	0	81.3	63	152				
Hexachlorobutadiene	92.800	2.5	100.0	0	92.8	71	129				
Isopropylbenzene	101.450	2.5	100.0	0	101	77	133				
m,p-Xylene	207.450	5.0	200.0	0	104	80	129				
Methylenechloride	81.700	10	100.0	0	81.7	64	138				
MTBE	92.000	2.5	100.0	0	92.0	68	130				
n-Butylbenzene	102.750	2.5	100.0	0	103	76	140				
n-Propylbenzene	107.600	2.5	100.0	0	108	78	134				
Naphthalene	85.000	2.5	100.0	0	85.0	52	131				
o-Xylene	101.000	2.5	100.0	0	101	80	121				
sec-Butylbenzene	105.650	2.5	100.0	0	106	76	139				
Styrene	121.200	2.5	100.0	0	121	55	134				
tert-Butylbenzene	104.650	2.5	100.0	0	105	77	133				
Tetrachloroethene	94.300	2.5	100.0	0	94.3	75	133				
Toluene	94.250	2.5	100.0	0	94.2	80	120				
trans-1,2-Dichloroethene	80.200	2.5	100.0	0	80.2	70	132				
Trichloroethene	91.550	2.5	100.0	0	91.6	78	127				
Trichlorofluoromethane	91.500	2.5	100.0	0	91.5	66	151				
Vinyl chloride	94.150	2.5	100.0	0	94.2	63	143				
Surr: 1,2-Dichloroethane-d4	127.650		125.0		102	75	130				
Surr: 4-Bromofluorobenzene	133.600		125.0		107	80	120				

Qualifiers:

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: N032948-001A-MS	SampType: MS	TestCode: 8260WATERP	Units: µg/L	Prep Date:	RunNo: 129920						
Client ID: ZZZZZ	Batch ID: CA18VW038	TestNo: EPA 8260B	Analysis Date: 11/13/2018	SeqNo: 3203501							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	123.400		125.0		98.7	80	128				
Surr: Toluene-d8	129.800		125.0		104	80	120				

Sample ID: N032948-001A-MSD	SampType: MSD	TestCode: 8260WATERP	Units: µg/L	Prep Date:	RunNo: 129920						
Client ID: ZZZZZ	Batch ID: CA18VW038	TestNo: EPA 8260B	Analysis Date: 11/13/2018	SeqNo: 3203502							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	94.300	2.5	100.0	0	94.3	80	124	91.60	2.90	20	
1,1,1-Trichloroethane	94.100	2.5	100.0	0	94.1	73	136	98.45	4.52	20	
1,1,2,2-Tetrachloroethane	88.000	2.5	100.0	0	88.0	77	124	96.00	8.70	20	
1,1,2-Trichloroethane	91.700	2.5	100.0	0	91.7	79	120	92.55	0.923	20	
1,1-Dichloroethane	86.200	2.5	100.0	0	86.2	58	141	81.50	5.61	20	
1,1-Dichloroethene	78.700	2.5	100.0	0	78.7	59	143	82.55	4.78	20	
1,1-Dichloropropene	88.900	2.5	100.0	0	88.9	77	134	98.90	10.6	20	
1,2,3-Trichlorobenzene	96.650	2.5	100.0	0	96.7	77	129	100.2	3.56	20	
1,2,3-Trichloropropane	98.650	2.5	100.0	0	98.6	79	120	99.45	0.808	20	
1,2,4-Trichlorobenzene	92.450	2.5	100.0	0	92.5	79	123	96.55	4.34	20	
1,2,4-Trimethylbenzene	92.550	2.5	100.0	0	92.6	48	148	94.50	2.09	20	
1,2-Dibromo-3-chloropropane	93.550	5.0	100.0	0	93.6	71	130	103.2	9.81	20	
1,2-Dibromoethane	93.450	2.5	100.0	0	93.4	80	121	92.60	0.914	20	
1,2-Dichlorobenzene	95.950	2.5	100.0	0	96.0	80	120	97.95	2.06	20	
1,2-Dichloroethane	94.150	2.5	100.0	0	94.2	80	120	101.9	7.86	20	
1,2-Dichloropropane	98.200	2.5	100.0	0	98.2	79	120	95.35	2.94	20	
1,3,5-Trimethylbenzene	91.300	2.5	100.0	0	91.3	68	138	95.10	4.08	20	
1,3-Dichlorobenzene	94.350	2.5	100.0	0	94.4	80	120	99.75	5.56	20	
1,3-Dichloropropane	102.500	2.5	100.0	0	103	80	120	101.6	0.931	20	
1,4-Dichlorobenzene	91.600	2.5	100.0	0	91.6	85	115	96.15	4.85	20	
2,2-Dichloropropane	87.300	2.5	100.0	0	87.3	60	155	96.45	9.96	20	
2-Butanone	750.800	25	1000	0	75.1	42	162	901.0	18.2	20	
2-Chlorotoluene	97.500	2.5	100.0	0	97.5	80	124	99.70	2.23	20	

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference



CALIFORNIA | P:562.219.7435 F:562.219.7436
 11110 Artesia Blvd., Ste B, Cerritos, CA 90703
 ELAP Cert 2921
 EPA ID CA01638

NEVADA | P:702.307.2659 F:702.307.2691
 3151 W. Post Rd., Las Vegas, NV 89118
 ELAP Cert 2676 | NV Cert NVO0922
 ORELAP/NELAP Cert 4046

CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032945
Project: ANCO 417 W. 164th St Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: N032948-001A-MSD	SampType: MSD	TestCode: 8260WATERP	Units: µg/L	Prep Date:	RunNo: 129920
Client ID: ZZZZZ	Batch ID: CA18VVW038	TestNo: EPA 8260B		Analysis Date: 11/13/2018	SeqNo: 3203502

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chlorotoluene	104.050	2.5	100.0	0	104	80	125	107.6	3.40	20	
4-Isopropyltoluene	94.850	2.5	100.0	0	94.8	74	135	95.20	0.368	20	
Benzene	88.150	2.5	100.0	0	88.2	80	122	92.60	4.92	20	
Bromobenzene	94.050	2.5	100.0	0	94.0	80	120	98.05	4.16	20	
Bromodichloromethane	88.250	2.5	100.0	0	88.2	80	123	93.20	5.46	20	
Bromoform	93.550	2.5	100.0	0	93.6	71	134	99.75	6.41	20	
Bromomethane	94.850	5.0	100.0	0	94.8	39	157	89.20	6.14	20	
Carbon tetrachloride	88.700	2.5	100.0	0	88.7	75	145	96.25	8.16	20	
Chlorobenzene	95.050	2.5	100.0	0	95.1	80	120	92.25	2.99	20	
Chloroethane	92.200	5.0	100.0	0	92.2	61	154	89.45	3.03	20	
Chloroform	87.000	2.5	100.0	0	87.0	72	120	89.00	2.27	20	
Chloromethane	89.950	2.5	100.0	0	90.0	58	140	89.35	0.669	20	
cis-1,2-Dichloroethene	81.000	2.5	100.0	0	81.0	76	121	81.75	0.922	20	
cis-1,3-Dichloropropene	95.900	2.5	100.0	0	95.9	80	123	95.60	0.313	20	
Dibromochloromethane	93.850	2.5	100.0	0	93.8	78	126	97.45	3.76	20	
Dibromomethane	93.750	2.5	100.0	0	93.8	80	120	97.50	3.92	20	
Dichlorodifluoromethane	104.150	2.5	100.0	0	104	67	147	107.5	3.17	20	
Ethylbenzene	98.800	2.5	100.0	0	98.8	80	122	98.60	0.203	20	
Freon-113	75.450	2.5	100.0	0	75.4	63	152	81.30	7.46	20	
Hexachlorobutadiene	88.550	2.5	100.0	0	88.6	71	129	92.80	4.69	20	
Isopropylbenzene	98.150	2.5	100.0	0	98.2	77	133	101.5	3.31	20	
m,p-Xylene	206.000	5.0	200.0	0	103	80	129	207.4	0.701	20	
Methylene chloride	91.200	10	100.0	0	91.2	64	138	81.70	11.0	20	
MTBE	89.900	2.5	100.0	0	89.9	68	130	92.00	2.31	20	
n-Butylbenzene	99.800	2.5	100.0	0	99.8	76	140	102.8	2.91	20	
n-Propylbenzene	104.500	2.5	100.0	0	104	78	134	107.6	2.92	20	
Naphthalene	83.200	2.5	100.0	0	83.2	52	131	85.00	2.14	20	
o-Xylene	100.750	2.5	100.0	0	101	80	121	101.0	0.248	20	
sec-Butylbenzene	104.350	2.5	100.0	0	104	76	139	105.6	1.24	20	
Styrene	121.450	2.5	100.0	0	121	55	134	121.2	0.206	20	

Qualifiers:

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CLIENT: Leymaster Environmental Consulting, LLC
Work Order: N032945
Project: ANCO 417 W. 164th St Carson, CA

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: N032948-001A-MSD	SampType: MSD	TestCode: 8260WATERP	Units: µg/L	Prep Date:	RunNo: 129920						
Client ID: ZZZZZ	Batch ID: CA18VW038	TestNo: EPA 8260B	Analysis Date: 11/13/2018	SeqNo: 3203502							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
tert-Butylbenzene	102.950	2.5	100.0	0	103	77	133	104.6	1.64	20	
Tetrachloroethene	90.200	2.5	100.0	0	90.2	75	133	94.30	4.44	20	
Toluene	91.650	2.5	100.0	0	91.7	80	120	94.25	2.80	20	
trans-1,2-Dichloroethene	82.700	2.5	100.0	0	82.7	70	132	80.20	3.07	20	
Trichloroethene	88.400	2.5	100.0	0	88.4	78	127	91.55	3.50	20	
Trichlorofluoromethane	95.200	2.5	100.0	0	95.2	66	151	91.50	3.96	20	
Vinyl chloride	91.950	2.5	100.0	0	92.0	63	143	94.15	2.36	20	
Surr: 1,2-Dichloroethane-d4	119.750		125.0		95.8	75	130		0		
Surr: 4-Bromofluorobenzene	134.650		125.0		108	80	120		0		
Surr: Dibromofluoromethane	120.900		125.0		96.7	80	128		0		
Surr: Toluene-d8	125.150		125.0		100	80	120		0		

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
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CHAIN OF CUSTODY RECORD

Client: <u>Laymaster Con Con</u>		Report to: <u>LC</u>		Bill to:		EDD Requirement		QA/QC		Sample Receipt Condition			
Address: <u>5500 E. Atherton St #210</u>		Company:		Address:		Excel EDD <input type="checkbox"/>		RTNE <input checked="" type="checkbox"/>		Y N			
Address: <u>Long Beach, CA 90815</u>		Email: <u>Charles@laymaster.net</u>		Address:		Geotracker <input type="checkbox"/>		RWQCB <input checked="" type="checkbox"/>		1. Chilled <input checked="" type="checkbox"/>			
Phone: <u>562-949-9846</u>		Address:		Email to:		Labspec <input type="checkbox"/>		CelTrans <input type="checkbox"/>		2. Headspace <input checked="" type="checkbox"/>			
Submitted By: <u>Charles Lindeman</u>		Address:		PO#:		Others <input type="checkbox"/>		Level III <input type="checkbox"/>		3. Container Intact <input checked="" type="checkbox"/>			
Title:		Phone:		Phone:		Specify:		LEVEL IV <input type="checkbox"/>		4. Seal Present <input type="checkbox"/>			
Signature: <u>Charles Lindeman</u>		Fax:		Fax:		Regulatory <input type="checkbox"/>		Specify State:		5. IR number <u>2</u>			
Date: <u>11/12/18</u>		Sampler's Signature and Date: <u>Charles Lindeman 11/12/18</u>		Matrix		Analyses Requested		6. Method of Cooling <u>ICE</u>		Sample Temp: <u>2.6°C</u>			
Project Name: <u>AVCO</u>		I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.		Ground <input checked="" type="checkbox"/>		Sediment <input type="checkbox"/>		8260 B Vals		Turn Around Time		Courier: <u>ASSET</u>	
Project Number: <u>Carson, CA</u>		Sampler's Name: <u>Charles Lindeman</u>		Potable <input type="checkbox"/>		Soil <input type="checkbox"/>				No. of container		Tracking No.	
				NPDES <input type="checkbox"/>		Other Solid <input type="checkbox"/>				Container Type		PRESERVATION	
Project Number: <u>Carson, CA</u>		Sampler's Name: <u>Charles Lindeman</u>		Surface <input type="checkbox"/>								Remarks	
Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others					Remarks	
1	N032945-01	Influent	11/12/18	800	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>				E3	VH
2													
3	-02	Effluent	11/12/18	802	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>				E3	VH
4													
5													
6													
7													
8													
9													
10													
Relinquished by (Signature and Printed Name): <u>Charles Lindeman</u>		Date / Time: <u>11/12/18 13:30</u>		Received by (Signature and Printed Name): <u>Karla Sevilla</u>		Date / Time: <u>11/12/18 13:50</u>		Turn Around Time (TAT)		Special Instruction: <u>PQLS</u>			
Relinquished by (Signature and Printed Name): <u>K. Sevilla</u>		Date / Time: <u>11/12/18 14:30</u>		Received by (Signature and Printed Name): <u>[Signature]</u>		Date / Time: <u>11/12/18 14:30</u>		<input type="checkbox"/> A < 24 Hrs or Same Day TAT <input type="checkbox"/> B = Next Workday <input type="checkbox"/> C = 2 Workdays <input type="checkbox"/> D = 3 Workdays <input checked="" type="checkbox"/> E = Routine 5-7 Workdays TAT Starts at 8 AM the following day if samples received after 3:00 PM.					
Relinquished by (Signature and Printed Name):		Date / Time:		Received by (Signature and Printed Name):		Date / Time:							
Terms		5. Trip Blanks and Equipment Blanks are billable sample.		6. ASSET Laboratories is not responsible for samples collected using incorrect methodology.		7. Terms are net 30 Days.		8. All reports are submitted in electronic format. Please inform ASSET Laboratories if hard copy of report is needed.		9. For subcontract analysis, TAT and Surcharges will vary.		Preservatives:	
1. All samples will be disposed in 45 days upon receipt and records will be destroyed in 5 years upon submission of final report.		2. Regular TAT is 5-7 business days, surcharges will apply for rush analysis		3. Less than 24 Hrs = 200%		Next Day = 300%		2 Workdays = 50%		3 Workdays = 35%		4 Workdays = 20%	
3. Custom EDD formats will be an additional 3% of the total project price.		4. Add 10% surcharge for Level III Data Packages, 15% for Level IV Data Packages. Surcharge applied on total project price.										Container Type:	
												H = HCl N = HNO3 S = H2SO4 C = 4°C T = Tube V = VOA P = Pint	
												Z = Zn(AC)2 O = NaOH T = Na2S2O3 J = Jar B = Tedlar G = Glass	
												Others/Specify: M = Metal P = Plastic C = Can	

ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On: 11/12/2018 Workorder: N032945
 Rep sample Temp (Deg C): 2.6 IR Gun ID: 2
 Temp Blank: Yes No
 Carrier name: ASSET
 Last 4 digits of Tracking No.: NA Packing Material Used: None
 Cooling process: Ice Ice Pack Dry Ice Other None

Sample Receipt Checklist

- | | | | |
|---|---|-----------------------------|---|
| 1. Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 16. Were there Non-Conformance issues at login?
Was Client notified? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Comments:

Checklist Completed By: MCS  11/13/18

Reviewed By:  11/14/2018

ASSET Laboratories

WORK ORDER Summary

13-Nov-18

WorkOrder: N032945

Client ID: LEYEN01

Project: ANCO 417 W. 164th St Carson, CA

QC Level: RTNE

Date Received: 11/12/2018

Comments: PQLs

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N032945-001A	Influent	11/12/2018 8:00:00 AM	11/19/2018	Groundwater	EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N032945-002A	Effluent	11/12/2018 8:02:00 AM	11/19/2018		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N032945-003A	FOLDER	11/19/2018	11/19/2018		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			11/19/2018		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB

December 14, 2018

Leymaster Environmental Consulting, LLC

5500 E. Atherton Street, Suite 210

Long Beach, CA 90815

Re: ANCO 417 W. 164th St.

Project No. : 417 W. 164th St., Carson

Work Order: P812013

Dear Charles Lindeman

Enclosed are the results of analyses for samples received by our laboratory on 12/10/2018. The contents of this report apply to the sample(s) analyzed in accordance with the chain-of-custody document supplied with the sample(s).

No duplication of this report is allowed, except in its entirety. Please do not hesitate to call if you have any questions and thank you very much for using Performance Analytical Laboratories for your analytical needs.

Regards,



Marycarol Valenzuela
Project Manager

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Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St., Carson
Project Manager: Charles Lindeman

Samples in this Report

Lab ID	Sample	Qualifier	Matrix	Date Sampled	Date Received
P812013-01	Influent		Water	12/10/2018	12/10/2018
P812013-02	Effluent		Water	12/10/2018	12/10/2018

Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St., Carson
Project Manager: Charles Lindeman

Sample: Influent

P812013-01 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8L0020)							
Acetone	41.4	µg/L	1	20.0	12/10/2018	EPA 8260B	
Acetonitrile	ND	µg/L	1	20.0	12/10/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	1	5.00	12/10/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Benzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Bromobenzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Bromoform	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Bromomethane	ND	µg/L	1	5.00	12/10/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	ND	µg/L	1	5.00	12/10/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Chloroethane	ND	µg/L	1	5.00	12/10/2018	EPA 8260B	
Chloroform	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Chloromethane	ND	µg/L	1	5.00	12/10/2018	EPA 8260B	
Chloroprene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	1	5.00	12/10/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Dibromomethane	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,1-Dichloroethane	1.56	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,1-Dichloroethene	7.43	µg/L	1	1.00	12/10/2018	EPA 8260B	
c-1,2-Dichloroethene	5.79	µg/L	1	1.00	12/10/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St., Carson
Project Manager: Charles Lindeman

Sample: Influent (Continued)

P812013-01 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8L0020) (Continued)							
c-1,3-Dichloropropene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
t-1,2-Dichloroethene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	1	5.00	12/10/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	1	5.00	12/10/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
2-Hexanone	ND	µg/L	1	5.00	12/10/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	1	5.00	12/10/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	1	20.0	12/10/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	39.4	µg/L	1	1.00	12/10/2018	EPA 8260B	
Naphthalene	ND	µg/L	1	5.00	12/10/2018	EPA 8260B	
Propionitrile	ND	µg/L	1	5.00	12/10/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Styrene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	1	25.0	12/10/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Tetrachloroethene	138	µg/L	1	1.00	12/10/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	1	20.0	12/10/2018	EPA 8260B	
Toluene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St., Carson
Project Manager: Charles Lindeman

Sample: Influent (Continued)

P812013-01 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8L0020) (Continued)							
1,2,4-Trichlorobenzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,1,1-Trichloroethane	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,1,2-Trichloroethane	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Trichloroethene	31.1	µg/L	1	1.00	12/10/2018	EPA 8260B	
Trichlorofluoromethane	1.47	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.44	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
o-Xylene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	1	2.00	12/10/2018	EPA 8260B	
Total Xylenes	ND	µg/L	1	3.00	12/10/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
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Surrogate: Dibromofluoromethane	102%			60-140	12/10/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	94.1%			60-140	12/10/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	104%			60-140	12/10/2018	EPA 8260B	
Surrogate: Toluene-d8	98.8%			60-140	12/10/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St., Carson
Project Manager: Charles Lindeman

Sample: Effluent

P812013-02 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
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Volatile Organic Compounds (Batch ID: B8L0020)

Acetone	23.7	µg/L	1	20.0	12/10/2018	EPA 8260B	
Acetonitrile	ND	µg/L	1	20.0	12/10/2018	EPA 8260B	
Acrylonitrile	ND	µg/L	1	5.00	12/10/2018	EPA 8260B	
Allyl Chloride	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Benzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Bromobenzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Bromochloromethane	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Bromodichloromethane	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Bromoform	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Bromomethane	ND	µg/L	1	5.00	12/10/2018	EPA 8260B	
2-Butanone (Methyl Ethyl Ketone - MEK)	ND	µg/L	1	5.00	12/10/2018	EPA 8260B	
n-Butylbenzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Carbon Disulfide	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Carbon Tetrachloride	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Chlorobenzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Chloroethane	ND	µg/L	1	5.00	12/10/2018	EPA 8260B	
Chloroform	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Chloromethane	ND	µg/L	1	5.00	12/10/2018	EPA 8260B	
Chloroprene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
2-Chlorotoluene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
4-Chlorotoluene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,2-Dibromo-3-Chloropropane	ND	µg/L	1	5.00	12/10/2018	EPA 8260B	
Dibromochloromethane	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Dibromomethane	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
cis-1,4-dichloro-2-butene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
t-1,4-Dichloro-2-Butene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,2-Dichlorobenzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,3-Dichlorobenzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,4-Dichlorobenzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Dichlorodifluoromethane (Freon 12)	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,1-Dichloroethane	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,2-Dichloroethane	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,1-Dichloroethene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
c-1,2-Dichloroethene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
c-1,3-Dichloropropene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St., Carson
Project Manager: Charles Lindeman

Sample: Effluent (Continued)

P812013-02 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8L0020) (Continued)							
t-1,2-Dichloroethene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,2-Dichloropropane	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,3-Dichloropropane	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
2,2-Dichloropropane	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,1-Dichloropropene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
t-1,3-Dichloropropene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Diethyl Ether	ND	µg/L	1	5.00	12/10/2018	EPA 8260B	
Diisopropyl Ether (DIPE)	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Ethylbenzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Ethyl Methacrylate	ND	µg/L	1	5.00	12/10/2018	EPA 8260B	
Ethyl-tert-butyl-ether (ETBE)	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Hexachloro-1,3-Butadiene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
2-Hexanone	ND	µg/L	1	5.00	12/10/2018	EPA 8260B	
Isopropylbenzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
p-Isopropyltoluene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Methacrylonitrile	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Methylene Chloride	ND	µg/L	1	5.00	12/10/2018	EPA 8260B	
Methyl Methacrylate	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
4-Methyl-2-Pentanone	ND	µg/L	1	20.0	12/10/2018	EPA 8260B	
Methyl-t-Butyl Ether (MTBE)	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Naphthalene	ND	µg/L	1	5.00	12/10/2018	EPA 8260B	
Propionitrile	ND	µg/L	1	5.00	12/10/2018	EPA 8260B	
n-Propylbenzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
sec-Butylbenzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Styrene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Tert-amyl-Methyl Ether (TAME)	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Tert-Butyl Alcohol (TBA)	ND	µg/L	1	25.0	12/10/2018	EPA 8260B	
tert-Butylbenzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Tetrachloroethene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Tetrahydrofuran	ND	µg/L	1	20.0	12/10/2018	EPA 8260B	
Toluene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,2,3-Trichlorobenzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,2,4-Trichlorobenzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,1,1-Trichloroethane	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St., Carson
Project Manager: Charles Lindeman

Sample: Effluent (Continued)

P812013-02 (Water)

Analyte	Result	Units	DF	Reporting Limit	Date Analyzed	Method	Qual
Volatile Organic Compounds (Batch ID: B8L0020) (Continued)							
1,1,2-Trichloroethane	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Trichloroethene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Trichlorofluoromethane	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,2,3-Trichloropropane	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,2,4-Trimethylbenzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
1,3,5-Trimethylbenzene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
Vinyl Chloride	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
o-Xylene	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	
p/m-Xylene	ND	µg/L	1	2.00	12/10/2018	EPA 8260B	
Total Xylenes	ND	µg/L	1	3.00	12/10/2018	EPA 8260B	
Total Trihalomethanes (TTHM)	ND	µg/L	1	1.00	12/10/2018	EPA 8260B	

Surrogate: Dibromofluoromethane	102%			60-140	12/10/2018	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	93.7%			60-140	12/10/2018	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	106%			60-140	12/10/2018	EPA 8260B	
Surrogate: Toluene-d8	98.2%			60-140	12/10/2018	EPA 8260B	

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Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St., Carson
Project Manager: Charles Lindeman

Quality Control

Volatile Organic Compounds

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: B8L0020

Blank (B8L0020-BLK1)

Prepared & Analyzed: 12/10/2018

Acetone	ND		20.0	µg/L						
Acetonitrile	ND		20.0	µg/L						
Acrylonitrile	ND		5.00	µg/L						
Allyl Chloride	ND		1.00	µg/L						
Benzene	ND		1.00	µg/L						
Bromobenzene	ND		1.00	µg/L						
Bromochloromethane	ND		1.00	µg/L						
Bromodichloromethane	ND		1.00	µg/L						
Bromoform	ND		1.00	µg/L						
Bromomethane	ND		5.00	µg/L						
2-Butanone (Methyl Ethyl Ketone - MEK)	ND		5.00	µg/L						
n-Butylbenzene	ND		1.00	µg/L						
Carbon Disulfide	ND		1.00	µg/L						
Carbon Tetrachloride	ND		1.00	µg/L						
Chlorobenzene	ND		1.00	µg/L						
Chloroethane	ND		5.00	µg/L						
Chloroform	ND		1.00	µg/L						
Chloromethane	ND		5.00	µg/L						
Chloroprene	ND		1.00	µg/L						
2-Chlorotoluene	ND		1.00	µg/L						
4-Chlorotoluene	ND		1.00	µg/L						
1,2-Dibromo-3-Chloropropane	ND		5.00	µg/L						
Dibromochloromethane	ND		1.00	µg/L						
1,2-Dibromoethane (EDB)	ND		1.00	µg/L						
Dibromomethane	ND		1.00	µg/L						
cis-1,4-dichloro-2-butene	ND		1.00	µg/L						
t-1,4-Dichloro-2-Butene	ND		1.00	µg/L						
1,2-Dichlorobenzene	ND		1.00	µg/L						
1,3-Dichlorobenzene	ND		1.00	µg/L						
1,4-Dichlorobenzene	ND		1.00	µg/L						
Dichlorodifluoromethane (Freon 12)	ND		1.00	µg/L						
1,1-Dichloroethane	ND		1.00	µg/L						
1,2-Dichloroethane	ND		1.00	µg/L						
1,1-Dichloroethene	ND		1.00	µg/L						
c-1,2-Dichloroethene	ND		1.00	µg/L						
c-1,3-Dichloropropene	ND		1.00	µg/L						
t-1,2-Dichloroethene	ND		1.00	µg/L						
1,2-Dichloropropane	ND		1.00	µg/L						
1,3-Dichloropropane	ND		1.00	µg/L						
2,2-Dichloropropane	ND		1.00	µg/L						
1,1-Dichloropropene	ND		1.00	µg/L						
t-1,3-Dichloropropene	ND		1.00	µg/L						
Diethyl Ether	ND		5.00	µg/L						
Diisopropyl Ether (DIPE)	ND		1.00	µg/L						
Ethylbenzene	ND		1.00	µg/L						

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Project: ANCO 417 W. 164th St.
 Project Number: 417 W. 164th St., Carson
 Project Manager: Charles Lindeman

Quality Control
 (Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: B8L0020 (Continued)

Blank (B8L0020-BLK1)

Prepared & Analyzed: 12/10/2018

Ethyl Methacrylate	ND		5.00	µg/L						
Ethyl-tert-butyl-ether (ETBE)	ND		1.00	µg/L						
Hexachloro-1,3-Butadiene	ND		1.00	µg/L						
2-Hexanone	ND		5.00	µg/L						
Isopropylbenzene	ND		1.00	µg/L						
p-Isopropyltoluene	ND		1.00	µg/L						
Methacrylonitrile	ND		1.00	µg/L						
Methylene Chloride	ND		5.00	µg/L						
Methyl Methacrylate	ND		1.00	µg/L						
4-Methyl-2-Pentanone	ND		20.0	µg/L						
Methyl-t-Butyl Ether (MTBE)	ND		1.00	µg/L						
Naphthalene	ND		5.00	µg/L						
Propionitrile	ND		5.00	µg/L						
n-Propylbenzene	ND		1.00	µg/L						
sec-Butylbenzene	ND		1.00	µg/L						
Styrene	ND		1.00	µg/L						
Tert-amyl-Methyl Ether (TAME)	ND		1.00	µg/L						
Tert-Butyl Alcohol (TBA)	ND		25.0	µg/L						
tert-Butylbenzene	ND		1.00	µg/L						
1,1,1,2-Tetrachloroethane	ND		1.00	µg/L						
1,1,2,2-Tetrachloroethane	ND		1.00	µg/L						
Tetrachloroethene	ND		1.00	µg/L						
Tetrahydrofuran	ND		20.0	µg/L						
Toluene	ND		1.00	µg/L						
1,2,3-Trichlorobenzene	ND		1.00	µg/L						
1,2,4-Trichlorobenzene	ND		1.00	µg/L						
1,1,1-Trichloroethane	ND		1.00	µg/L						
1,1,2-Trichloroethane	ND		1.00	µg/L						
Trichloroethene	ND		1.00	µg/L						
Trichlorofluoromethane	ND		1.00	µg/L						
1,2,3-Trichloropropane	ND		1.00	µg/L						
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1.00	µg/L						
1,2,4-Trimethylbenzene	ND		1.00	µg/L						
1,3,5-Trimethylbenzene	ND		1.00	µg/L						
Vinyl Chloride	ND		1.00	µg/L						
o-Xylene	ND		1.00	µg/L						
p/m-Xylene	ND		2.00	µg/L						
Total Xylenes	ND		3.00	µg/L						
Total Trihalomethanes (TTHM)	ND		1.00	µg/L						
Surrogate: Dibromofluoromethane	50.3			µg/L	50.0		101	60-140		
Surrogate: 4-Bromofluorobenzene	47.8			µg/L	50.0		95.6	60-140		
Surrogate: 1,2-Dichloroethane-d4	50.4			µg/L	50.0		101	60-140		
Surrogate: Toluene-d8	48.4			µg/L	50.0		96.9	60-140		

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Project Number: 417 W. 164th St., Carson
Project Manager: Charles Lindeman

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8L0020 (Continued)										
LCS (B8L0020-BS1)										
Prepared & Analyzed: 12/10/2018										
Benzene	41.5		1.00	µg/L	40.0		104	70-130		
Bromobenzene	43.0		1.00	µg/L	40.0		107	70-130		
Bromodichloromethane	42.4		1.00	µg/L	40.0		106	70-130		
Bromoform	41.8		1.00	µg/L	40.0		104	70-130		
Chlorobenzene	41.3		1.00	µg/L	40.0		103	70-130		
Chloroethane	37.4		5.00	µg/L	40.0		93.4	70-130		
Chloroform	41.6		1.00	µg/L	40.0		104	70-130		
4-Chlorotoluene	40.8		1.00	µg/L	40.0		102	70-130		
Dibromomethane	44.1		1.00	µg/L	40.0		110	70-130		
1,2-Dichlorobenzene	41.4		1.00	µg/L	40.0		103	70-130		
1,1-Dichloroethene	40.5		1.00	µg/L	40.0		101	70-130		
1,2-Dichloropropane	41.0		1.00	µg/L	40.0		102	70-130		
2,2-Dichloropropane	42.3		1.00	µg/L	40.0		106	70-130		
1,1-Dichloropropene	41.4		1.00	µg/L	40.0		103	70-130		
Diethyl Ether	38.7		5.00	µg/L	40.0		96.6	70-130		
Diisopropyl Ether (DIPE)	40.9		1.00	µg/L	40.0		102	70-130		
Ethylbenzene	42.4		1.00	µg/L	40.0		106	70-130		
Hexachloro-1,3-Butadiene	39.3		1.00	µg/L	40.0		98.3	70-130		
Methylene Chloride	41.3		5.00	µg/L	40.0		103	70-130		
Methyl-t-Butyl Ether (MTBE)	42.0		1.00	µg/L	40.0		105	70-130		
Styrene	43.2		1.00	µg/L	40.0		108	70-130		
tert-Butylbenzene	40.8		1.00	µg/L	40.0		102	70-130		
Tetrachloroethene	41.0		1.00	µg/L	40.0		103	70-130		
Toluene	41.1		1.00	µg/L	40.0		103	70-130		
1,2,3-Trichlorobenzene	42.5		1.00	µg/L	40.0		106	70-130		
Trichloroethene	40.4		1.00	µg/L	40.0		101	70-130		
1,3,5-Trimethylbenzene	43.5		1.00	µg/L	40.0		109	70-130		
Vinyl Chloride	36.8		1.00	µg/L	40.0		91.9	70-130		
Surrogate: Dibromofluoromethane	50.1			µg/L	50.0		100	60-140		
Surrogate: 4-Bromofluorobenzene	51.0			µg/L	50.0		102	60-140		
Surrogate: 1,2-Dichloroethane-d4	50.0			µg/L	50.0		100	60-140		
Surrogate: Toluene-d8	50.1			µg/L	50.0		100	60-140		

Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St., Carson
Project Manager: Charles Lindeman

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8L0020 (Continued)										
LCS Dup (B8L0020-BSD1)										
Prepared & Analyzed: 12/10/2018										
Benzene	41.2		1.00	µg/L	40.0		103	70-130	0.798	20
Bromobenzene	42.3		1.00	µg/L	40.0		106	70-130	1.60	20
Bromodichloromethane	42.3		1.00	µg/L	40.0		106	70-130	0.212	20
Bromoform	42.1		1.00	µg/L	40.0		105	70-130	0.787	20
Chlorobenzene	41.4		1.00	µg/L	40.0		104	70-130	0.145	20
Chloroethane	37.0		5.00	µg/L	40.0		92.5	70-130	0.941	20
Chloroform	41.1		1.00	µg/L	40.0		103	70-130	1.31	20
4-Chlorotoluene	41.0		1.00	µg/L	40.0		103	70-130	0.489	20
Dibromomethane	43.6		1.00	µg/L	40.0		109	70-130	1.10	20
1,2-Dichlorobenzene	41.5		1.00	µg/L	40.0		104	70-130	0.434	20
1,1-Dichloroethene	39.7		1.00	µg/L	40.0		99.2	70-130	2.14	20
1,2-Dichloropropane	40.7		1.00	µg/L	40.0		102	70-130	0.710	20
2,2-Dichloropropane	42.1		1.00	µg/L	40.0		105	70-130	0.474	20
1,1-Dichloropropene	41.1		1.00	µg/L	40.0		103	70-130	0.704	20
Diethyl Ether	36.8		5.00	µg/L	40.0		91.9	70-130	5.07	20
Diisopropyl Ether (DIPE)	40.8		1.00	µg/L	40.0		102	70-130	0.0979	20
Ethylbenzene	41.8		1.00	µg/L	40.0		105	70-130	1.31	20
Hexachloro-1,3-Butadiene	40.6		1.00	µg/L	40.0		102	70-130	3.28	20
Methylene Chloride	40.1		5.00	µg/L	40.0		100	70-130	3.00	20
Methyl-t-Butyl Ether (MTBE)	41.3		1.00	µg/L	40.0		103	70-130	1.68	20
Styrene	43.4		1.00	µg/L	40.0		109	70-130	0.554	20
tert-Butylbenzene	41.2		1.00	µg/L	40.0		103	70-130	1.03	20
Tetrachloroethene	40.5		1.00	µg/L	40.0		101	70-130	1.32	20
Toluene	41.4		1.00	µg/L	40.0		103	70-130	0.679	20
1,2,3-Trichlorobenzene	42.8		1.00	µg/L	40.0		107	70-130	0.656	20
Trichloroethene	40.8		1.00	µg/L	40.0		102	70-130	0.935	20
1,3,5-Trimethylbenzene	43.4		1.00	µg/L	40.0		109	70-130	0.207	20
Vinyl Chloride	37.7		1.00	µg/L	40.0		94.2	70-130	2.42	20
Surrogate: Dibromofluoromethane	50.1			µg/L	50.0		100	60-140		
Surrogate: 4-Bromofluorobenzene	51.1			µg/L	50.0		102	60-140		
Surrogate: 1,2-Dichloroethane-d4	49.2			µg/L	50.0		98.4	60-140		
Surrogate: Toluene-d8	50.8			µg/L	50.0		102	60-140		

Leymaster Environmental Consulting, LLC
5500 E. Atherton Street, Suite 210
Long Beach, CA 90815

Project: ANCO 417 W. 164th St.
Project Number: 417 W. 164th St., Carson
Project Manager: Charles Lindeman

Notes and Definitions

Item	Definition
Dry	Sample results reported on a dry weight basis.
ND	Analyte NOT DETECTED at or above the reporting limit.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.
(R)	Re-run for dilution or confirmation.

Client Name		Address		Project Manager		Email		Phone		Project Name/Number		P.O. Number		Sampled By		Requested Analysis			
Lequaster Env. Con.		5500 E. Attenton St #210 Long Beach CA 90815		Charles Lindeman		Charles@lequaster.net		562-799-9866		ANCO 417 W. 164th St, Carson				Charles Lindeman		8260 B			
Client Sample ID / Description		Sample Date	Sample Time	Sample Matrix*	Container**		Quantity/ Type/ Preservation												
1 Testfluent		12/10/18	945	610	3in 40ml 104 v/100														
3 Effluent		12/10/18	947	610	3ea " "														
PAL Containers used:		Yes	No	None															
Type of Ice used:		Met	Blue																
Sample Preservative:		Yes	No																
TAT Needed (circle one)		5 day	24	48	72														
EDD Required - Circle one:		Yes	No																
Type of EDD:																			
Receipt Temp./Initials:		10.7 °C WU																	
(Temp recorded is not corrected)																			
Signature:		Print:		Signature:		Print:		Signature:		Print:		Signature:		Print:		Signature:		Print:	
Charles Lindeman		Charles Lindeman		Charles Lindeman		Charles Lindeman		Charles Lindeman		Charles Lindeman		Charles Lindeman		Charles Lindeman		Charles Lindeman		Charles Lindeman	
Company:		Company:		Company:		Company:		Company:		Company:		Company:		Company:		Company:		Company:	
Company:		Company:		Company:		Company:		Company:		Company:		Company:		Company:		Company:		Company:	
RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY	
DATE: 12/10/18		DATE: 12/10/18		DATE: 12/10/18		DATE: 12/10/18		DATE: 12/10/18		DATE: 12/10/18		DATE: 12/10/18		DATE: 12/10/18		DATE: 12/10/18		DATE: 12/10/18	
TIME: 1056		TIME: 1056		TIME: 1056		TIME: 1056		TIME: 1056		TIME: 1056		TIME: 1056		TIME: 1056		TIME: 1056		TIME: 1056	

*Matrix Codes: (S = Soils); (P = Product); (SED = Sediment); (FW = Freshwater); (MW = Wastewater); (STR/MW = Stormwater); (W = Other Water); (O = Other)
 **Container Code: (V = VOA); (P = Poly); (G = Glass); (L = Sleeve); (J = Jar)
 **Preservation Code: (H = HCl); (N = HNO3); (S = H2SO4); (O = NaOH); (Z = Zinc Acetate)

SAMPLE RECEIPT FORM

WORK ORDER ID

P81208^{uv} 13

Client Leymaster
 Courier CLIENT PALI OTHER _____ FEDEX UPS Tracking # _____

Cooler 1 OF 1

Date Received: 12/10/18

TEMPERATURE: Criteria 0.0°C - 6.0°C

Cooler ID	Temperature Reading	Temperature w/o CF (°C)	Correction Factor (CF) (°C)	Temperature with CF (°C)	Thermometer ID
	<input type="radio"/> Blank <input checked="" type="radio"/> Sample	10.7	0.0	10.7	TM-12

WET ICE BLUE ICE AMBIENT OTHER _____

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

CUSTODY SEALS

Cooler Seal Present and Intact Present and **NOT** Intact Seals signed and dated Not Present
 Sample Seal Present and Intact Present and **NOT** Intact Seals signed and dated Not Present

CLIENT COC

INCLUDED NOT INCLUDED Complete Incomplete, See Notes/Discrepancy Form

SAMPLE MATRIX

SOLID LIQUID AIR OTHER _____

SAMPLE CONDITION

	YES	NO	N/A
All sample containers received intact and in good condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All samples listed on COC(s) are present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All sample info on containers are consistent with sample info on COC(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Correct containers for analyses requested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sufficient volume for analyses requested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper preservation chemical(s) noted on COC and/or sample container	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All samples received within method holding time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Volatile analysis containers free of headspace larger than 6mm	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NOTES

MW
Initials

12/10/18
Date

Initials

Date

ATTACHMENT VIII

**Laboratory Report of Analytical Results
and Chain-of-Custody Records**

Vapor Extraction Wells

Second Half 2018

November 02, 2018

Charles F. Lindeman
Leymaster Environmental Consulting, LLC
5500 East Atherton Street, Suite 210
Long Beach, CA 90815

TEL: (562) 799-9866

FAX: (562) 799-1963

Workorder No.: N032518

RE: 417 W. 164th St Carson, CA

Attention: Charles F. Lindeman

Enclosed are the results for sample(s) received on October 16, 2018 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

The attached report is the final hard copy pertaining to the subcontracted tests for the above project.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562) 219-7435 if I can be of further assistance to your company.

Sincerely,

Handwritten signature of Molky Brar, consisting of a stylized 'M' and 'B' followed by the word 'for'.

Molky Brar
Laboratory Director



ASSET LABORATORIES
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

"Serving Clients with Passion and Professionalism"

CALIFORNIA | P: 562.219.7435 F: 562.219.7436
11110 Artesia Blvd., Ste B, Cerritos, CA 90703
ELAP Cert 2921
EPA ID CA01638

NEVADA | P: 702.307.2659 F: 702.307.2691
3151 W. Post Rd., Las Vegas, NV 89118
ELAP Cert 2676 | NV Cert NV00922
ORELAP/NELAP Cert 4046



CHAIN OF CUSTODY RECORD

Contact us: **N032518**
Nevada: 3151 W. Post Road, Las Vegas, NV 89118
P: 702.307.2659 F: 702.307.6691
California: 11110 Artesia Blvd. Ste. B • Cerritos, CA 90703
P: 562.219.7435 F: 562.219.7436
www.assetlaboratories.com

Page 1 of 1

Client: <u>Leymaster Env Con</u>		Report to: <u>LEC</u>		Bill to: <u>LEC</u>		EDD Requirement		QA/QC		Sample Receipt Condition			
Address: <u>5500 E. Atherton St #210</u>		Company:		Address:		Excel EDD <input type="checkbox"/>		RTNE <input checked="" type="checkbox"/>		1. Chilled <input type="checkbox"/> Y <input type="checkbox"/> N			
Address: <u>Long Beach CA 90815</u>		Email: <u>Charles@leymaster.net</u>		Email to:		Geotracker <input type="checkbox"/>		RWQCB <input type="checkbox"/>		2. Headspace <input type="checkbox"/>			
Phone: <u>562-799-9864</u>		Submitted By: <u>Charles Lindeman</u>		PO#:		Labspec <input type="checkbox"/>		CaTrans <input type="checkbox"/>		3. Container Intact <input checked="" type="checkbox"/>			
Fax:		Address:		Phone:		Others <input type="checkbox"/>		Level III <input type="checkbox"/>		4. Seal Present <input type="checkbox"/>			
Title:		Phone:		Fax:		Specify:		LEVEL IV <input type="checkbox"/>		5. IR number			
Signature: <u>Char. F. Lindeman</u> Date: <u>10/16/18</u>		Sampler's Signature and Date: <u>Char. F. Lindeman 10/16/18</u>		Matrix		Analyses Requested							
Project Name: <u>417 W. 164th St Carson, CA</u>		I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.		Ground <input type="checkbox"/> Sediment <input type="checkbox"/>		VAPOR		TO-15 VOCs					
Project Number: <u>Carson, CA</u>		Sampler's Name: <u>Charles Lindeman</u>		Potable <input type="checkbox"/> Soil <input type="checkbox"/>									
				NPDES <input type="checkbox"/> Other Solid <input type="checkbox"/>									
				Surface <input type="checkbox"/>									
Turn Around Time		No. of container		Container Type		PRESERVATION		Sample Temp: <u>NA</u>					
								Courier: <u>650</u>					
								Tracking No. <u>1036</u>					
								Remarks					
Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others						
1	N032518-01	S1	10/16/18	720			✓	E1B					
2	-02	S3		725			✓	E1B					
3	-03	S4		730			✓	E1B					
4	-04	S5		735			✓	E1B					
5	-05	D1		740			✓	E1B					
6	-06	D3		750			✓	E1B					
7	-07	D4		745			✓	E1B					
8	-08	D5	10/16/18	755			✓	E1B					
9													
10													
Relinquished By (Signature and Printed Name): <u>Charles Lindeman</u> Date / Time: <u>9:19 10/16/18</u>		Received By (Signature and Printed Name): <u>[Signature]</u> Date / Time: <u>10/16/18 9:19</u>		Turn Around Time (TAT)		Special Instruction: <u>PQLS</u>							
Relinquished By (Signature and Printed Name): <u>[Signature]</u> Date / Time: <u>10/16/18 9:20</u>		Received By (Signature and Printed Name): <u>Yoanera Rodriguez</u> Date / Time: <u>10/17/18 8:25 am</u>		<input type="checkbox"/> A < 24 Hrs or Same Day TAT <input type="checkbox"/> B = Next Workday <input type="checkbox"/> C = 2 Workdays <input type="checkbox"/> D = 3 Workdays <input checked="" type="checkbox"/> E = Routine 5-7 Workdays TAT Starts at 8 AM the following day if samples received after 3:00 PM.									
Terms		5. Trip Blanks and Equipment Blanks are billable sample.		6. ASSET Laboratories is not responsible for samples collected using incorrect methodology.		7. Terms are net 30 Days.		8. All reports are submitted in electronic format. Please inform ASSET Laboratories if hard copy of report is needed.		9. For subcontract analysis, TAT and Surcharges will vary.			
1. All samples will be disposed in 45 days upon receipt and records will be destroyed in 5 years upon submission of final report.		2. Regular TAT is 5-7 business days, surcharges will apply for rush analysis. Less than 24 Hrs = 200% Next Day = 100% 2 Workdays = 50% 3 Workdays = 35% 4 Workdays = 20%		3. Custom EDD formats will be an additional 3% of the total project price.		4. Add 10% surcharge for Level III Data Packages, 15% for Level IV Data Packages. Surcharge applied on total project price.		Preservatives:		Container Type:			
								H = HCl N = HNO3 S = H2SO4 C = 4°C T = Tube V = VOA P = Pint		Z = Zn(AC)2 O = NaOH T = Na2S2O3 J = Jar B = Tedlar G = Glass			
								Others/Specify:		M = Metal P = Plastic C = Can			

White = Laboratory Copy

Yellow = Customer's Copy

ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On: 10/16/2018 Workorder: N032518
 Rep sample Temp (Deg C): NA IR Gun ID: NA
 Temp Blank: Yes No
 Carrier name: Golden State Overnight
 Last 4 digits of Tracking No.: 1036 Packing Material Used: Bubble Wrap
 Cooling process: Ice Ice Pack Dry Ice Other None

Sample Receipt Checklist

- | | | | |
|---|---|-----------------------------|---|
| 1. Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 16. Were there Non-Conformance issues at login?
Was Client notified? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Comments: Transferred to 1L canisters onb 10/18/18.

Checklist Completed By: YR  10/18/2018

Reviewed By:  10/19/18

ASSET Laboratories

WORK ORDER Summary

17-Oct-18

WorkOrder: N032518

Client ID: LEYEN01

Project: 417 W. 164th St Carson, CA

QC Level: RTNE

Date Received: 10/16/2018

Comments: PQLs

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N032518-001A	S1	10/16/2018 7:20:00 AM	10/25/2018	Vapor	EPA TO15	VOCs in Air by GCMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AIR
N032518-002A	S3	10/16/2018 7:25:00 AM	10/25/2018		EPA TO15	VOCs in Air by GCMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AIR
N032518-003A	S4	10/16/2018 7:30:00 AM	10/25/2018		EPA TO15	VOCs in Air by GCMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AIR
N032518-004A	S5	10/16/2018 7:35:00 AM	10/25/2018		EPA TO15	VOCs in Air by GCMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AIR
N032518-005A	D1	10/16/2018 7:40:00 AM	10/25/2018		EPA TO15	VOCs in Air by GCMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AIR
N032518-006A	D3	10/16/2018 7:50:00 AM	10/25/2018		EPA TO15	VOCs in Air by GCMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AIR
N032518-007A	D4	10/16/2018 7:45:00 AM	10/25/2018		EPA TO15	VOCs in Air by GCMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AIR
N032518-008A	D5	10/16/2018 7:55:00 AM	10/25/2018		EPA TO15	VOCs in Air by GCMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AIR
N032518-009A	FOLDER	10/25/2018	10/25/2018		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			10/25/2018		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



November 2, 2018

Asset Laboratories
ATTN: Moky Brar
3151-3153 W. Post Rd.
Las Vegas, NV 89118



LA Cert #04140
EPA Methods TO3, TO14A, TO15, 25C/3C,
RSK-175

TX Cert T104704450-14-6
EPA Methods TO14A, TO15

UT Cert CA0133332015-3
EPA Methods TO3, TO14A, TO15, RSK-175

LABORATORY TEST RESULTS

Project Reference: N032518
Lab Number: J103008-01/08

Enclosed are results for sample(s) received 10/30/18 by Air Technology Laboratories. Samples were received intact and properly chilled. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

- Unless otherwise noted in the report, sample analyses were performed within method performance criteria and meet all requirements of the TNI Standards.
- The enclosed results relate only to the sample(s).

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

A handwritten signature in blue ink, appearing to read "Mark Johnson".

Mark Johnson
Operations Manager
MJohnson@AirTechLabs.com

Note: The cover letter is an integral part of this analytical report.

JT03008-01/08

CHAIN-OF-CUSTODY RECORD

ASSET Laboratories
3151-3153 W Post Rd., Las Vegas, NV 89118
www.asset-labs.com
TEL: 7023072659 FAX: 7023072691



QC Level: RTNE

Subcontractor:

ATL Air Labs
18501 E. Gale Ave, Suite 130
City of Industry, CA 91748

TEL: (626) 964-4032
FAX: (626) 964-5832
Acct #:

Field Sampler: Charles Lindeman

29-Oct-18

Sample ID	Matrix	Date Collected	Bottle Type	EPA TO15	Requested Tests	
01 N032518-001A / S1	Vapor	10/16/2018 7:20:00 AM	TEDLAR	1		
02 N032518-002A / S3	Vapor	10/16/2018 7:25:00 AM	TEDLAR	1		
03 N032518-003A / S4	Vapor	10/16/2018 7:30:00 AM	TEDLAR	1		
04 N032518-004A / S5	Vapor	10/16/2018 7:35:00 AM	TEDLAR	1		
05 N032518-005A / D1	Vapor	10/16/2018 7:40:00 AM	TEDLAR	1		
06 N032518-006A / D3	Vapor	10/16/2018 7:50:00 AM	TEDLAR	1		
07 N032518-007A / D4	Vapor	10/16/2018 7:45:00 AM	TEDLAR	1		
08 N032518-008A / D5	Vapor	10/16/2018 7:55:00 AM	TEDLAR	1		

1L canisters. Please return.

General Comments: Please email sample receipt acknowledgement to the PM.

Please use PO#: N32518A Please email invoices and Account Receivable Statements to elvira@assetlaboratories.com. For questions, call Molly at (562)-219-7435. Please e-mail results to reports@assetlaboratories.com by: RUSH NEXT DAT.

Please analyze for VOCs by TO-15. Please report in ppv.

GSO #: 5425583079

Relinquished by: 	Date/Time: 10/29/2018 17:00
Relinquished by: 	Date/Time: 10/29/2018 09:28

Date/Time

Date/Time

Received by:

Received by:

Date/Time

Date/Time

Received by:

Client: Asset Laboratories
 Attn: Molky Brar
 Project Name: NA
 Project No.: N032518
 Date Received: 10/30/18
 Matrix: Air
 Reporting Units: ppbv

EPA Method TO15

Lab No.:	J103008-01		J103008-02		J103008-03		J103008-04	
Client Sample I.D.:	N032518-001A / S1		N032518-002A / S3		N032518-003A / S4		N032518-004A / S5	
Date/Time Sampled:	10/16/18 7:20		10/16/18 7:25		10/16/18 7:30		10/16/18 7:35	
Date/Time Analyzed:	11/2/18 3:13		11/2/18 3:53		11/2/18 4:32		11/2/18 5:11	
QC Batch No.:	181101MS2A2		181101MS2A2		181101MS2A2		181101MS2A2	
Analyst Initials:	DT		DT		DT		DT	
Dilution Factor:	1.9		1.8		1.8		1.8	
ANALYTE	Result ppbv	RL ppbv						
Dichlorodifluoromethane (12)	ND	1.9	ND	1.8	ND	1.8	ND	1.8
Chloromethane	54	3.7	ND	3.6	ND	3.7	ND	3.6
1,2-CI-1,1,2,2-F ethane (114)	ND	1.9	ND	1.8	ND	1.8	ND	1.8
Vinyl Chloride	ND	1.9	ND	1.8	ND	1.8	ND	1.8
Bromomethane	3.0	1.9	ND	1.8	ND	1.8	ND	1.8
Chloroethane	ND	1.9	ND	1.8	ND	1.8	ND	1.8
Trichlorofluoromethane (11)	5.1	1.9	5.6	1.8	ND	1.8	23	1.8
1,1-Dichloroethene	4.8	1.9	18	1.8	ND	1.8	82	1.8
Carbon Disulfide	ND	9.4	ND	9.0	ND	9.2	ND	9.0
1,1,2-CI 1,2,2-F ethane (113)	ND	1.9	2.8	1.8	ND	1.8	13	1.8
Acetone	17	9.4	ND	9.0	15	9.2	10	9.0
Methylene Chloride	7.8	1.9	200	1.8	6.1	1.8	12	1.8
t-1,2-Dichloroethene	ND	1.9	ND	1.8	ND	1.8	ND	1.8
1,1-Dichloroethane	ND	1.9	3.6	1.8	ND	1.8	7.2	1.8
Vinyl Acetate	ND	9.4	ND	9.0	ND	9.2	ND	9.0
c-1,2-Dichloroethene	ND	1.9	17	1.8	ND	1.8	26	1.8
2-Butanone	3.0	1.9	ND	1.8	3.1	1.8	ND	1.8
t-Butyl Methyl Ether (MTBE)	ND	1.9	ND	1.8	ND	1.8	ND	1.8
Chloroform	ND	1.9	ND	1.8	ND	1.8	2.8	1.8
1,1,1-Trichloroethane	ND	1.9	ND	1.8	ND	1.8	ND	1.8
Carbon Tetrachloride	ND	1.9	ND	1.8	ND	1.8	ND	1.8
Benzene	2.2	1.9	ND	1.8	ND	1.8	ND	1.8
1,2-Dichloroethane	ND	1.9	ND	1.8	ND	1.8	ND	1.8
Trichloroethene	3.4	1.9	7.1	1.8	ND	1.8	12	1.8
1,2-Dichloropropane	ND	1.9	ND	1.8	ND	1.8	ND	1.8
Bromodichloromethane	ND	1.9	ND	1.8	ND	1.8	ND	1.8
c-1,3-Dichloropropene	ND	1.9	ND	1.8	ND	1.8	ND	1.8
4-Methyl-2-Pentanone	ND	1.9	ND	1.8	ND	1.8	ND	1.8
Toluene	8.0	1.9	4.5	1.8	4.1	1.8	4.9	1.8
t-1,3-Dichloropropene	ND	1.9	ND	1.8	ND	1.8	ND	1.8

Client: Asset Laboratories
 Attn: Molky Brar
 Project Name: NA
 Project No.: N032518
 Date Received: 10/30/18
 Matrix: Air
 Reporting Units: ppbv

EPA Method TO15

Lab No.:	J103008-01	J103008-02	J103008-03	J103008-04				
Client Sample I.D.:	N032518-001A / S1	N032518-002A / S3	N032518-003A / S4	N032518-004A / S5				
Date/Time Sampled:	10/16/18 7:20	10/16/18 7:25	10/16/18 7:30	10/16/18 7:35				
Date/Time Analyzed:	11/2/18 3:13	11/2/18 3:53	11/2/18 4:32	11/2/18 5:11				
QC Batch No.:	181101MS2A2	181101MS2A2	181101MS2A2	181101MS2A2				
Analyst Initials:	DT	DT	DT	DT				
Dilution Factor:	1.9	1.8	1.8	1.8				
ANALYTE	Result ppbv	RL ppbv	Result ppbv	RL ppbv	Result ppbv	RL ppbv	Result ppbv	RL ppbv
1,1,2-Trichloroethane	ND	1.9	ND	1.8	ND	1.8	ND	1.8
Tetrachloroethene	120	1.9	140	1.8	45	1.8	370	1.8
2-Hexanone	ND	1.9	ND	1.8	ND	1.8	ND	1.8
Dibromochloromethane	ND	1.9	ND	1.8	ND	1.8	ND	1.8
1,2-Dibromoethane	ND	1.9	ND	1.8	ND	1.8	ND	1.8
Chlorobenzene	ND	1.9	ND	1.8	ND	1.8	ND	1.8
Ethylbenzene	ND	1.9	ND	1.8	ND	1.8	3.4	1.8
p,&m-Xylene	2.6	1.9	ND	1.8	ND	1.8	8.9	1.8
o-Xylene	ND	1.9	ND	1.8	ND	1.8	ND	1.8
Styrene	ND	1.9	ND	1.8	ND	1.8	ND	1.8
Bromoform	ND	1.9	ND	1.8	ND	1.8	ND	1.8
1,1,2,2-Tetrachloroethane	ND	3.7	ND	3.6	ND	3.7	ND	3.6
Benzyl Chloride	ND	1.9	ND	1.8	ND	1.8	ND	1.8
4-Ethyl Toluene	ND	1.9	ND	1.8	ND	1.8	6.4	1.8
1,3,5-Trimethylbenzene	ND	3.7	ND	3.6	ND	3.7	6.8	3.6
1,2,4-Trimethylbenzene	ND	3.7	ND	3.6	ND	3.7	16	3.6
1,3-Dichlorobenzene	ND	1.9	ND	1.8	ND	1.8	ND	1.8
1,4-Dichlorobenzene	ND	1.9	ND	1.8	ND	1.8	ND	1.8
1,2-Dichlorobenzene	ND	1.9	ND	1.8	ND	1.8	ND	1.8
1,2,4-Trichlorobenzene	ND	3.7	ND	3.6	ND	3.7	ND	3.6
Hexachlorobutadiene	ND	1.9	ND	1.8	ND	1.8	ND	1.8

ND = Not Detected (below RL)
 RL = Reporting Limit

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 11/2/18

The cover letter is an integral part of this analytical report



Client: Asset Laboratories
 Attn: Molky Brar
 Project Name: NA
 Project No.: N032518
 Date Received: 10/30/18
 Matrix: Air
 Reporting Units: ppbv

EPA Method TO15

Lab No.:	J103008-05		J103008-06		J103008-07		J103008-08	
Client Sample I.D.:	N032518-005A / D1		N032518-006A / D3		N032518-007A / D4		N032518-008A / D5	
Date/Time Sampled:	10/16/18 7:40		10/16/18 7:50		10/16/18 7:45		10/16/18 7:55	
Date/Time Analyzed:	11/2/18 5:50		11/2/18 6:28		11/2/18 7:07		11/2/18 7:46	
QC Batch No.:	181101MS2A2		181101MS2A2		181101MS2A2		181101MS2A2	
Analyst Initials:	DT		DT		DT		DT	
Dilution Factor:	1.8		1.9		1.8		1.8	
ANALYTE	Result ppbv	RL ppbv						
Dichlorodifluoromethane (12)	ND	1.8	ND	1.9	ND	1.8	ND	1.8
Chloromethane	4.8	3.6	ND	3.7	ND	3.6	ND	3.7
1,2-CI-1,1,2,2-F ethane (114)	ND	1.8	ND	1.9	ND	1.8	ND	1.8
Vinyl Chloride	ND	1.8	ND	1.9	ND	1.8	ND	1.8
Bromomethane	ND	1.8	ND	1.9	ND	1.8	ND	1.8
Chloroethane	ND	1.8	ND	1.9	ND	1.8	ND	1.8
Trichlorofluoromethane (11)	3.2	1.8	ND	1.9	ND	1.8	2.1	1.8
1,1-Dichloroethene	ND	1.8	ND	1.9	ND	1.8	ND	1.8
Carbon Disulfide	ND	9.0	ND	9.4	ND	9.0	ND	9.2
1,1,2-CI 1,2,2-F ethane (113)	ND	1.8	ND	1.9	ND	1.8	ND	1.8
Acetone	110	9.0	170	9.4	88	9.0	45	9.2
Methylene Chloride	9.8	1.8	14	1.9	9.2	1.8	11	1.8
t-1,2-Dichloroethene	ND	1.8	ND	1.9	ND	1.8	ND	1.8
1,1-Dichloroethane	ND	1.8	ND	1.9	ND	1.8	ND	1.8
Vinyl Acetate	ND	9.0	ND	9.4	ND	9.0	ND	9.2
c-1,2-Dichloroethene	5.4	1.8	ND	1.9	ND	1.8	5.4	1.8
2-Butanone	6.9	1.8	9.2	1.9	8.3	1.8	7.3	1.8
t-Butyl Methyl Ether (MTBE)	ND	1.8	ND	1.9	ND	1.8	ND	1.8
Chloroform	ND	1.8	ND	1.9	ND	1.8	ND	1.8
1,1,1-Trichloroethane	ND	1.8	ND	1.9	ND	1.8	ND	1.8
Carbon Tetrachloride	ND	1.8	ND	1.9	ND	1.8	ND	1.8
Benzene	ND	1.8	ND	1.9	2.0	1.8	ND	1.8
1,2-Dichloroethane	ND	1.8	ND	1.9	ND	1.8	ND	1.8
Trichloroethene	3.2	1.8	ND	1.9	ND	1.8	9.5	1.8
1,2-Dichloropropane	ND	1.8	ND	1.9	ND	1.8	ND	1.8
Bromodichloromethane	ND	1.8	ND	1.9	ND	1.8	ND	1.8
c-1,3-Dichloropropene	ND	1.8	ND	1.9	ND	1.8	ND	1.8
4-Methyl-2-Pentanone	ND	1.8	ND	1.9	ND	1.8	ND	1.8
Toluene	6.4	1.8	8.3	1.9	8.4	1.8	7.4	1.8
t-1,3-Dichloropropene	ND	1.8	ND	1.9	ND	1.8	ND	1.8

Client: Asset Laboratories
 Attn: Molky Brar
 Project Name: NA
 Project No.: N032518
 Date Received: 10/30/18
 Matrix: Air
 Reporting Units: ppbv

EPA Method TO15

Lab No.:	J103008-05	J103008-06	J103008-07	J103008-08
Client Sample I.D.:	N032518-005A / D1	N032518-006A / D3	N032518-007A / D4	N032518-008A / D5
Date/Time Sampled:	10/16/18 7:40	10/16/18 7:50	10/16/18 7:45	10/16/18 7:55
Date/Time Analyzed:	11/2/18 5:50	11/2/18 6:28	11/2/18 7:07	11/2/18 7:46
QC Batch No.:	181101MS2A2	181101MS2A2	181101MS2A2	181101MS2A2
Analyst Initials:	DT	DT	DT	DT
Dilution Factor:	1.8	1.9	1.8	1.8

ANALYTE	J103008-05		J103008-06		J103008-07		J103008-08	
	Result ppbv	RL ppbv						
1,1,2-Trichloroethane	ND	1.8	ND	1.9	ND	1.8	ND	1.8
Tetrachloroethene	21	1.8	ND	1.9	20	1.8	300	1.8
2-Hexanone	ND	1.8	ND	1.9	ND	1.8	ND	1.8
Dibromochloromethane	ND	1.8	ND	1.9	ND	1.8	ND	1.8
1,2-Dibromoethane	ND	1.8	ND	1.9	ND	1.8	ND	1.8
Chlorobenzene	ND	1.8	ND	1.9	ND	1.8	ND	1.8
Ethylbenzene	ND	1.8	ND	1.9	ND	1.8	ND	1.8
p,&m-Xylene	2.2	1.8	2.5	1.9	2.6	1.8	ND	1.8
o-Xylene	ND	1.8	ND	1.9	ND	1.8	ND	1.8
Styrene	ND	1.8	ND	1.9	ND	1.8	ND	1.8
Bromoform	ND	1.8	ND	1.9	ND	1.8	ND	1.8
1,1,2,2-Tetrachloroethane	ND	3.6	ND	3.7	ND	3.6	ND	3.7
Benzyl Chloride	ND	1.8	ND	1.9	ND	1.8	ND	1.8
4-Ethyl Toluene	ND	1.8	ND	1.9	ND	1.8	ND	1.8
1,3,5-Trimethylbenzene	ND	3.6	ND	3.7	ND	3.6	ND	3.7
1,2,4-Trimethylbenzene	ND	3.6	ND	3.7	ND	3.6	ND	3.7
1,3-Dichlorobenzene	ND	1.8	ND	1.9	ND	1.8	ND	1.8
1,4-Dichlorobenzene	ND	1.8	ND	1.9	ND	1.8	ND	1.8
1,2-Dichlorobenzene	ND	1.8	ND	1.9	ND	1.8	ND	1.8
1,2,4-Trichlorobenzene	ND	3.6	ND	3.7	ND	3.6	ND	3.7
Hexachlorobutadiene	ND	1.8	ND	1.9	ND	1.8	ND	1.8

ND = Not Detected (below RL)
 RL = Reporting Limit

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date: 11/2/18

The cover letter is an integral part of this analytical report



Client: Asset Laboratories
 Attn: Molky Brar
 Project Name: NA
 Project No.: N032518
 Date Received: 10/30/18
 Matrix: Air
 Reporting Units: ppbv

EPA Method TO15

Lab No.:	METHOD BLANK						
Client Sample I.D.:	-						
Date/Time Sampled:	-						
Date/Time Analyzed:	11/1/18 23:13						
QC Batch No.:	181101MS2A2						
Analyst Initials:	DT						
Dilution Factor:	0.20						
ANALYTE	Result ppbv	RL ppbv					
Dichlorodifluoromethane (12)	ND	0.20					
Chloromethane	ND	0.40					
1,2-CI-1,1,2,2-F ethane (114)	ND	0.20					
Vinyl Chloride	ND	0.20					
Bromomethane	ND	0.20					
Chloroethane	ND	0.20					
Trichlorofluoromethane (11)	ND	0.20					
1,1-Dichloroethene	ND	0.20					
Carbon Disulfide	ND	1.0					
1,1,2-CI 1,2,2-F ethane (113)	ND	0.20					
Acetone	ND	1.0					
Methylene Chloride	ND	0.20					
t-1,2-Dichloroethene	ND	0.20					
1,1-Dichloroethane	ND	0.20					
Vinyl Acetate	ND	1.0					
c-1,2-Dichloroethene	ND	0.20					
2-Butanone	ND	0.20					
t-Butyl Methyl Ether (MTBE)	ND	0.20					
Chloroform	ND	0.20					
1,1,1-Trichloroethane	ND	0.20					
Carbon Tetrachloride	ND	0.20					
Benzene	ND	0.20					
1,2-Dichloroethane	ND	0.20					
Trichloroethene	ND	0.20					
1,2-Dichloropropane	ND	0.20					
Bromodichloromethane	ND	0.20					
c-1,3-Dichloropropene	ND	0.20					
4-Methyl-2-Pentanone	ND	0.20					
Toluene	ND	0.20					
t-1,3-Dichloropropene	ND	0.20					



Client: Asset Laboratories
 Attn: Molky Brar
 Project Name: NA
 Project No.: N032518
 Date Received: 10/30/18
 Matrix: Air
 Reporting Units: ppbv

EPA Method TO15

Lab No.:	METHOD BLANK						
Client Sample I.D.:	-						
Date/Time Sampled:	-						
Date/Time Analyzed:	11/1/18 23:13						
QC Batch No.:	181101MS2A2						
Analyst Initials:	DT						
Dilution Factor:	0.20						
ANALYTE	Result ppbv	RL ppbv					
1,1,2-Trichloroethane	ND	0.20					
Tetrachloroethene	ND	0.20					
2-Hexanone	ND	0.20					
Dibromochloromethane	ND	0.20					
1,2-Dibromoethane	ND	0.20					
Chlorobenzene	ND	0.20					
Ethylbenzene	ND	0.20					
p,&m-Xylene	ND	0.20					
o-Xylene	ND	0.20					
Styrene	ND	0.20					
Bromoform	ND	0.20					
1,1,2,2-Tetrachloroethane	ND	0.40					
Benzyl Chloride	ND	0.20					
4-Ethyl Toluene	ND	0.20					
1,3,5-Trimethylbenzene	ND	0.40					
1,2,4-Trimethylbenzene	ND	0.40					
1,3-Dichlorobenzene	ND	0.20					
1,4-Dichlorobenzene	ND	0.20					
1,2-Dichlorobenzene	ND	0.20					
1,2,4-Trichlorobenzene	ND	0.40					
Hexachlorobutadiene	ND	0.20					

ND = Not Detected (below RL)
 RL = Reporting Limit

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 11/2/18

The cover letter is an integral part of this analytical report



LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 181101MS2A2

Matrix: Air

EPA Method TO-14/TO-15											
Lab No:	Method Blank		LCS		LCSD						
Date/Time Analyzed:	11/1/18 23:13		11/1/18 21:10		11/1/18 21:51						
Data File ID:	01NOV018.D		01NOV015.D		01NOV016.D						
Analyst Initials:	DT		DT		DT						
Dilution Factor:	0.2		1.0		1.0		Limits				
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/Fail
1,1-Dichloroethene	0.0	10.0	9.1	91	9.7	97	5.8	70	130	30	Pass
Methylene Chloride	0.0	10.0	10.1	101	10.3	103	1.4	70	130	30	Pass
Trichloroethene	0.0	10.0	9.6	96	9.8	98	3.0	70	130	30	Pass
Toluene	0.0	10.0	11.4	114	11.6	116	1.7	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	11.1	111	10.9	109	1.5	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date: 11/2/18

The cover letter is an integral part of this analytical report

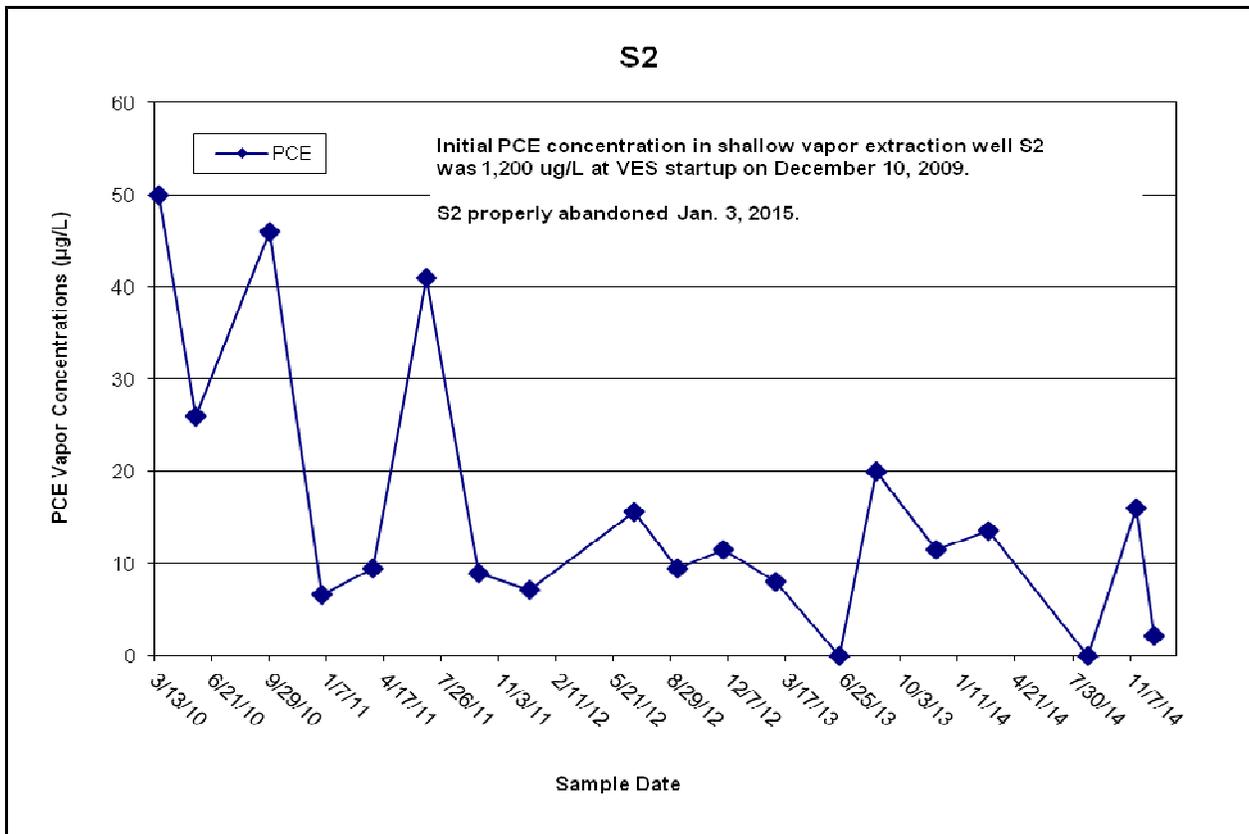
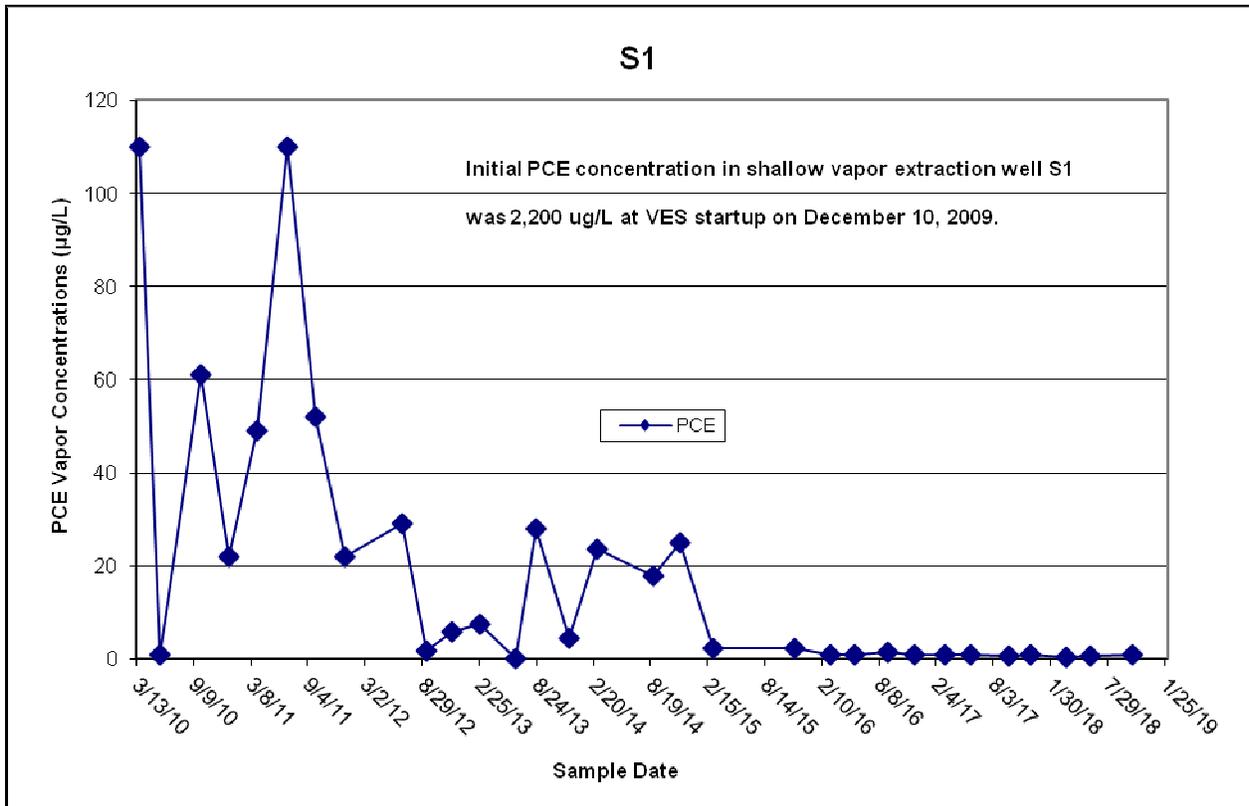


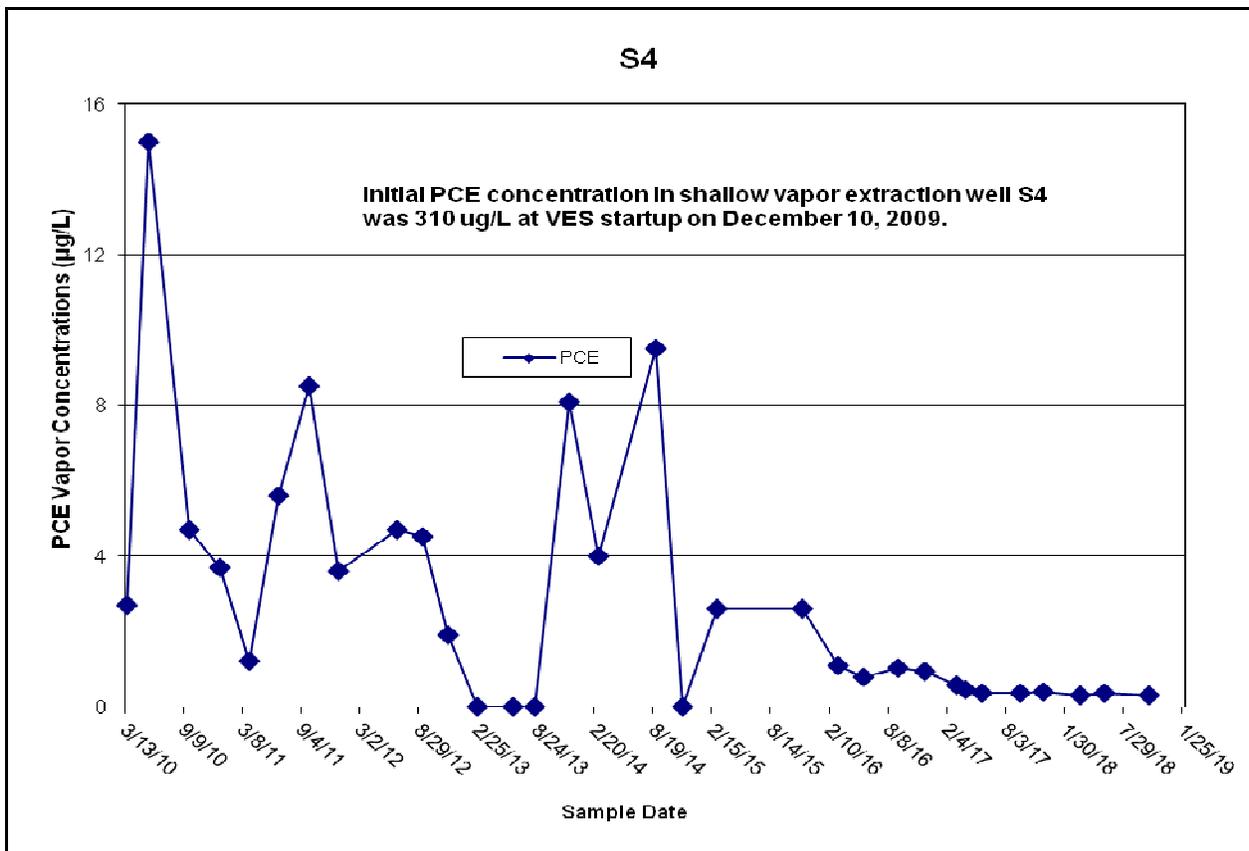
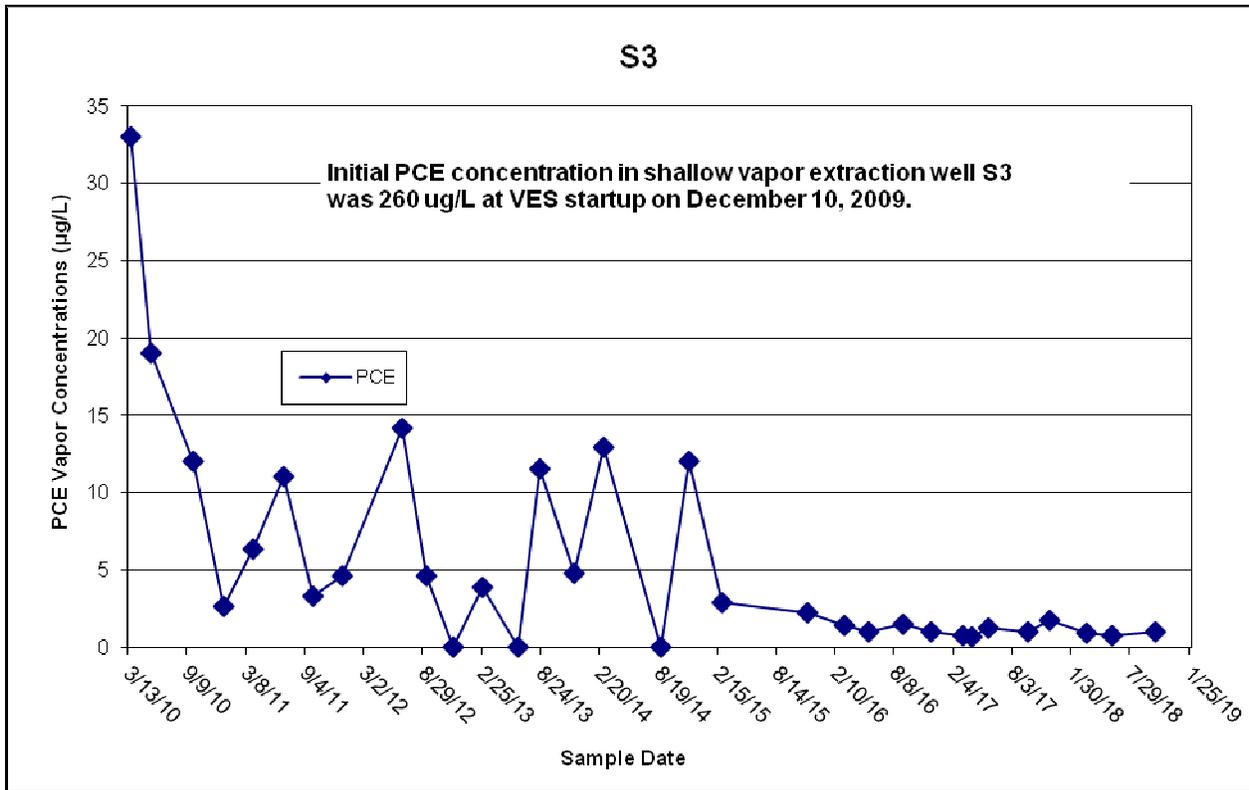
ATTACHMENT IX

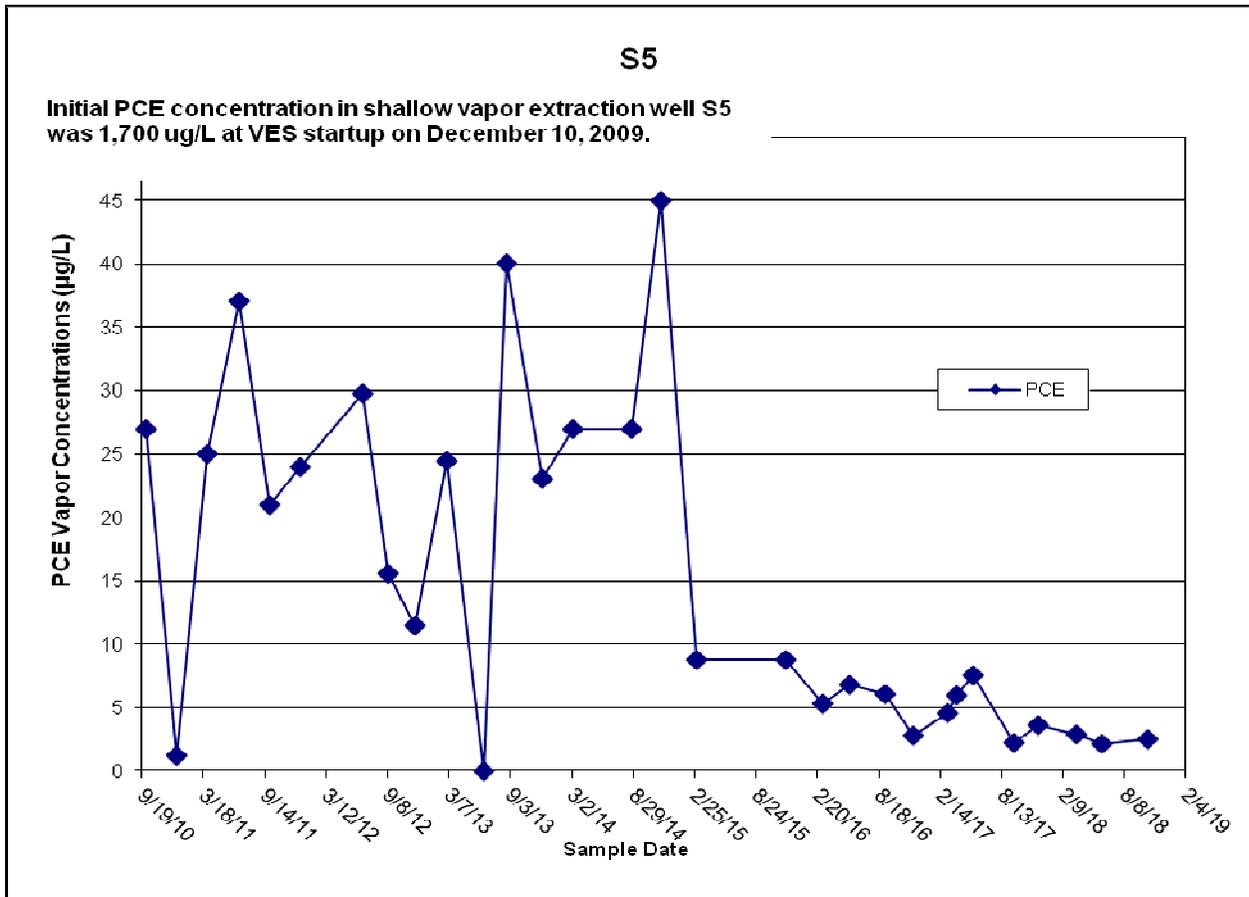
Contaminant Concentration Graphs

Shallow Vapor Extraction Wells

Second Half 2018





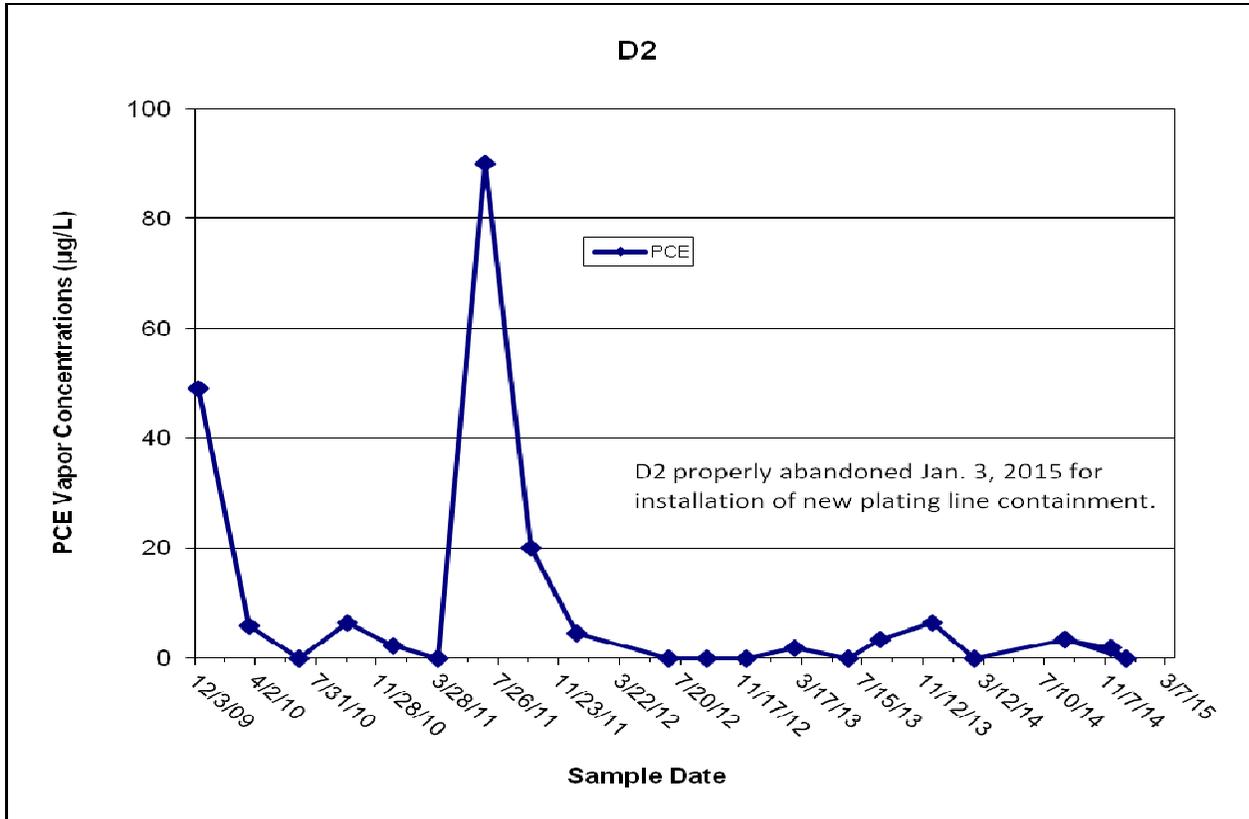
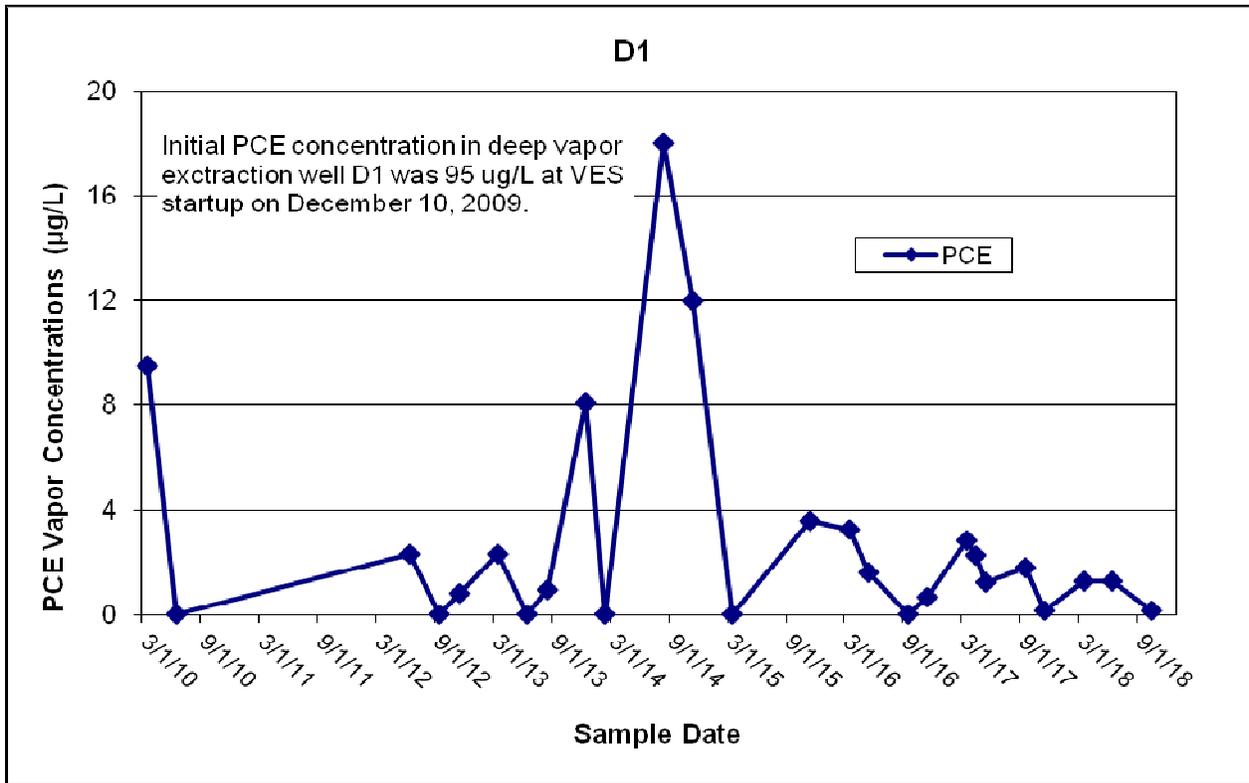


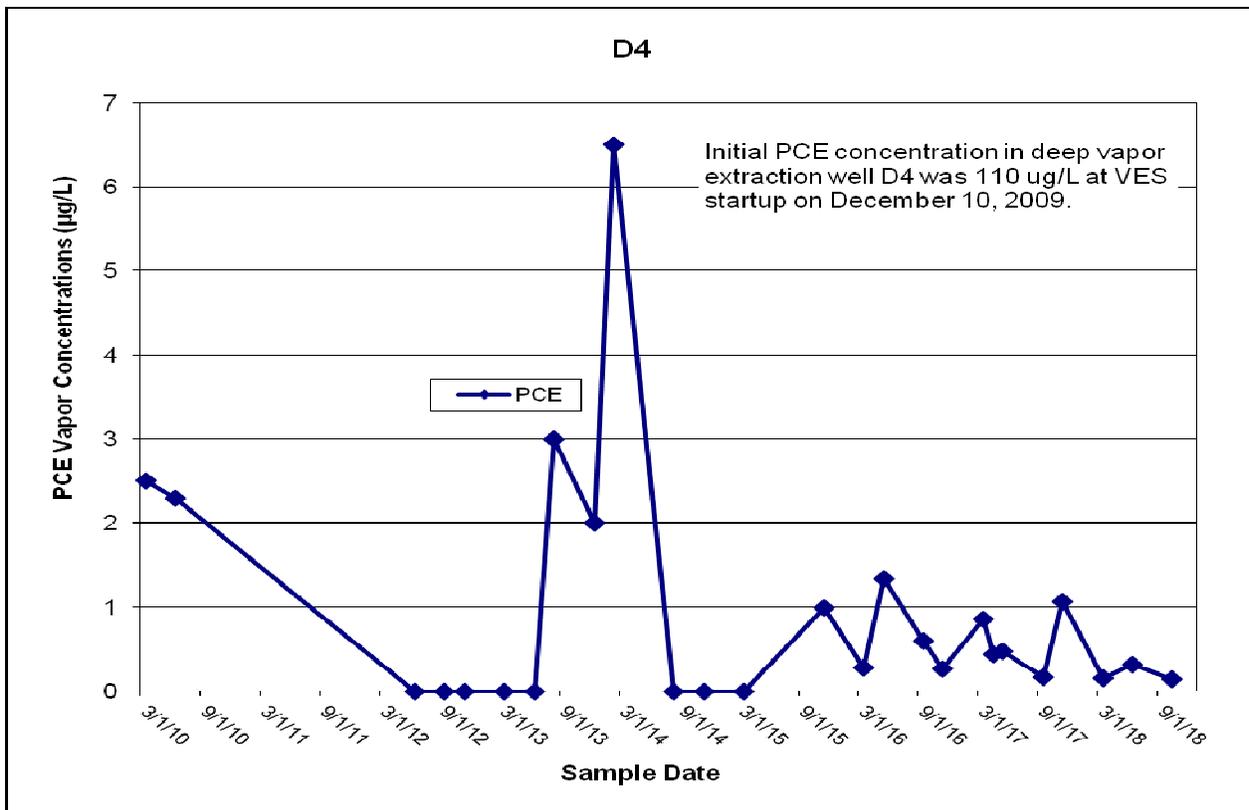
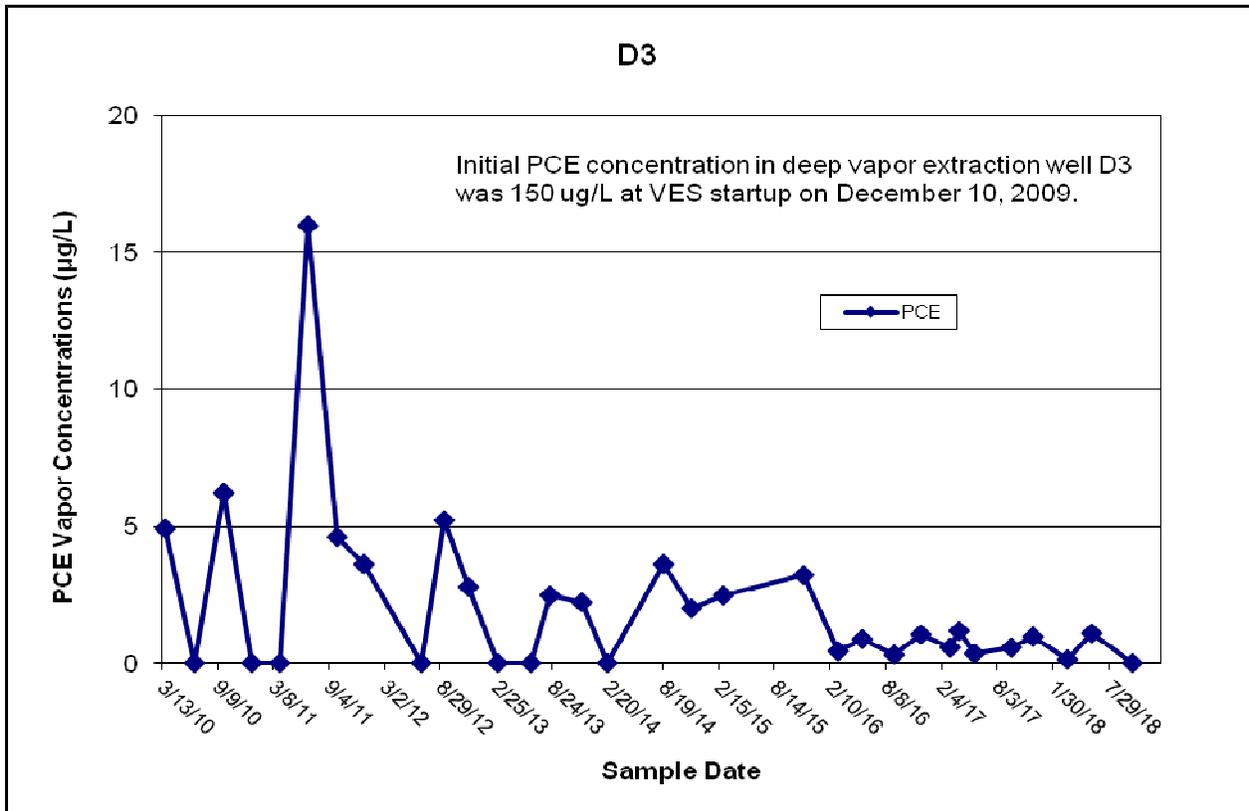
ATTACHMENT X

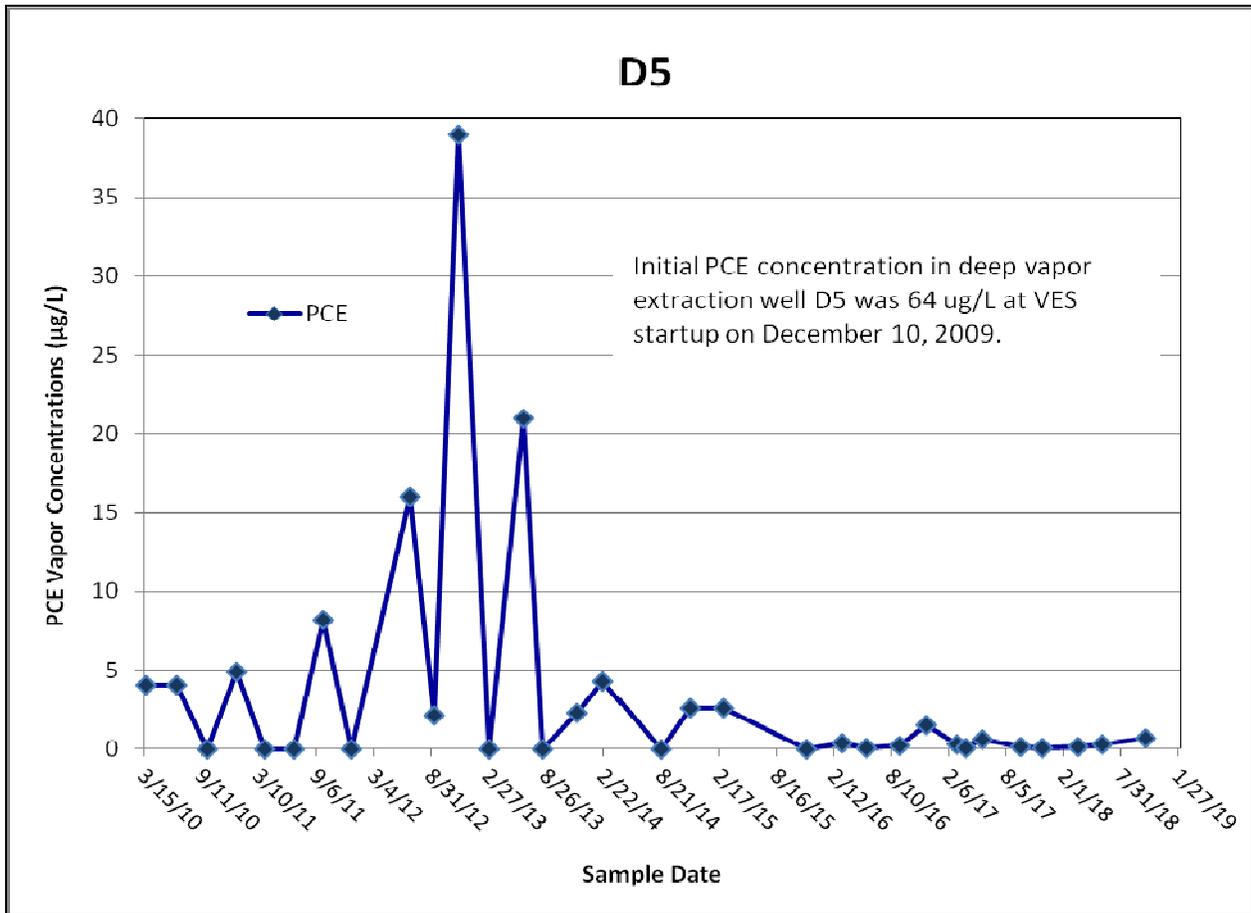
Contaminant Concentration Graphs

Deep Vapor Extraction Wells

Second Half 2018







ATTACHMENT XI

**Laboratory Report of Analytical Results
and Chain-of-Custody Records**

Vapor Influent and Effluent

Second Half 2018

July 27, 2018

Charles F. Lindeman
Leymaster Environmental Consulting, LLC
5500 East Atherton Street, Suite 210
Long Beach, CA 90815
TEL: (562) 799-9866
FAX: (562) 799-1963

Workorder No.: N031234

RE: ANCO 417 W. 164th Carson, CA 90248

Attention: Charles F. Lindeman

Enclosed are the results for sample(s) received on July 16, 2018 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

The attached report is the final hard copy pertaining to the subcontracted tests for the above project.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (702) 307-2659 or Molky Brar at (562)-881-3622 if we can be of further assistance to your company.

Sincerely,



Molky Brar
Project Manager



Quennie Manimtim
Laboratory Director



ASSET LABORATORIES
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

"Serving Clients with Passion and Professionalism"

CALIFORNIA | P: 562.219.7435 F: 562.219.7436
11110 Artesia Blvd., Ste B, Cerritos, CA 90703
ELAP Cert 2921
EPA ID CA01638

NEVADA | P: 702.307.2659 F: 702.307.2691
3151 W. Post Rd., Las Vegas, NV 89118
ELAP Cert 2676 | NV Cert NV00922
ORELAP/NELAP Cert 4046

CLIENT: Leymaster Environmental Consulting, LLC
Project: ANCO 417 W. 164th Carson, CA 90248
Lab Order: N031234
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N031234-001A	Influent	Vapor	7/16/2018 8:35:00 AM	7/16/2018	7/27/2018
N031234-002A	Effluent	Vapor	7/16/2018 8:30:00 AM	7/16/2018	7/27/2018



CLIENT: Leymaster Environmental Consulting, LLC
Project: ANCO 417 W. 164th Carson, CA 90248
Lab Order: N031234

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Subcontracted Analyses:

EPA TO15 and TO3 were subcontracted to Air Tech laboratories, City of Industry, CA.





CHAIN OF CUSTODY RECORD

Client: <u>Leymaster Env Con</u>		Report to: <u>LEC</u>		Bill to: <u>LEC</u>		EDD Requirement		QA/QC		Sample Receipt Condition	
Address: <u>5500 E. Atherton St # 210</u>		Company:		Address:		Excel EDD <input type="checkbox"/>		RTNE <input checked="" type="checkbox"/>		Y N	
Address: <u>Long Beach, CA 90815</u>		Email: <u>Charles@leymaster.net</u>		Address:		Geotracker <input type="checkbox"/>		RWQCB <input type="checkbox"/>		1. Chilled <input type="checkbox"/>	
Phone: <u>562-799-9866</u>		Address:		Email to:		Labspec <input type="checkbox"/>		CalTrans <input type="checkbox"/>		2. Headspace <input type="checkbox"/>	
Submitted by: <u>Charles J. Lindeman</u>		Address:		PO#:		Others <input type="checkbox"/>		Level III <input type="checkbox"/>		3. Container Intact <input type="checkbox"/>	
Title:		Phone:		Phone:		Specify:		LEVEL IV <input type="checkbox"/>		4. Seal Present <input type="checkbox"/>	
Signature: <u>Charles J. Lindeman</u>		Date: <u>7/16/18</u>		Sampler's Signature and Date: <u>Charles J. Lindeman 7/16/18</u>		Global ID:		Regulatory <input type="checkbox"/>		5. IR number	
Project Name: <u>ANCO 417 W. 164th Carson, CA 90248</u>		Project Number:		Sampler's Name: <u>Charles Lindeman</u>		Matrix		Analyses Requested		6. Method of Cooling	
I hereby authorize ASSET Labs to perform the tests indicated below:		I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.		Ground <input type="checkbox"/>		Sediment <input type="checkbox"/>		<u>VAPOR</u> <u>TO-15 VOCs</u> <u>TO-3 TPHs</u> <u>Hexane</u>		Sample Temp:	
				Potable <input type="checkbox"/>		Soil <input type="checkbox"/>				Courier:	
				NPDES <input type="checkbox"/>		Other Solid <input type="checkbox"/>				Tracking No.	
				Surface <input type="checkbox"/>						TO-15 Remarks	
Item No.	Laboratory Work Order No.	Sample ID/Location		Date	Time	Water	Solid	Others			
1	N031234-01	<u>Influent</u>		<u>7/16/18</u>	<u>835</u>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>PQL=100 ppbv</u>
2											
3	-02	<u>Effluent</u>		<u>7/16/18</u>	<u>830</u>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>PQL=10 ppbv</u>
4											
5											
6											
7											
8											
9											
10											
Relinquished by (Signature and Printed Name): <u>Charles Lindeman</u>		Date / Time: <u>7/16/18</u>		Received by (Signature and Printed Name): <u>Anthony Cross</u>		Date / Time: <u>7/16/18 922</u>		Turn Around Time (TAT)		Special Instruction:	
Relinquished by (Signature and Printed Name):		Date / Time:		Received by (Signature and Printed Name):		Date / Time:		<input type="checkbox"/> A < 24 Hrs or Same Day TAT <input type="checkbox"/> B = Next Workday <input type="checkbox"/> C = 2 Workdays <input type="checkbox"/> D = 3 Workdays <input checked="" type="checkbox"/> = Routine 5-7 Workdays TAT Starts at 8 AM the following day if samples received after 3:00 PM.		<u>TO-3 PQLs</u>	
Relinquished by (Signature and Printed Name):		Date / Time:		Received by (Signature and Printed Name):		Date / Time:					
Terms		5. Trip Blanks and Equipment Blanks are billable sample.		6. ASSET Laboratories is not responsible for samples collected using incorrect methodology.		7. Terms are net 30 Days.		8. All reports are submitted in electronic format. Please inform ASSET Laboratories if hard copy of report is needed.		9. For subcontract analysis, TAT and Surcharges will vary.	
1. All samples will be disposed in 45 days upon receipt and records will be destroyed in 5 years upon submission of final report.		2. Regular TAT is 5-7 business days, surcharges will apply for rush analysis		Less than 24 Hrs = 200% Next Day = 100% 2 Workdays = 50% 3 Workdays = 35% 4 Workdays = 20%		3. Custom EDD formats will be an additional 5% of the total project price.		4. Add 10% surcharge for Level III Data Packages, 15% for Level IV Data Packages. Surcharge applied on total project price.		Preservatives:	
										Container Type:	
										H = HCl N = HNO3 S = H2SO4 C = 4°C T = Tube V = VOA P = Pint	
										Z = Zn(AC)2 O = NaOH T = Na2S2O3 J = Jar B = Tedlar G = Glass	
										M = Metal P = Plastic C = Can	

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On: 7/16/18

Workorder: N031234

Rep sample Temp (Deg C): NA

IR Gun ID: NA

Temp Blank: Yes No

Carrier name: WALK-IN (CLIENT)

Last 4 digits of Tracking No.: NONE

Packing Material Used: NONE

Cooling process: Ice Ice Pack Dry Ice Other None

Sample Receipt Checklist

- | | | | |
|---|---|-----------------------------|---|
| 1. Shipping container/cooler in good condition? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 16. Were there Non-Conformance issues at login?
Was Client notified? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Comments:

Checklist Completed By: ASR 7/16/18

Reviewed By: WDM 07/27/18



ASSET LABORATORIES

ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

SUB TO: Air Tech Labs

CHAIN OF CUSTODY RECORD

Contact us:

Nevada: 3151 W. Post Road, Las Vegas, NV 89118

P: 702.307.2659 F: 702.3072691

California: 11110 Artesia Blvd., Ste B, Cerritos, CA 90703

P: 562.219.7435 F: 562.219.7436

www.assetlaboratories.com

Page 1 of 1

Client: ASSET Laboratories		Report to: Molky Brar		Bill to: Elvira Allegaert/Accounts Payable		EDD Requirement		QA/QC		Sample Receipt Condition			
Address: 11110 Artesia Blvd Ste B		Company: ASSET Laboratories		Address: 11110 Artesia Blvd Ste B		Excel EDD: <input type="checkbox"/>		RTNE: <input type="checkbox"/>		Y N			
Address: Cerritos, CA 90703		Email: molky@assetlaboratories.com hanah@assetlaboratories.com		Address: Cerritos, CA 90703		Geotracker: <input type="checkbox"/>		RWQCB: <input type="checkbox"/>		1. Chilled: <input type="checkbox"/>			
Phons: 562.219.7435 Fax: 562.219.7436		Address: 11110 Artesia Blvd Ste B		Email to: elvira@assetlaboratories.com PO# N31234A		Labspec: <input type="checkbox"/>		CalTrans: <input type="checkbox"/>		2. Headspace: <input type="checkbox"/>			
Submitted By: Molky Brar		Address: Cerritos, CA 90703		Phone: 562.219.7435 Fax: 562.219.7436		Others: <input type="checkbox"/>		Level III: <input type="checkbox"/>		3. Container Intact: <input type="checkbox"/>			
Title: Business Development Manager		Phone: 562.219.7435 Fax: 562.219.7436		Specify: LEVEL IV		Global ID:		Regulatory: <input type="checkbox"/>		4. Seal Present: <input type="checkbox"/>			
Signature: _____ Date: _____		Sampled by: _____		Matrix		Analyses Requested							
I hereby authorize ASSET Labs to perform the tests indicated below:		I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.		Ground: <input type="checkbox"/> Sediment: <input type="checkbox"/>		Potable: <input type="checkbox"/> Soil: <input type="checkbox"/>		NPDES: <input type="checkbox"/> Other Solid: <input type="checkbox"/>		Surface: <input type="checkbox"/>		Air	
Project Name: ANCO 417 W. 164th Carson, CA 90248		Signature: _____		TO-15 VOCs		TO-3 TPH as Hexane		Turn Around Time		No. of container		Container Type	
Project Number:				Water		Solid		PRESERVATION		Tracking No.		Remarks	

Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others	TO-15 VOCs	TO-3 TPH as Hexane	Turn Around Time	No. of container	Container Type	PRESERVATION	Remarks
1		Influent	7/16/18	8:35			X	X		E	1	B	-	Please report TO15 at PQL=100ppby
2		Effluent	7/16/18	8:30			X	X	X	E	1	B	-	Please report TO15 at PQL=100ppby
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														

Relinquished by (Signature and Printed Name): <u>Hannah Hanah Glodoviza</u> Date / Time: <u>7/16/18</u>	Received by (Signature and Printed Name): <u>[Signature]</u> Date / Time: <u>7/16/18 1253</u>	Turn Around Time (TAT) <input type="checkbox"/> A < 24 Hrs or Same Day TAT <input type="checkbox"/> B = Next Workday <input type="checkbox"/> C = 2 Workdays <input type="checkbox"/> D = 3 Workdays <input checked="" type="checkbox"/> E = Routine 5-7 Workdays TAT Starts at 8 AM the following day if samples received after 3:00 PM.	Special Instruction:
Relinquished by (Signature and Printed Name): _____ Date / Time: _____	Received by (Signature and Printed Name): _____ Date / Time: _____		
Relinquished by (Signature and Printed Name): _____ Date / Time: _____	Received by (Signature and Printed Name): _____ Date / Time: _____		

TERMS
 1. All samples will be disposed in 45 days upon receipt and records will be destroyed in 5 years upon submission of final report.
 2. Regular TAT is 5-7 business days, surcharges will apply for rush analysis:
 Less than 24 Hrs = 200% Next Day = 100% 2 Workdays = 50% 3 Workdays = 35% 4 Workdays = 20%
 3. Custom EDD formats will be an additional 3% of the total project price.
 4. Add 10% surcharge for Level III Data Packages, 15% for Level IV Data Packages. Surcharges applied on total project price.

5. Trip Blanks and Equipment Blanks are billable sample.
 6. ASSET Laboratories is not responsible for samples collected using incorrect methodology.
 7. Terms are not 30 Days.
 8. All reports are submitted in electronic format. Please inform ASSET Laboratories if hard copy of report is needed.
 9. For subcontract analysis, TAT and Surcharges will vary.

White = Laboratory Copy
 Yellow = Customer's Copy

Preservatives:
 H = HCl N = HNO3 S = H2SO4 C = 4°C
 Z = Zn(AC)2 O = NaOH T = Na2S2O3

Container Type:
 T = Tube V = VOA P = Pint
 J = Jer B = Tedlar G = Glass
 M = Metal P = Plastic C = Can

ASSET Laboratories

WORK ORDER Summary

17-Jul-18

WorkOrder: N031234

Client ID: LEYEN01

Project: ANCO 417 W. 164th Carson, CA 90248

QC Level: RTNE

Date Received: 7/16/2018

Comments: TO-3 PQLs

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N031234-001A	Influent	7/16/2018 8:35:00 AM	7/25/2018	Vapor	EPA TO15	VOCs in Air by GCMS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N031234-002A	Effluent	7/16/2018 8:30:00 AM	7/25/2018		EPA TO15	VOCs in Air by GCMS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
			7/25/2018		EPA TO3	TPH as Hexane in Air by GC-FID	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N031234-003A	FOLDER	7/25/2018	7/25/2018		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			7/25/2018		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



July 25, 2018

Asset Laboratories
ATTN: Molky Brar
11110 Artesia Blvd., Suite B
Cerritos, CA 90703



LA Cert #04140
EPA Methods TO3, TO14A, TO15, 25C/3C,
RSK-175

TX Cert T104704450-14-6
EPA Methods TO14A, TO15

UT Cert CA0133332015-3
EPA Methods TO3, TO14A, TO15, RSK-175

LABORATORY TEST RESULTS

Project Reference: N031234
Lab Number: J071603-01/02

Enclosed are results for sample(s) received 7/16/18 by Air Technology Laboratories. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

- Unless otherwise noted in the report, sample analyses were performed within method performance criteria and meet all requirements of the TNI Standards.
- The enclosed results relate only to the sample(s).

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

A handwritten signature in blue ink that reads "Mark Johnson".

Mark Johnson
Operations Manager
MJohnson@AirTechLabs.com

Note: The cover letter is an integral part of this analytical report.

SUB TO: Air Tech Labs



ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

CHAIN OF CUSTODY RECORD

Contact us:
 Nevada: 3151 W. Post Road, Las Vegas, NV 89118
 P: 702.307.2659 F: 702.3072691
 California: 11110 Artesia Blvd., Ste B, Cerritos, CA 90703
 P: 562.219.7435 F: 562.219.7436
 www.assetlaboratories.com

2 of 9
 J071603

Client: ASSET Laboratories Address: 11110 Artesia Blvd Ste B Address: Cerritos, CA 90703 Phone: 562.219.7435 Fax: 562.219.7436 Submitted By: Molky Brar		Report to: Molky Brar Company: ASSET Laboratories Email: molky@assetlaboratories.com hanah@assetlaboratories.com Address: 11110 Artesia Blvd Ste B Cerritos, CA 90703 Phone: 562.219.7435 Fax: 562.219.7436		Bill to: Elvira Allegra/Accounts Payable Address: 11110 Artesia Blvd Ste B Cerritos, CA 90703 PO# N31234A Email to: elvira@assetlaboratories.com Phone: 562.219.7435 Fax: 562.219.7436		QA/QC RTNE <input type="checkbox"/> <input type="checkbox"/> RW/QCB <input type="checkbox"/> <input type="checkbox"/> CalTrans <input type="checkbox"/> <input type="checkbox"/> Level III <input type="checkbox"/> <input type="checkbox"/> LEVEL IV <input type="checkbox"/> <input type="checkbox"/> Regulatory <input type="checkbox"/> <input type="checkbox"/> Specify State: _____ Global ID: _____		EDD Requirement Excel EDD <input type="checkbox"/> Geotracker <input type="checkbox"/> LabSpec <input type="checkbox"/> Others <input type="checkbox"/> Specify: _____		Sample Receipt Condition Y N 1. Chilled <input type="checkbox"/> <input type="checkbox"/> 2. Headspace <input type="checkbox"/> <input type="checkbox"/> 3. Container Intact <input type="checkbox"/> <input type="checkbox"/> 4. Seal Present <input type="checkbox"/> <input type="checkbox"/> 5. IR number _____ 6. Method of Cooling _____ Sample Temp: _____					
Signature: _____ Date: _____ I hereby authorize ASSET Labs to perform the tests indicated below: Project Name: ANCO 417 W. 164th Carson, CA 90248 Project Number: _____		Signature: _____ Date: _____ I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.		Matrix Ground <input type="checkbox"/> Sediment <input type="checkbox"/> Potable <input type="checkbox"/> Soil <input type="checkbox"/> NPDES <input type="checkbox"/> Other Solid <input type="checkbox"/> Surface <input type="checkbox"/> _____		Analyses Requested TO-15 VOCs <input type="checkbox"/> <input type="checkbox"/> TO-3 TPH as Hexane <input type="checkbox"/> <input type="checkbox"/> Air <input type="checkbox"/> <input type="checkbox"/>		Turn Around Time (TAT) <input type="checkbox"/> A < 24 Hrs or Same Day TAT <input type="checkbox"/> B = Next Workday <input type="checkbox"/> C = 2 Workdays <input type="checkbox"/> D = 3 Workdays <input checked="" type="checkbox"/> E = Routine 5-7 Workdays TAT Starts at 8 AM the following day if samples received after 3:00 PM.		Special Instruction: Turn Around Time (TAT) Please report TO15 at PQL=100ppbv Please report TO15 at PQL=10ppbv					
Item No. 1 2 3 4 5 6 7 8 9 10 11 12		Laboratory Work Order No. J071603-01 -02		Sample ID/Location Influent Effluent		Date 7/16/18 7/16/18		Time 8:35 8:30		Matrix Water <input type="checkbox"/> Solid <input type="checkbox"/> Others <input type="checkbox"/> <input type="checkbox"/>		Turn Around Time (TAT) E 1 B - E 1 B -		Remarks Please report TO15 at PQL=100ppbv Please report TO15 at PQL=10ppbv	
Relinquished by (Signature and Printed Name): Hanah Glodoviza 7/16/18		Date / Time Date / Time		Received by (Signature and Printed Name): [Signature] 7/16/18		Date / Time Date / Time		Special Instruction: Turn Around Time (TAT) Please report TO15 at PQL=100ppbv Please report TO15 at PQL=10ppbv		Container Type: T = Tube J = Jar M = Metal V = VOA B = Tedlar P = Plastic G = Glass C = Can					
Relinquished by (Signature and Printed Name): Hanah Glodoviza		Date / Time Date / Time		Received by (Signature and Printed Name): [Signature]		Date / Time Date / Time		Preservatives: H = HCl N = HNO3 S = H2SO4 C = 4°C Z = Zn(Ac) O = NaOH T = Na2S2O3 Others/Specify: _____		Container Type: T = Tube J = Jar M = Metal V = VOA B = Tedlar P = Plastic G = Glass C = Can					

1. All samples will be disposed in 45 days upon receipt and records will be destroyed in 5 years upon submission of final report.
 2. Regular TAT is 5-7 business days, surcharges will apply for rush analysis.
 3. Custom EDD formats will be an additional 30% of the total project price.
 4. Add 10% surcharge for Level III Data Packages, 15% for Level IV Data Packages. Surcharges applied on total project price.
 5. Trip Blanks and Equipment Blanks are billable samples.
 6. ASSET Laboratories is not responsible for samples collected using incorrect methodology.
 7. Terms are net 30 days.
 8. All reports are submitted in electronic format. Please inform ASSET Laboratories if hard copy of report is needed.
 9. For subcontract analysis, TAT and surcharges will vary.
 White = Laboratory Copy
 Yellow = Customer's Copy

Client: Asset Laboratories
 Attn: Molky Brar
 Project Name: NA
 Project No.: N031234
 Date Received: 07/16/18
 Matrix: Air
 Reporting Units: ppbv

EPA Method TO15

Lab No.:	J071603-01	J071603-02		
Client Sample I.D.:	N031234-001A / Influent	N031234-002A / Effluent		
Date/Time Sampled:	7/16/18 8:35	7/16/18 8:30		
Date/Time Analyzed:	7/16/18 22:07	7/16/18 22:49		
QC Batch No.:	180716MS2A1	180716MS2A1		
Analyst Initials:	DT	DT		
Dilution Factor:	1.0	1.0		
ANALYTE	Result ppbv	RL ppbv	Result ppbv	RL ppbv
Dichlorodifluoromethane (12)	ND	100	ND	10
Chloromethane	ND	100	ND	10
1,2-CI-1,1,2,2-F ethane (114)	ND	100	ND	10
Vinyl Chloride	ND	100	ND	10
Bromomethane	ND	100	ND	10
Chloroethane	ND	100	ND	10
Trichlorofluoromethane (11)	ND	100	ND	10
1,1-Dichloroethene	ND	100	ND	10
Carbon Disulfide	ND	100	ND	10
1,1,2-CI 1,2,2-F ethane (113)	ND	100	ND	10
Acetone	ND	100	54	10
Methylene Chloride	ND	100	ND	10
t-1,2-Dichloroethene	ND	100	ND	10
1,1-Dichloroethane	ND	100	ND	10
Vinyl Acetate	ND	100	ND	10
c-1,2-Dichloroethene	ND	100	ND	10
2-Butanone	ND	100	ND	10
t-Butyl Methyl Ether (MTBE)	ND	100	ND	10
Chloroform	ND	100	ND	10
1,1,1-Trichloroethane	ND	100	ND	10
Carbon Tetrachloride	ND	100	ND	10
Benzene	ND	100	ND	10
1,2-Dichloroethane	ND	100	ND	10
Trichloroethene	ND	100	ND	10
1,2-Dichloropropane	ND	100	ND	10
Bromodichloromethane	ND	100	ND	10
c-1,3-Dichloropropene	ND	100	ND	10
4-Methyl-2-Pentanone	ND	100	ND	10
Toluene	ND	100	ND	10
t-1,3-Dichloropropene	ND	100	ND	10



Client: Asset Laboratories
 Attn: Molky Brar
 Project Name: NA
 Project No.: N031234
 Date Received: 07/16/18
 Matrix: Air
 Reporting Units: ppbv

EPA Method TO15

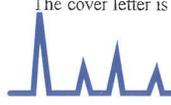
Lab No.:	J071603-01	J071603-02		
Client Sample I.D.:	N031234-001A / Influent	N031234-002A / Effluent		
Date/Time Sampled:	7/16/18 8:35	7/16/18 8:30		
Date/Time Analyzed:	7/16/18 22:07	7/16/18 22:49		
QC Batch No.:	180716MS2A1	180716MS2A1		
Analyst Initials:	DT	DT		
Dilution Factor:	1.0	1.0		
ANALYTE	Result ppbv	RL ppbv	Result ppbv	RL ppbv
1,1,2-Trichloroethane	ND	100	ND	10
Tetrachloroethene	ND	100	ND	10
2-Hexanone	ND	100	ND	10
Dibromochloromethane	ND	100	ND	10
1,2-Dibromoethane	ND	100	ND	10
Chlorobenzene	ND	100	ND	10
Ethylbenzene	ND	100	ND	10
p.&m-Xylene	ND	100	ND	10
o-Xylene	ND	100	ND	10
Styrene	ND	100	ND	10
Bromoform	ND	100	ND	10
1,1,2,2-Tetrachloroethane	ND	100	ND	10
Benzyl Chloride	ND	100	ND	10
4-Ethyl Toluene	ND	100	ND	10
1,3,5-Trimethylbenzene	ND	100	ND	10
1,2,4-Trimethylbenzene	ND	100	ND	10
1,3-Dichlorobenzene	ND	100	ND	10
1,4-Dichlorobenzene	ND	100	ND	10
1,2-Dichlorobenzene	ND	100	ND	10
1,2,4-Trichlorobenzene	ND	100	ND	10
Hexachlorobutadiene	ND	100	ND	10

ND = Not Detected (below RL)
 RL = Reporting Limit
 d = Analyte reported from secondary dilution.

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date: 7/20/18

The cover letter is an integral part of this analytical report



Client: Asset Laboratories
 Attn: Molky Brar
 Project Name: NA
 Project No.: N031234
 Date Received: 07/16/18
 Matrix: Air
 Reporting Units: ppbv

EPA Method TO15

Lab No.:	METHOD BLANK						
Client Sample I.D.:	-						
Date/Time Sampled:	-						
Date/Time Analyzed:	7/16/18 14:10						
QC Batch No.:	180716MS2A1						
Analyst Initials:	DT						
Dilution Factor:	0.20						
ANALYTE	Result ppbv	RL ppbv					
Dichlorodifluoromethane (12)	ND	0.20					
Chloromethane	ND	0.40					
1,2-CI-1,1,2,2-F ethane (114)	ND	0.20					
Vinyl Chloride	ND	0.20					
Bromomethane	ND	0.20					
Chloroethane	ND	0.20					
Trichlorofluoromethane (11)	ND	0.20					
1,1-Dichloroethene	ND	0.20					
Carbon Disulfide	ND	1.0					
1,1,2-CI 1,2,2-F ethane (113)	ND	0.20					
Acetone	ND	1.0					
Methylene Chloride	ND	0.20					
t-1,2-Dichloroethene	ND	0.20					
1,1-Dichloroethane	ND	0.20					
Vinyl Acetate	ND	1.0					
c-1,2-Dichloroethene	ND	0.20					
2-Butanone	ND	0.20					
t-Butyl Methyl Ether (MTBE)	ND	0.20					
Chloroform	ND	0.20					
1,1,1-Trichloroethane	ND	0.20					
Carbon Tetrachloride	ND	0.20					
Benzene	ND	0.20					
1,2-Dichloroethane	ND	0.20					
Trichloroethene	ND	0.20					
1,2-Dichloropropane	ND	0.20					
Bromodichloromethane	ND	0.20					
c-1,3-Dichloropropene	ND	0.20					
4-Methyl-2-Pentanone	ND	0.20					
Toluene	ND	0.20					
t-1,3-Dichloropropene	ND	0.20					



Client: Asset Laboratories
 Attn: Molky Brar
 Project Name: NA
 Project No.: N031234
 Date Received: 07/16/18
 Matrix: Air
 Reporting Units: ppbv

EPA Method TO15

Lab No.:	METHOD BLANK			
Client Sample I.D.:	-			
Date/Time Sampled:	-			
Date/Time Analyzed:	7/16/18 14:10			
QC Batch No.:	180716MS2A1			
Analyst Initials:	DT			
Dilution Factor:	0.20			

ANALYTE	Result ppbv	RL ppbv					
1,1,2-Trichloroethane	ND	0.20					
Tetrachloroethene	ND	0.20					
2-Hexanone	ND	0.20					
Dibromochloromethane	ND	0.20					
1,2-Dibromoethane	ND	0.20					
Chlorobenzene	ND	0.20					
Ethylbenzene	ND	0.20					
p,&m-Xylene	ND	0.20					
o-Xylene	ND	0.20					
Styrene	ND	0.20					
Bromoform	ND	0.20					
1,1,2,2-Tetrachloroethane	ND	0.40					
Benzyl Chloride	ND	0.20					
4-Ethyl Toluene	ND	0.20					
1,3,5-Trimethylbenzene	ND	0.40					
1,2,4-Trimethylbenzene	ND	0.40					
1,3-Dichlorobenzene	ND	0.20					
1,4-Dichlorobenzene	ND	0.20					
1,2-Dichlorobenzene	ND	0.20					
1,2,4-Trichlorobenzene	ND	0.40					
Hexachlorobutadiene	ND	0.20					

ND = Not Detected (below RL)
 RL = Reporting Limit

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 7-25-18

The cover letter is an integral part of this analytical report



LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 180716MS2A1

Matrix: Air

EPA Method TO-14/TO-15											
Lab No:	Method Blank		LCS		LCSD						
Date/Time Analyzed:	7/16/18 14:10		7/16/18 12:08		7/16/18 12:49						
Data File ID:	16JUL008.D		16JUL005.D		16JUL006.D						
Analyst Initials:	DT		DT		DT						
Dilution Factor:	0.2		1.0		1.0		Limits				
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/Fail
1,1-Dichloroethene	0.0	10.0	10.1	101	9.9	99	1.7	70	130	30	Pass
Methylene Chloride	0.0	10.0	10.3	103	10.3	103	0.2	70	130	30	Pass
Trichloroethene	0.0	10.0	10.4	104	10.5	105	0.9	70	130	30	Pass
Toluene	0.0	10.0	10.4	104	10.6	106	2.7	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	9.2	92	9.4	94	2.3	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By: _____



Mark Johnson
Operations Manager

Date: _____

7-25-18

The cover letter is an integral part of this analytical report



Client: Asset Laboratories
 Attn: Molky Brar
 Project Name: NA
 Project No.: N031234
 Date Received: 07/16/18
 Matrix: Air
 Reporting Units: ppmv

EPA METHOD TO3

Lab No.:	J071603-02						
Client Sample I.D.:	N031234-002A / Effluent						
Date/Time Sampled:	7/16/18 8:30						
Date/Time Analyzed:	7/17/18 10:22						
QC Batch No.:	180717GC11A1						
Analyst Initials:	AS						
Dilution Factor:	1.0						
ANALYTE	Result ppmv	RL ppmv					
TVOC as Hexane	ND	1.0					

ND = Not Detected (below RL)
 RL = Reporting Limit

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 7-25-18

The cover letter is an integral part of this analytical report



QC Batch No: 180717GC11A1

Matrix: Air

Reporting Units: ppmv

**EPA METHOD TO3
LABORATORY CONTROL SAMPLE SUMMARY**

Lab No.:	METHOD BLANK	LCS	LCSD							
Date Analyzed:	7/17/18 9:59	7/17/18 9:13	7/17/18 9:35							
Analyst Initials:	AS	AS	AS							
Dilution Factor:	1.0	1.0	1.0							
ANALYTE	Result ppmv	RL ppmv	Result ppmv	% Rec.	Result ppmv	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
TVOC as Hexane	ND	1.0	4.73	95	4.75	95	0.4	70	130	25

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 7-25-18

The cover letter is an integral part of this analytical report



ATTACHMENT XII

**Laboratory Report of Analytical Results
and Chain-of-Custody Records**

County Sanitation Districts of Los Angeles County

October 2, 2018 SMR Lab Results



Enthalpy Analytical, LLC

931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com



Client: Leymaster Environmental Consulting, LLC
Address: 5500 East Atherton Street
Suite 210
Long Beach, CA 90815
Attn: Charles Lindeman

Lab Request: 407013
Report Date: 10/09/2018
Date Received: 10/02/2018
Client ID: 14224

Comments: ANCO / Formerly S Claman
417 W. 164th St., Carson, CA

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
407013-001	Effluent Composite
407013-002	Effluent Grab
407013-003	Effluent pH

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Diane Galvan, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

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Matrix: Water	Client: Leymaster Environmental Consulting, LLC	Collector: Client
Sampled: 10/02/2018 09:20	Site:	
Sample #: <u>407013-001</u>	Client Sample #: Effluent Composite	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: SM 2540-D Prep Method: SM 2540-D						QCBatchID: QC1196184	
Total Suspended Solids	ND	1	0.5	mg/L	10/02/18	10/02/18	NP
Method: SM 5220-D Prep Method: Method						QCBatchID: QC1196256	
Chemical Oxygen Demand (COD)	ND	1	4	mg/L	10/03/18	10/03/18	TP

Matrix: Water	Client: Leymaster Environmental Consulting, LLC	Collector: Client
Sampled: 10/02/2018 09:20	Site:	
Sample #: 407013-002	Client Sample #: Effluent Grab	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 8260B NELAC	Prep Method: EPA 5030B					QCBatchID: QC1196233	
1,1,1-Trichloroethane	ND	1	5	ug/L		10/05/18	LZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/L		10/05/18	LZ
1,1,2-Trichloroethane	ND	1	5	ug/L		10/05/18	LZ
1,1-Dichloroethane	ND	1	5	ug/L		10/05/18	LZ
1,1-Dichloroethene	6.9	1	5	ug/L		10/05/18	LZ
1,2-Dichlorobenzene	ND	1	5	ug/L		10/05/18	LZ
1,2-Dichloroethane	ND	1	5	ug/L		10/05/18	LZ
1,2-Dichloropropane	ND	1	5	ug/L		10/05/18	LZ
1,3-Dichlorobenzene	ND	1	5	ug/L		10/05/18	LZ
1,4-Dichlorobenzene	ND	1	5	ug/L		10/05/18	LZ
2-Chloroethyl Vinyl Ether	ND	1	10	ug/L		10/05/18	LZ
Benzene	ND	1	1	ug/L		10/05/18	LZ
Bromodichloromethane	ND	1	5	ug/L		10/05/18	LZ
Bromoform	ND	1	5	ug/L		10/05/18	LZ
Bromomethane	ND	1	5	ug/L		10/05/18	LZ
Carbon Tetrachloride	ND	1	5	ug/L		10/05/18	LZ
Chlorobenzene	ND	1	5	ug/L		10/05/18	LZ
Chlorodibromomethane	ND	1	5	ug/L		10/05/18	LZ
Chloroethane	ND	1	5	ug/L		10/05/18	LZ
Chloroform	ND	1	5	ug/L		10/05/18	LZ
Chloromethane	ND	1	5	ug/L		10/05/18	LZ
cis-1,3-dichloropropene	ND	1	5	ug/L		10/05/18	LZ
Ethylbenzene	ND	1	5	ug/L		10/05/18	LZ
Methylene chloride	ND	1	5	ug/L		10/05/18	LZ
Tetrachloroethene	ND	1	5	ug/L		10/05/18	LZ
Toluene	ND	1	5	ug/L		10/05/18	LZ
trans-1,2-dichloroethene	ND	1	5	ug/L		10/05/18	LZ
trans-1,3-dichloropropene	ND	1	5	ug/L		10/05/18	LZ
Trichloroethene	20	1	5	ug/L		10/05/18	LZ
Vinyl Chloride	ND	1	5	ug/L		10/05/18	LZ
<u>Surrogate</u>		<u>% Recovery</u>	<u>Limits</u>	<u>Notes</u>			
1,2-Dichloroethane-d4 (SUR)		100	70-145				
4-Bromofluorobenzene (SUR)		75	70-145				
Dibromofluoromethane (SUR)		101	70-145				
Toluene-d8 (SUR)		102	70-145				

Method: EPA 8270C NELAC	Prep Method: EPA 3510C					QCBatchID: QC1196289	
1,2,4-Trichlorobenzene	ND	1	10	ug/L	10/05/18	10/09/18	MTS
1,2-Diphenylhydrazine (as Azobenzene)	ND	1	10	ug/L	10/05/18	10/09/18	MTS
2,4,6-Trichlorophenol	ND	1	10	ug/L	10/05/18	10/09/18	MTS
2,4-Dichlorophenol	ND	1	10	ug/L	10/05/18	10/09/18	MTS
2,4-Dimethylphenol	ND	1	10	ug/L	10/05/18	10/09/18	MTS
2,4-Dinitrophenol	ND	1	50	ug/L	10/05/18	10/09/18	MTS
2,4-Dinitrotoluene	ND	1	10	ug/L	10/05/18	10/09/18	MTS
2,6-Dinitrotoluene	ND	1	10	ug/L	10/05/18	10/09/18	MTS
2-Chloronaphthalene	ND	1	10	ug/L	10/05/18	10/09/18	MTS
2-Chlorophenol	ND	1	10	ug/L	10/05/18	10/09/18	MTS
2-Methyl-4,6-dinitrophenol	ND	1	50	ug/L	10/05/18	10/09/18	MTS
2-Nitrophenol	ND	1	10	ug/L	10/05/18	10/09/18	MTS
3,3'-Dichlorobenzidine	ND	1	25	ug/L	10/05/18	10/09/18	MTS
4-Bromophenyl phenyl ether	ND	1	10	ug/L	10/05/18	10/09/18	MTS
4-Chloro-3-methylphenol	ND	1	10	ug/L	10/05/18	10/09/18	MTS
4-Chlorophenyl phenyl ether	ND	1	10	ug/L	10/05/18	10/09/18	MTS
4-Nitrophenol	ND	1	10	ug/L	10/05/18	10/09/18	MTS

Matrix: Water	Client: Leymaster Environmental Consulting, LLC	Collector: Client
Sampled: 10/02/2018 09:20	Site:	
Sample #: 407013-002	Client Sample #: Effluent Grab	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Acenaphthene	ND	1	10	ug/L	10/05/18	10/09/18	MTS
Acenaphthylene	ND	1	10	ug/L	10/05/18	10/09/18	MTS
Anthracene	ND	1	10	ug/L	10/05/18	10/09/18	MTS
Benz(a)anthracene	ND	1	10	ug/L	10/05/18	10/09/18	MTS
Benzidine	ND	1	50	ug/L	10/05/18	10/09/18	MTS
Benzo(a)pyrene	ND	1	10	ug/L	10/05/18	10/09/18	MTS
Benzo(b)fluoranthene	ND	1	10	ug/L	10/05/18	10/09/18	MTS
Benzo(g,h,i)perylene	ND	1	10	ug/L	10/05/18	10/09/18	MTS
Benzo(k)fluoranthene	ND	1	10	ug/L	10/05/18	10/09/18	MTS
Bis(2-chloroethoxy)methane	ND	1	10	ug/L	10/05/18	10/09/18	MTS
Bis(2-chloroethyl) Ether	ND	1	25	ug/L	10/05/18	10/09/18	MTS
Bis(2-chloroisopropyl) Ether	ND	1	10	ug/L	10/05/18	10/09/18	MTS
Bis(2-ethylhexyl) phthalate	ND	1	10	ug/L	10/05/18	10/09/18	MTS
Butylbenzyl Phthalate	ND	1	10	ug/L	10/05/18	10/09/18	MTS
Chrysene	ND	1	10	ug/L	10/05/18	10/09/18	MTS
Dibenz(a,h)anthracene	ND	1	10	ug/L	10/05/18	10/09/18	MTS
Diethyl phthalate	ND	1	10	ug/L	10/05/18	10/09/18	MTS
Dimethyl phthalate	ND	1	10	ug/L	10/05/18	10/09/18	MTS
Di-n-butyl phthalate	ND	1	10	ug/L	10/05/18	10/09/18	MTS
Di-n-octyl phthalate	ND	1	10	ug/L	10/05/18	10/09/18	MTS
Fluoranthene	ND	1	10	ug/L	10/05/18	10/09/18	MTS
Fluorene	ND	1	10	ug/L	10/05/18	10/09/18	MTS
Hexachlorobenzene	ND	1	10	ug/L	10/05/18	10/09/18	MTS
Hexachlorobutadiene	ND	1	10	ug/L	10/05/18	10/09/18	MTS
Hexachlorocyclopentadiene	ND	1	25	ug/L	10/05/18	10/09/18	MTS
Hexachloroethane	ND	1	10	ug/L	10/05/18	10/09/18	MTS
Indeno(1,2,3-cd)pyrene	ND	1	10	ug/L	10/05/18	10/09/18	MTS
Isophorone	ND	1	10	ug/L	10/05/18	10/09/18	MTS
Naphthalene	ND	1	10	ug/L	10/05/18	10/09/18	MTS
Nitrobenzene	ND	1	25	ug/L	10/05/18	10/09/18	MTS
N-Nitrosodimethylamine (NDMA)	ND	1	10	ug/L	10/05/18	10/09/18	MTS
N-Nitrosodi-n-propylamine (NDPA)	ND	1	10	ug/L	10/05/18	10/09/18	MTS
N-Nitrosodiphenylamine	ND	1	10	ug/L	10/05/18	10/09/18	MTS
Pentachlorophenol	ND	1	25	ug/L	10/05/18	10/09/18	MTS
Phenanthrene	ND	1	10	ug/L	10/05/18	10/09/18	MTS
Phenol	ND	1	10	ug/L	10/05/18	10/09/18	MTS
Pyrene	ND	1	10	ug/L	10/05/18	10/09/18	MTS

Surrogate	% Recovery	Limits	Notes
2,4,6-Tribromophenol (SUR)	54	39-137	
2-Fluorobiphenyl (SUR)	55	37-102	
2-Fluorophenol (SUR)	33	23-76	
Nitrobenzene-d5 (SUR)	59	30-115	
p-Terphenyl (SUR)	79	61-121	
Phenol-d5 (SUR)	22	17-56	

Method: SM 4500-S-D	Prep Method: Method	QCBatchID: QC1196169
Dissolved Sulfide	ND	1
	0.1	mg/L
	10/02/18 16:30	10/02/18 16:30
		DXN

Matrix: Water	Client: Leymaster Environmental Consulting, LLC	Collector: Client
Sampled: 10/02/2018 09:25	Site:	
Sample #: 407013-003	Client Sample #: Effluent pH	Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: SM 4500-H+B	Prep Method: Method	QCBatchID:					
pH	7.32	1		pH Units	10/02/18 09:25	KPN	

QCBatchID: <u>QC1196169</u>	Analyst: DNguyen	Method: SM 4500-S-D
Matrix: Water	Analyzed: 10/02/2018	Instrument: CHEM (group)

Blank Summary

Analyte	Blank Result	Units	RDL	Notes
QC1196169MB1				
Dissolved Sulfide	ND	mg/L	0.1	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1196169DUP1						Source: 407030-001
Dissolved Sulfide	ND	ND	mg/L	0.0	20	

QCBatchID: <u>QC1196184</u>	Analyst: npham	Method: SM 2540-D
Matrix: Water	Analyzed: 10/02/2018	Instrument: CHEM (group)

Blank Summary

Analyte	Blank Result	Units	RDL	Notes
QC1196184MB1				
Total Suspended Solids	ND	mg/L	0.5	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1196184DUP1						
Total Suspended Solids	39.5	39.3	mg/L	0.5	5	Source: 407017-001

QCBatchID: **QC1196233**

Analyst: lucy

Method: EPA 8260B

Matrix: Water

Analyzed: 10/03/2018

Instrument: VOA-MS (group)

Blank Summary

Analyte	Blank Result	Units	RDL	Notes
QC1196233MB1				
1,1,1-Trichloroethane	ND	ug/L	5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5	
1,1,2-Trichloroethane	ND	ug/L	5	
1,1-Dichloroethane	ND	ug/L	5	
1,1-Dichloroethene	ND	ug/L	5	
1,2-Dichlorobenzene	ND	ug/L	5	
1,2-Dichloroethane	ND	ug/L	5	
1,2-Dichloropropane	ND	ug/L	5	
1,3-Dichlorobenzene	ND	ug/L	5	
1,4-Dichlorobenzene	ND	ug/L	5	
2-Chloroethyl Vinyl Ether	ND	ug/L	10	
Acetone	ND	ug/L	100	
Benzene	ND	ug/L	1	
Bromodichloromethane	ND	ug/L	5	
Bromoform	ND	ug/L	5	
Bromomethane	ND	ug/L	5	
Carbon Tetrachloride	ND	ug/L	5	
Chlorobenzene	ND	ug/L	5	
Chlorodibromomethane	ND	ug/L	5	
Chloroethane	ND	ug/L	5	
Chloroform	ND	ug/L	5	
Chloromethane	ND	ug/L	5	
cis-1,3-dichloropropene	ND	ug/L	5	
Di-isopropyl ether (DIPE)	ND	ug/L	1	
Ethylbenzene	ND	ug/L	5	
Ethyl-tertbutylether (ETBE)	ND	ug/L	1	
Methylene chloride	ND	ug/L	5	
Methyl-t-butyl Ether (MTBE)	ND	ug/L	1	
t-Butyl alcohol (TBA)	ND	ug/L	10	
Tert-amylmethylether (TAME)	ND	ug/L	5	
Tetrachloroethene	ND	ug/L	5	
Toluene	ND	ug/L	5	
TPH Gasoline	ND	ug/L	50	
trans-1,2-dichloroethene	ND	ug/L	5	
trans-1,3-dichloropropene	ND	ug/L	5	
Trichloroethene	ND	ug/L	5	
Trichlorofluoromethane	ND	ug/L	5	
Vinyl Chloride	ND	ug/L	5	
Xylenes (Total)	ND	ug/L	5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries			Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD	RPD	%Rec	RPD	
QC1196233LCS1											
1,1-Dichloroethene	50		49		ug/L	98			59-172		
Benzene	50		54		ug/L	108			62-137		
Chlorobenzene	50		52		ug/L	104			60-133		
Methyl-t-butyl Ether (MTBE)	50		38		ug/L	76			62-137		
Toluene	50		54		ug/L	108			59-139		
Trichloroethene	50		53		ug/L	106			66-142		

QC Batch ID: **QC1196233**

Analyst: lucy

Method: EPA 8260B

Matrix: Water

Analyzed: 10/03/2018

Instrument: VOA-MS (group)

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries			Limits		Notes
		MS	MSD	MS	MSD		MS	MSD	RPD	%Rec	RPD	
QC1196233MS1, QC1196233MSD1											Source: 407013-002	
1,1-Dichloroethene	6.9	50	50	65	56	ug/L	116	98	14.9	59-172	22	
Benzene	ND	50	50	63	54	ug/L	126	108	15.4	62-137	24	
Chlorobenzene	ND	50	50	59	53	ug/L	118	106	10.7	60-133	24	
Methyl-t-butyl Ether (MTBE)	0.66	50	50	44	38	ug/L	87	75	14.6	62-137	21	
Toluene	ND	50	50	61	55	ug/L	122	110	10.3	59-139	21	
Trichloroethene	20	50	50	89	78	ug/L	138	116	13.2	66-142	21	

QCBatchID: QC1196256	Analyst: trinh	Method: SM 5220-D
Matrix: Water	Analyzed: 10/03/2018	Instrument: CHEM (group)

Blank Summary

Analyte	Blank Result	Units	RDL	Notes
QC1196256MB1				
Chemical Oxygen Demand (COD)	ND	mg/L	4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries			Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD	RPD	%Rec	RPD	
QC1196256LCS1											
Chemical Oxygen Demand (COD)	100		100		mg/L	100			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries			Limits		Notes
		MS	MSD	MS	MSD		MS	MSD	RPD	%Rec	RPD	
QC1196256MS1, QC1196256MSD1												
Chemical Oxygen Demand (COD)	22	100	100	100	120	mg/L	78	98	18.2	75-125	20	Source: 406898-001

QCBatchID: **QC1196289**

Analyst: Abanh

Method: EPA 8270C

Matrix: Water

Analyzed: 10/05/2018

Instrument: SVOA-MS (group)

Blank Summary

Analyte	Blank Result	Units	RDL	Notes
QC1196289MB1				
1,2,4-Trichlorobenzene	ND	ug/L	10	
1,2-Diphenylhydrazine	ND	ug/L	10	
1,4-Dichlorobenzene	ND	ug/L	10	
2,4,5-Trichlorophenol	ND	ug/L	10	
2,4,6-Trichlorophenol	ND	ug/L	10	
2,4-Dichlorophenol	ND	ug/L	10	
2,4-Dimethylphenol	ND	ug/L	10	
2,4-Dinitrophenol	ND	ug/L	50	
2,4-Dinitrotoluene	ND	ug/L	10	
2,6-Dinitrotoluene	ND	ug/L	10	
2-Chloronaphthalene	ND	ug/L	10	
2-Chlorophenol	ND	ug/L	10	
2-Methyl-4,6-dinitrophenol	ND	ug/L	50	
2-Nitrophenol	ND	ug/L	10	
3 and 4-Methylphenol (m and p-Cresol)	ND	ug/L	10	
3,3'-Dichlorobenzidine	ND	ug/L	25	
4-Bromophenyl phenyl ether	ND	ug/L	10	
4-Chloro-3-methylphenol	ND	ug/L	10	
4-Chlorophenyl phenyl ether	ND	ug/L	10	
4-Nitrophenol	ND	ug/L	10	
Acenaphthene	ND	ug/L	10	
Acenaphthylene	ND	ug/L	10	
Anthracene	ND	ug/L	10	
Benz(a)anthracene	ND	ug/L	10	
Benzidine	ND	ug/L	50	
Benzo(a)pyrene	ND	ug/L	10	
Benzo(b)fluoranthene	ND	ug/L	10	
Benzo(g,h,i)perylene	ND	ug/L	10	
Benzo(k)fluoranthene	ND	ug/L	10	
Bis(2-chloroethoxy)methane	ND	ug/L	10	
Bis(2-chloroethyl) Ether	ND	ug/L	25	
Bis(2-chloroisopropyl) Ether	ND	ug/L	10	
Bis(2-ethylhexyl) phthalate	ND	ug/L	10	
Butylbenzyl Phthalate	ND	ug/L	10	
Chrysene	ND	ug/L	10	
Dibenz(a,h)anthracene	ND	ug/L	10	
Diethyl phthalate	ND	ug/L	10	
Dimethyl phthalate	ND	ug/L	10	
Di-n-butyl phthalate	ND	ug/L	10	
Di-n-octyl phthalate	ND	ug/L	10	
Fluoranthene	ND	ug/L	10	
Fluorene	ND	ug/L	10	
Hexachlorobenzene	ND	ug/L	10	
Hexachlorobutadiene	ND	ug/L	10	
Hexachlorocyclopentadiene	ND	ug/L	25	
Hexachloroethane	ND	ug/L	10	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10	
Isophorone	ND	ug/L	10	
Naphthalene	ND	ug/L	10	
Nitrobenzene	ND	ug/L	25	
N-Nitrosodimethylamine (NDMA)	ND	ug/L	10	
N-Nitrosodi-n-propylamine (NDPA)	ND	ug/L	10	

QCBatchID: QC1196289	Analyst: Abanh	Method: EPA 8270C
Matrix: Water	Analyzed: 10/05/2018	Instrument: SVOA-MS (group)

Analyte	Blank Result	Units	RDL	Notes
QC1196289MB1				
N-Nitrosodiphenylamine	ND	ug/L	10	
Pentachlorophenol	ND	ug/L	25	
Phenanthrene	ND	ug/L	10	
Phenol	ND	ug/L	10	
Pyrene	ND	ug/L	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries			Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD	RPD	%Rec	RPD	
QC1196289LCS1, QC1196289LCSD1											
1,2,4-Trichlorobenzene	40	40	27	26	ug/L	68	65	4	40-102	25	
1,4-Dichlorobenzene	40	40	24	23	ug/L	60	58	4	54-90	25	
2,4,5-Trichlorophenol	40	40	32	32	ug/L	80	80	0	57-117	25	
2,4-Dimethylphenol	40	40	29	27	ug/L	73	68	7	52-90	25	
2,4-Dinitrotoluene	40	40	34	33	ug/L	85	83	3	64-111	25	
2-Chlorophenol	40	40	32	31	ug/L	80	78	3	55-105	25	
3 and 4-Methylphenol (m and p-Cresol)	40	40	29	28	ug/L	73	70	4	45-96	25	
4-Chloro-3-methylphenol	40	40	37	35	ug/L	93	88	6	42-120	25	
4-Nitrophenol	40	40	16	17	ug/L	40	43	6	29-115	25	
Acenaphthene	40	40	32	31	ug/L	80	78	3	59-102	25	
Benzo(b)fluoranthene	40	40	33	33	ug/L	83	83	0	61-133	25	
Chrysene	40	40	33	33	ug/L	83	83	0	67-126	25	
N-Nitrosodi-n-propylamine (NDPA)	40	40	34	33	ug/L	85	83	3	35-115	25	
Pentachlorophenol	40	40	26	27	ug/L	65	68	4	37-120	25	
Phenol	40	40	15	14	ug/L	38	35	7	37-79	25	
Pyrene	40	40	35	35	ug/L	88	88	0	68-132	33	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

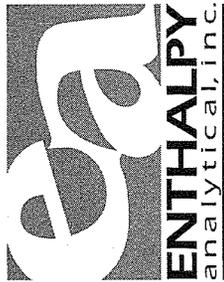
ENTHALPY ANALYTICAL, INC.

806 N. Batavia St., Orange, CA 92868
 Phone: (714) 771-6900 Fax: (714) 771-9933

Billing: Enthalpy - SoCal

c/o Montrose Environmental Group

1 Park Plaza, Suite 1000, Irvine, CA 92614



Chain of Custody Record

Lab No: 407013
 Page: 1 of 1

Matrix: A = Air DW = Drinking Water
 FL = Food Liquid FS = Food Solid L = Liquid
 PP = Pure Product S = Solid SeaW = Sea Water
 SW = Swab W = Water WP = Wipe O = Other

Preservatives: 1 = Na₂S₂O₃ 2 = HCl 3 = HNO₃
 4 = H₂SO₄ 5 = NaOH 6 = Other

Standard: 4 Day: 3 Day:
 2 Day: 1 Day: Same Day:

CUSTOMER INFORMATION				PROJECT INFORMATION				ANALYSIS REQUEST				TEST INSTRUCTIONS / COMMENTS				
Company:	Report To:	Email:	Address:	Name:	Number:	P.O. #:	Address:	Matrix	Container No. / Size	Pres.	Total Suspended Solids	Soluble Solids	8200 B UDCs	8700 C Sem UDCs (Expanded List)		
Layton Environmental Consultant	Charles Lindeman	chlin@laytonenv.com	5500 E Atherton St #210 Long Beach, CA 90815 520-799-9866	ANCO/Formerly S. Charman			417 W. 164th St Carson, CA 90248	GW	1 1L	free	✓					See SD-LAC Expanded 8200/8270 List
				Global ID:	Sampled By:		Charles Lindeman	GW	1 1/2 L	4	✓					This is a 24-hr Composite Sample
								GW	2 A/B	5/6		✓				This is a 24-hr Composite Sample
								GW	3 40-ml	2		✓				Grab Sample
								GW	1 1L	free						Grab Sample
																ph- 7.32
																Ⓢ 0025
																KN

Signature	Print Name	Company / Title	Date / Time
<i>Charles Lindeman</i>	Charles Lindeman	LEC	10/2/18 9:33
<i>Ken Dymally</i>	Ken Dymally	Enthalpy	10/2/18 09:33
<i>Ken Dymally</i>	Ken Dymally	Enthalpy	10/2/18 15:10
<i>Ken Dymally</i>	Ken Dymally	Enthalpy	10/2/18 15:10



ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1
 Client: Leymester Project: ANCO/Formerly S. Clamen
 Date Received: 10/2/18 Sampler's Name Present: Yes No

Section 2
 Sample(s) received in a cooler? Yes, How many? 1 No (skip section 2) Sample Temp (°C) (No Cooler): _____
 Sample Temp (°C), One from each cooler: #1: 0.1 #2: _____ #3: _____ #4: _____
(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)
 Shipping Information: _____

Section 3
 Was the cooler packed with: Ice Ice Packs Bubble Wrap Styrofoam
 Paper None Other _____
 Cooler Temp (°C): #1: 0.0 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?		✓	
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6
 For discrepancies, how was the Project Manager notified? Verbal PM Initials: _____ Date/Time _____
 Email (email sent to/on): _____ / _____
 Project Manager's response:

Completed By:  Date: 10/2/18

**Suspended Solids, Soluble Sulfide, Total COD
8260B & 8270C (w/expanded analyte list).**

For information, please
(562) 699-7411

**SELF MONITORING REPORT
2016 Report Due No Later Than : 01/16/2017**

Former ANCO Site page 1 of 4
417 West 164th Street
Gardena, CA 90248

Wastewater Discharge Address: **417 W 164TH Street Carson, CA, 90248** Sample Location: **21560A**
Mailing Address: **1900 Avenue of the Stars, 21st Floor Los Angeles, CA, 90067**
Industrial Wastewater Contact Name and Phone Number: **Ms. Sedina Banks** **310-201-7436 - Business**

Has Ownership or Occupancy Changed Since the Last Report? Yes No

(Print) Name of Company Collecting Wastewater Sample:

(Print) Sample Date:

Daily Wastewater Discharge for Reporting Period	Method For Determining Wastewater Flow for Sampling Day	Type of Composite Sample
Average: _____ GPD	<input type="checkbox"/> Direct Measurement	<input type="checkbox"/> Time Composite
Maximum: _____ GPD	<input type="checkbox"/> Adjusted Metered Water Supply	<input type="checkbox"/> Flow Proportioned Composite
	<input type="checkbox"/> No Discharge During Reporting Period	

Comments:

Parameter (1)	Sample Method (2)	Permit Limit (3)	Test Results (4)	Reporting Limit (5)	Unit (6)	Lab ID Code (7)
Z01 Sample Day Total Flow					GPD	
Z02 Sample Day Peak Flow					gpm	
101 pH	pH by Tech during sample p/u	Daily Minimum 5.0 S.U. Daily Minimum 6.0 S.U.			S.U.	
151 Solids, Suspended	COMPOSITE				mg/L	
152 Sulfide, Soluble	GRAB	Local At Any Time 0.1 mg/L			mg/L	
103 COD, Total	COMPOSITE				mg/L	
109 TTO, Volatile	GRAB	Local At Any Time 1000 ug/L	LACSD calculates this value.		ug/L	
601 Methylene Chloride	GRAB				ug/L	
602 Chloroform	GRAB				ug/L	
603 1,1,1-Trichloroethane	GRAB				ug/L	
604 Carbon Tetrachloride	GRAB				ug/L	
605 1,1-Dichloroethene	GRAB				ug/L	
606 Trichloroethylene	GRAB				ug/L	
607 Tetrachloroethylene	GRAB				ug/L	
608 Bromodichloromethane	GRAB				ug/L	
609 Dibromochloromethane	GRAB				ug/L	
610 Bromoform	GRAB				ug/L	
611 Chlorobenzene	GRAB				ug/L	
612 Vinyl Chloride	GRAB				ug/L	
613 o-Dichlorobenzene	GRAB				ug/L	
614 m-Dichlorobenzene	GRAB				ug/L	
615 p-Dichlorobenzene	GRAB				ug/L	

INDUSTRIAL WASTEWATER SELF MONITORING REPORT

Report due no later than : 01/16/2017

Company Name: **Formerly Stephen Claman**

Sample Location: **21560A** Reporting Period From: **07/01/2016** To: **12/31/2016**

<u>Parameter (1)</u>	<u>Sample Method (2)</u>	<u>Permit Limit (3)</u>	<u>Test Results (4)</u>	<u>Reporting Limit (5)</u>	<u>Unit (6)</u>	<u>Lab ID Code (7)</u>
616 1,1-Dichloroethane	GRAB				ug/L	
618 1,1,2-Trichloroethane	GRAB				ug/L	
619 1,2-Dichloroethane	GRAB				ug/L	
620 Benzene	GRAB				ug/L	
621 Toluene	GRAB				ug/L	
624 Ethyl Benzene	GRAB				ug/L	
645 trans-1,2-Dichloroethylene	GRAB				ug/L	
646 Bromomethane	GRAB				ug/L	
647 Chloroethane	GRAB				ug/L	
648 2-Chloroethylvinylether	GRAB				ug/L	
649 Chloromethane	GRAB				ug/L	
650 1,2-Dichloropropane	GRAB				ug/L	
651 cis-1,3-Dichloropropene	GRAB				ug/L	
652 trans-1,3-Dichloropropene	GRAB				ug/L	
653 1,1,2,2-Tetrachloroethane	GRAB				ug/L	
T10 TTO, Semi-Volatile	GRAB	Local At Any Time	1000 ug/L	LACSD calculates this value.	ug/L	
8270C (w/expanded analyte list)						
800 Acenaphthene	GRAB				ug/L	
801 Acenaphthylene	GRAB				ug/L	
802 Anthracene	GRAB				ug/L	
803 Benzidine	GRAB				ug/L	
804 Benzo(a)anthracene	GRAB				ug/L	
805 Benzo(a)pyrene	GRAB				ug/L	
806 Benzo(b)fluoranthene	GRAB				ug/L	
807 Benzo(g,h,i)perylene	GRAB				ug/L	
808 Benzo(k)fluoranthene	GRAB				ug/L	
809 Bis(2-cl-ethoxy)methane	GRAB				ug/L	
810 Bis(2-chloroethyl)ether	GRAB				ug/L	
811 Bis(2-cl-isopropyl)ether	GRAB				ug/L	
812 bis(2-ethylhexyl) Phthalate	GRAB				ug/L	
813 4-bromophenyl Phenylether	GRAB				ug/L	
814 butylbenzyl Phthalate	GRAB				ug/L	
815 2-Chloronaphthalene	GRAB				ug/L	
816 4-Chlorophenylphenylethe r	GRAB				ug/L	
817 Chrysene	GRAB				ug/L	
818 dibenzo(a,h)Anthracene	GRAB				ug/L	
822 3,3-Dichlorobenzidine	GRAB				ug/L	
823 diethyl Phthalate	GRAB				ug/L	
824 dimethyl Phthalate	GRAB				ug/L	

INDUSTRIAL WASTEWATER SELF MONITORING REPORT

Report due no later than : 01/16/2017

Page 3 of 4
 Permit Number:
 21560
 Facility ID:
 9244479

Company Name: **Formerly Stephen Claman**

Sample Location: **21560A** Reporting Period From: **07/01/2016** To: **12/31/2016**

<u>Parameter (1)</u>	<u>Sample Method (2)</u>	<u>Permit Limit (3)</u>	<u>Test Results (4)</u>	<u>Reporting Limit (5)</u>	<u>Unit (6)</u>	<u>Lab ID Code (7)</u>
825 di-n-butyl Phthalate	GRAB				ug/L	
826 2,4-Dinitrotoluene	GRAB				ug/L	
827 2,6-Dinitrotoluene	GRAB				ug/L	
828 di-n-octyl Phthalate	GRAB				ug/L	
829 1,2-Diphenylhydrazine	GRAB				ug/L	
830 Fluoranthene	GRAB				ug/L	
831 Fluorene	GRAB				ug/L	
832 Hexachlorobenzene	GRAB				ug/L	
833 Hexachlorobutadiene	GRAB				ug/L	
834 Hexachlorocyclopentadiene	GRAB				ug/L	
835 Hexachloroethane	GRAB				ug/L	
836 Indeno(1,2,3-c,d)Pyrene	GRAB				ug/L	
837 Isophorone	GRAB				ug/L	
838 Naphthalene	GRAB				ug/L	
839 Nitrobenzene	GRAB				ug/L	
840 n-Nitrosodimethylamine	GRAB				ug/L	
841 n-Nitrosodi-n-Propylamine	GRAB				ug/L	
842 Phenanthrene	GRAB				ug/L	
843 Pyrene	GRAB				ug/L	
845 2-Chlorophenol (Organic-BNA)	GRAB				ug/L	
846 1,2,4-Trichlorobenzene	GRAB				ug/L	
847 2,4-Dichlorophenol (Organic-BNA)	GRAB				ug/L	
848 2,4-Dimethylphenol (Organic-BNA)	GRAB				ug/L	
849 2,4-Dinitrophenol	GRAB				ug/L	
850 2-methyl-4,6-dinitrophenol	GRAB				ug/L	
851 2-Nitrophenol	GRAB				ug/L	
852 4-Nitrophenol	GRAB				ug/L	
853 4-chloro-3-Methylphenol (Organic-BNA)	GRAB				ug/L	
854 Pentachlorophenol (Organic-BNA)	GRAB				ug/L	
855 Phenol	GRAB				ug/L	
856 2,4,6-Trichlorophenol	GRAB				ug/L	
857 n-Nitrosodiphenylamine	GRAB				ug/L	



Los Angeles Regional Water Quality Control Board

April 5, 2019

Mr. Ed Iskenderian
P.O. Box 30
Gardena, CA 90247

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7017 0190 0000 4169 9332

SUBJECT: ACCESS REQUEST FOR IMPLEMENTATION OF APPROVED REMEDIAL ACTION PLAN

SITE/CASE: FORMER ANCO PLATING FACILITY, 417 WEST 164TH STREET, GARDENA, CALIFORNIA (SCP NO. 0714, SITE ID NO. 2041F00)

Dear Mr. Iskenderian:

The California Regional Water Quality Control Board (Regional Board), Los Angeles Region, is the public agency with primary responsibility for the protection of ground and surface water quality for all beneficial uses within major portions of the Los Angeles and Ventura Counties, including the referenced site. Reference is made to the current groundwater investigation and cleanup being conducted at the former ANCO site (Site) and vicinity by Leymaster Environmental Consulting, LLC (Leymaster), on behalf of the former Site owners. According to the information provided by Sedina Banks of Greenberg Glusker Fields Claman & Machtinger LLP, the attorney for the former Site owners, you are the appropriate individual to contact regarding the properties located at **317-333 West Gardena Boulevard, Carson, California** (your properties). It is our understanding that Sedina Banks and Leymaster have attempted to gain access to your property to install at-grade piping to groundwater remediation system injection wells; however, they have not been successful. Sedina Banks has indicated to the Regional Board that communications regarding access to your property have been ongoing since at least 2017.

On March 19, 2019, Regional Board staff discussed with you the required groundwater remediation and ongoing access negotiations between Sedina Banks and your attorney, Patrick Rendon. Regional Board staff also contacted Patrick Rendon on March 15, 2019 to discuss this matter. In an email dated March 6, 2019, Sedina Banks informed the Regional Board that ongoing access negotiations had not resulted in a final, signed access agreement for your properties. To avoid any future delay with this project and expedite the groundwater remediation near the Site, Regional Board staff is providing you with this letter regarding property access.

Pursuant to a California Water Code (CWC) sections 13267 and 13304 order issued to the Site, the Regional Board has directed the former ANCO owners to investigate and remediate the groundwater contamination originating from the Former ANCO Site, 417 West 164th Street, Gardena, California. One of the environmental issues associated with the Site is the presence of groundwater contamination migrating off-site from the former ANCO Site. Through its regulatory authority, the Regional Board has directed the former ANCO owners to remediate this offsite groundwater contamination by installing multiple groundwater injection wells at and in the vicinity of the former ANCO Site. The Regional Board approved an *Interim Remedial Action Plan* (IRAP) on September 7, 2016 (copy attached) for additional

IRMA MUÑOZ, CHAIR | DEBORAH SMITH, EXECUTIVE OFFICER

interim remediation of volatile organic compounds (VOC) in groundwater emanating from the former ANCO Site. According to the IRAP, at-grade piping is proposed to be installed at the perimeter of your properties located at 317-333 West Gardena Boulevard, Carson, California.

Contaminated groundwater moving beneath the Site and your property and contaminating additional groundwater is considered an active discharge for purpose of the CWC. Thus, the required groundwater remediation is necessary for the protection of the groundwater resource and public health. In order for the former ANCO owners and its consultant to complete the required remediation in a timely manner, the Regional Board is requesting that you work cooperatively with them and consider their requests and allow access onto your property to conduct the groundwater remediation activities. Access to the subject property is necessary to install and maintain the required piping. Should access be further delayed or denied, this Regional Board may require the owners or operators, at their own cost, to investigate and clean up the VOC contamination in groundwater beneath their property at 317-333 West Gardena Boulevard, Carson, California, pursuant to sections 13267 and 13304 of the CWC.

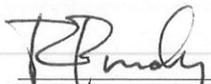
Please notify this Regional Board and the former ANCO Site owners in writing of your decision no later than **April 29, 2019**. The former ANCO Site owners' representative may be contacted at the following address:

Sedina Banks
Greenberg Glusker Fields Claman & Machtinger LLP
1900 Avenue of the Stars, 21st Floor
Los Angeles, CA 90067

The Regional Board staff are available to meet with you and the former ANCO Site owners to assist with the completion of the required groundwater remediation.

We thank you in advance for your prompt attention to this matter and look forward to working with you on gaining access to conduct the groundwater remediation at your property. Should you have any questions regarding this matter, please contact Gregg Crandall at (213) 576-6701 or via e-mail at gregg.crandall@waterboards.ca.gov.

Sincerely,


Deborah J. Smith
Executive Officer

Attachment: Regional Board Correspondence dated September 7, 2016
Site map with proposed groundwater remediation piping location

cc: Patrick L Rendon, 333 S. Grand Avenue, Suite 4200, Los Angeles, CA 90071
Sedina Banks, Greenberg Glusker Fields Claman & Machtinger LLP
Charles Lindeman, Leymaster Environmental Consultants, LLC
Mitchell G Lansdell, City Manager, Gardena
Roy Murdock, Coast Plating
Matthew Alty, Valence Surface Technologies

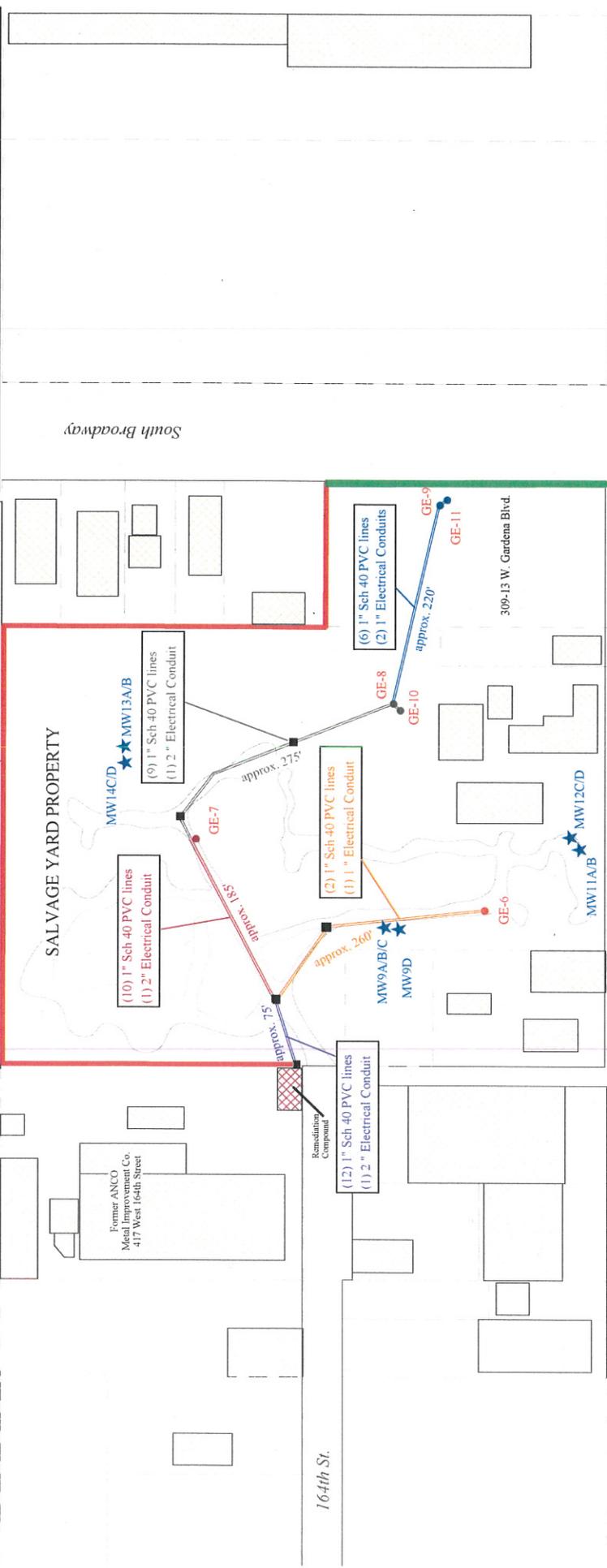
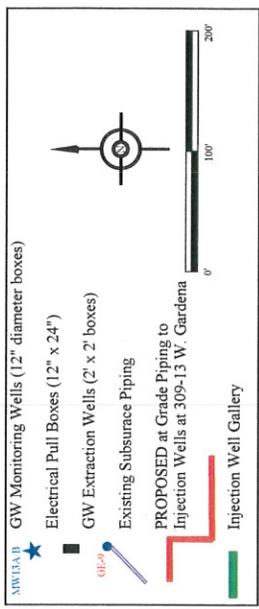


EXHIBIT B
 PROPOSED OFF-SITE SURFACE-GRADE PIPING
 Former ANCO Metal Improvement Company
 417 West 164th Street, Carson, CA 90248

Leymaster Environmental Consulting
 5500 East Alherton Street, Suite 210
 Long Beach, California 90815-4017



EDUARDO G. BROUFE JR.
GOVERNOR

MATTHEW RODRIGUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

Los Angeles Regional Water Quality Control Board

September 7, 2016

The Michael J. Quagletti and Peggy M. Quagletti Family Trust, Dated May 10, 1980
The Administrative Trust under The Stephen and Renee Claman Trust, Dated March 16, 1999
The Stephen Claman Exempt and Non-Exempt Trusts established under the Florence Claman Living Trust of 1976

CDMJ, LLC
c/o Sedina Banks
Greenberg Glusker Fields Claman & Machtinger LLP
1900 Avenue of the Stars, 21st Floor
Los Angeles, CA 90067

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7014 2870 0001 4537 5503**

SUBJECT: APPROVAL OF PROPOSAL FOR IN-SITU CHEMICAL OXIDATION INJECTION FOR ADDITIONAL INTERIM GROUNDWATER REMEDIATION, PURSUANT TO CALIFORNIA WATER CODE SECTIONS 13267 AND 13304 ORDER

SITE/CASE: FORMER ANCO PLATING FACILITY, 417 WEST 164TH STREET, GARDENA, CALIFORNIA (SCP NO. 0714, SITE ID NO. 2041F00)

Dear Ms. Banks:

The California Regional Water Quality Control Board, Los Angeles Region (Regional Board) staff have reviewed the May 1, 2015, *Remedial Action Plan for Down-Gradient Groundwater (RAP)*, submitted on your behalf by Leymaster Environmental Consulting, LLC for the site. The RAP was submitted in response to the Regional Board's February 8, 2008 CWC sections 13267 and 13304 Order (Order) requiring you to delineate the soil, soil gas, and groundwater plumes emanating from on-site source areas, and to remediate soil and groundwater to appropriate cleanup levels.

Pursuant to Section 13307.1 of the California Water Code (CWC), the Regional Board issued a letter on June 30, 2016, notifying the current fee title holders and site operators, at the former ANCO property and the off-site property where ISCO injection is to be performed, of our intent to approve the ISCO portion of the RAP. The letter also invited property owners and site operators to participate in the cleanup process by reviewing and providing comments on the RAP to the Regional Board by August 1, 2016. To date, no comments have been received pertaining to the RAP.

Summary of the RAP

The RAP proposes to further remediate volatile organic compounds (VOCs) in groundwater using in-situ chemical oxidation (ISCO) technology to inject a blend of potassium permanganate and treated groundwater effluent (diverted from the existing groundwater extraction system) into the down-gradient VOC groundwater plume. The RAP also proposes monitored natural attenuation (MNA) as a remedial

strategy to address residual groundwater contamination following the completion of active ISCO remediation.

Regional Board Response

A. Based on the review of the RAP, the Regional Board hereby approves the proposed ISCO option in the RAP for additional interim remediation of groundwater downgradient from the site, with the following comments and requirements:

1. The scope of work approved herein is considered an additional interim groundwater remediation measure, to be implemented concurrent with the on-going investigation to define the full extent of the VOC groundwater plume emanating from the site.
2. Regional Board staff reviewed the chemical compositions provided for proposed ISCO injection compounds and have determined that these compounds fall under the provisions of General Waste Discharge Requirements Order No. R4-2014-0187. Prior to initiating the ISCO injection proposed in the RAP, you must apply for and obtain Waste Discharge Requirements (WDR) from the Regional Board. Please submit a complete application/report of Waste Discharge (Form 200), including the appropriate fee and supporting documents, to the Regional Board, Groundwater Permitting Unit, attention: Dr. Eric Wu. An electronic copy of Form 200 and the fee schedules for WDRs can be accessed at the following address:

http://www.waterboards.ca.gov/losangeles/water_issues/programs/ground_water_permitting.shtml

No injection of the proposed ISCO compounds can commence until WDRs are issued for the site.

3. In addition to any WDR-related monitoring and reporting activities, the plume-wide groundwater monitoring and reporting shall continue to be conducted according to the existing schedule with semiannual groundwater monitoring/remedial progress reports being uploaded to GeoTracker by **January 15th and July 15th of each year.**
4. Prior to start of work, all necessary permits shall be obtained from appropriate agencies. Copies of the agency-approved permits must be included in the subsequent periodic groundwater monitoring and remediation progress report submitted to the Regional Board for the site.
5. Following the completion of remediation system installation and start-up, an ISCO implementation report shall be submitted to the Regional Board via GeoTracker no later than **90 days** from the commencement date of the ISCO remediation system operation.
6. Because all groundwater beneath and in the vicinity of the site is designated as a drinking water resource per the Regional Board's *Water Quality Control Plan*, groundwater cleanup goals for both the shallow and deeper saturated zones are either the California Drinking Water Maximum Contaminant Levels (MCLs), or background levels, for all contaminants of concern. Furthermore, State Water Resources Control Board Resolution No. 92-49, *Policies and Procedures for Investigation and Cleanup and Abatement of Discharges Under Water Code Section 13304* (Resolution 92-49), requires the wastes (VOCs) to be cleaned up to background concentrations or, if that is not reasonable, to an alternative level that is the most stringent level that is economically and technologically feasible.

September 7, 2016

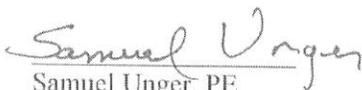
7. In the event that the interim remedial actions (both approved herein and previously implemented) for the site plume are unable to reduce VOC concentrations in groundwater to the MCLs (or other cleanup goals approved by the Regional Board) within a reasonable time frame, or if elevated concentrations of VOCs are determined to be continuously migrating down-gradient beyond the ISCO injection treatment zone, additional active remediation may be required to achieve MCLs or other approved cleanup goals.

- B. The proposal to implement MNA, following the completion of the interim active remedial actions, is not approved at this time. Before the Regional Board can consider an MNA proposal, the vertical and lateral extent of the groundwater plume must first be adequately defined, and groundwater must be actively remediated to the most economically and technologically feasible extent possible.

The above requirements for submittal of technical reports, as specified in items 3 and 5 above, constitute an amendment to the requirements of the California Water Code sections 13267 and 13304 Order originally dated February 8, 2008. All other aspects of the sections 13267 and 13304 Orders originally dated February 8, 2008, and the amendments thereto, remain in full force and effect. The required technical reports are necessary to investigate the characteristics of and extent of the discharges of waste at the site and to evaluate cleanup alternatives. Therefore, the burden, including costs, of the reports bears a reasonable relationship to the need for the reports and benefits to be obtained. Pursuant to section 13350 of the California Water Code, failure to submit the required technical reports by the specified due dates may result in imposition or civil liabilities administratively by the Regional Board in an amount up to five thousand dollars (\$5,000) per day for each day the technical report is not received, and the matter may be referred to the Attorney General for further enforcement. The Regional Board reserves its right to take any further enforcement action authorized by law.

Should you have any questions, please contact Mr. Gregg Crandall at (213) 576-6701 or gregg.crandall@waterboards.ca.gov.

Sincerely,


Samuel Unger, PE
Executive Officer

- cc: Charles Lindeman, Leymaster Environmental Consultants, LLC
Roy Murdock, Valence Coast Plating, Carson, CA
Matthew Alty, Valence Surface Technologies, Gardena, CA
San Pasqual Fiduciary Trust Company, 550 Hope Street, Suite 550, Los Angeles, CA 90071-2612
Attn: Leeann Davis, COO
Poindexter & Doutre, Inc., 624 South Grand Avenue, Suite 2420, Los Angeles, CA 90017
Attn: Robert D. Schwartz, Esq.
Steinberg & Foster, LLP, 1334 Park View Avenue, Suite 100, Manhattan Beach, CA 90266
Robert Haft, 129 19th Street, Manhattan Beach, CA 90266
The Michael J. Quagletti and Peggy M. Quagletti Family Trust, Dated May 10, 1980
(c/o Sedina Banks, Greenberg Glusker Fields Claman & Machtinger LLP)
The Administrative Trust under The Stephen and Renee Claman Trust, Dated March 16, 1999
(c/o Sedina Banks, Greenberg Glusker Fields Claman & Machtinger LLP)

The Stephen Claman Exempt & Non-Exempt Trusts established under the Florence Claman Living

Trust of 1976 (c/o Sedina Banks, Greenberg Glusker Fields Claman & Machtinger LLP)
CDMJ, LLC (c/o Sedina Banks, Greenberg Glusker Fields Claman & Machtinger LLP)
Albert Robles, Director, Water Replenishment District of Southern California, Division 5, 4040
Paramount Boulevard, Lakewood, CA, 90712
Harold C. Williams, Director, West Basin Municipal Water District Board, Division I
(latonyad@westbasin.org)

Los Angeles Regional Water Quality Control Board

June 20, 2019

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7017 0190 0000 4169 9516**

The Michael J. Quagletti and Peggy M. Quagletti Family Trust, Dated May 10, 1980
The Administrative Trust under The Stephen and Renee Claman Trust, Dated March
16, 1999
The Stephen Claman Exempt and Non-Exempt Trusts established under the Florence
Claman Living Trust of 1976
CDMJ, LLC

c/o Sedina Banks
Greenberg Glusker Fields Claman & Machtinger LLP
1900 Avenue of the Stars, 21st Floor
Los Angeles, CA 90067

**SUBJECT: NOTICE OF VIOLATION – FAILURE TO COMPLY WITH
REQUIREMENTS TO SUBMIT A TECHNICAL REPORT, PURSUANT
TO CALIFORNIA WATER CODE SECTION 13267 ORDER**

**SITE/CASE: FORMER ANCO PLATING FACILITY, 417 WEST 164TH STREET,
GARDENA, CALIFORNIA (SCP NO. 0714, SITE ID NO. 2041F00)**

Dear Ms. Banks:

The California Regional Water Quality Control Board (Regional Board), Los Angeles Region, is the public agency with primary responsibility for the protection of groundwater and surface water quality for all beneficial uses within major portions of Los Angeles and Ventura Counties, including the referenced site. To accomplish this, the Regional Board issues investigative and cleanup and abatement orders authorized by the Porter-Cologne Water Quality Control Act (California Water Code [CWC], Division 7).

In a California Water Code (CWC) sections 13267 and 13304 Order (Order) dated February 8, 2008 (attached), the Regional Board directed Mr. Stephen Claman of C & Q Investments, LLP (Former ANCO Responsible Parties) to submit technical reports for

the lateral and vertical delineation of impacted groundwater both on-site and off-site. In a July 20, 2018 amendment to the Order (attached), the Regional Board required the submittal of a groundwater monitoring well installation report (Report) by November 20, 2018. The due date for submittal of the Report was later extended to May 20, 2019 in Regional Board correspondence dated December 28, 2018 (attached). Regional Board staff contacted you on June 4, 2019 to remind you of the required Report. In a follow-up e-mail to Regional Board staff dated June 6, 2019, your consultant, Leymaster Environmental Consulting, LLC, stated that the monitoring well installation is currently scheduled to begin July 15, 2019, and a technical report for the new well installation should be submitted approximately 30 days thereafter.

To date, the Regional Board has not received the Report that was due by May 20, 2019.

YOU ARE HEREBY NOTIFIED that you are in violation of the Order issued pursuant to CWC section 13267 on February 8, 2008, and as amended on July 20, 2018 and December 28, 2018, by the Regional Board Executive Officer, by failing to timely submit the Report by the required due date of May 20, 2019. You are required to immediately submit the Report.

You are required to immediately ensure full compliance with the Order dated February 8, 2008, and as amended on December 28, 2018.

The Report shall be submitted to the Regional Board via GeoTracker to the attention of:

Mr. Gregg Crandall
Los Angeles Regional Water Quality Control Board
320 West 4th Street, Suite 200
Los Angeles, CA 90013-2343

Compliance with the task listed in this Notice of Violation does not affect the Regional Board's authorization to take enforcement action against you for the violation noted herein. This violation may subject you to further enforcement actions, including administrative civil liabilities up to one thousand dollars (\$1000) for each day each technical report is out of compliance with the Order. The Regional Board reserves its right to take any further enforcement action authorized by law, including referring the matter to the Attorney General.

If you have questions, please contact the case manager, Mr. Gregg Crandall, at (213) 576-6701 or via email at gregg.crandall@waterboards.ca.gov, or Ms. Su Han, Supervisor, Site Cleanup Program Unit I, at (213) 576-6735 or via email at su.han@waterboards.ca.gov.

Sincerely,


Hugh Marley
Assistant Executive Officer

Attachments: 1. Regional Board CWC section 13267 Order dated February 8, 2008
2. Amendment to the Order dated July 20, 2018
3. Amendment to the Order dated December 28, 2018

cc: Charles Lindeman, Leymaster Environmental Consultants, LLC
Laura Drabandt, Office of Enforcement, State Water Resources Control Board
Mitchell G Lansdell, City Manager, Gardena, California
Roy Murdock, Coast Plating
Matthew Alty, Valence Surface Technologies



California Regional Water Quality Control Board

Los Angeles Region



Linda S. Adams
Cal/EPA Secretary

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.waterboards.ca.gov/losangeles>

Arnold Schwarzenegger
Governor

February 8, 2008

Mr. Stephen Claman
C & Q Investment, LLP
1900 Avenue of the Stars
Los Angeles, CA 90067

Certified Mail
Return Receipt Requested
Claim No. 7006 3450 0002 4641 9579

CALIFORNIA WATER CODE SECTIONS 13267 AND 13304: REQUIREMENTS FOR SOIL AND GROUNDWATER INVESTIGATION AND REMEDIATION - FORMER ANCO PLATING FACILITY, 417 WEST 164TH STREET, GARDENA, CALIFORNIA (SLIC NO. 0714, SITE ID NO. 2041F00)

Dear Mr. Claman:

The Los Angeles Regional Water Quality Control Board (Regional Board) staff received and reviewed *Groundwater Investigation and Monitoring Report and Interim Remediation Action Plan (Second Quarter 2007)* (Report), dated October 1, 2007, prepared by Waterstone Environmental, Inc. for the above-referenced site. This Report presents the results of the recent additional characterization of on-site and off-site lateral, and vertical extent of volatile organic compounds (VOCs) and chromium impacted groundwater, and further evaluation of the potential up-gradient source(s) via soil vapor sampling.

The above-referenced facility (Site) was operated by ANCO Metal Improvement Company (ANCO) from 1967 through 1994. ANCO anodized, plated, and painted metal parts for the aircraft and aerospace industry. The operations ceased at the Site in 1994. Historical operations included vapor degreasing, metal plating, wastewater treatment, clarifier operation, and materials storage. The results from past investigations concluded that VOCs, including tetrachloroethene (PCE), impacted soil and groundwater beneath the Site. In 1998, the vapor degreasers were removed and the impacted soil beneath was excavated and disposed off-site. Based on the results of the limited soil confirmation samples collected from the degreaser excavation, this Regional Board issued a "No Further Action" (NFA) letter for soil only on April 30, 1999, with a semi-annual groundwater sampling requirement for two years. In 2002, Coast Plating started operating at the Site.

The Regional Board's July 14, 2005, letter indicated that your request for a groundwater NFA could not be granted at that time based on the information submitted in the *Final Semi-Annual Groundwater Sampling and Closure Report* (March 2005) (Final Report). The Final Report indicated the extent of VOCs in groundwater was not delineated completely on site, and the highest PCE concentration on-site was 1,740 micrograms per liter ($\mu\text{g/L}$). Subsequently, you were directed to complete delineation of the VOCs impacted groundwater plume and continue a semi-annual groundwater monitoring program. As a result, off-site groundwater investigations were conducted, and additional groundwater sampling and soil vapor sampling were conducted on- and off-site.

The depth to groundwater at the Site is approximately 36 feet (ft.) below ground surface (bgs). Based on the groundwater gradient, groundwater flows to the east and southeast with an average hydraulic gradient of 0.005 ft/ft. There are eight existing groundwater monitoring wells on site. In May 2007, PCE was detected at concentrations up to 2,750 $\mu\text{g/L}$ in groundwater.

California Environmental Protection Agency



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

The Report indicates that:

- Seventeen grab groundwater samples were collected from approximately 45 feet bgs using a Hydropunch. The samples were analyzed for VOCs to determine the lateral, up-gradient and down-gradient extent of the VOC plume. PCE was detected in all down-gradient and cross-gradient grab groundwater samples and ranged in concentrations from 3.1 to 1,210 µg/L. PCE concentrations ranging from 2.9 to below 1.0 µg/L were reported in the three most up-gradient grab groundwater samples and 21.9 µg/L was reported for the sample from the nearest up-gradient well.
- A cone penetration test (CPT) was conducted near the site boundary at a location adjacent to groundwater monitoring well MW-7. Groundwater samples from MW-7 have historically contained the highest concentrations of PCE. The CPT was used to determine the vertical chemical profile, to construct a soil log, and to confirm that the Gardena Aquifer was reached. Groundwater samples were collected via Hydropunch at five depths (40, 50, 62, 88, and 112 ft bgs) and analyzed for VOCs. PCE was detected in water samples collected at these five depths at concentrations of 2,700, 1,090, 160, 919, and below 1 µg/L, respectively.
- In March 2000, the groundwater sample collected from groundwater monitoring well MW-15 was analyzed for chromium due to a green discoloration observed in a groundwater sample collected from the well in December 1999. Since then total chromium and hexavalent chromium have been monitoring in wells MW-1 through MW-8. Total chromium concentrations ranging from below 10 and up to 1,045 µg/L and hexavalent chromium concentrations ranging from 5 to 997 µg/L were reported in the latest monitoring report in 2007.
- Thirteen soil vapor samples were collected at 5 ft. bgs at off-site down-gradient locations. PCE concentrations ranged from 0.26 to 7.0 µg/L. Three on-site soil vapor samples from three different locations at 10 ft. bgs were also collected. PCE concentrations ranged from 152 to 4,028 µg/L, with the highest PCE concentrations detected at locations in the immediate vicinity of the former on-site degreaser units. Twelve more soil vapor samples were collected at 5 and 10 ft. bgs off-site up-gradient locations. PCE concentrations ranged from less than 0.02 to 96.8 µg/L.
- In addition to PCE, the groundwater samples also contained trichlorofluoromethane, trichloroethene (TCE), 1,1-dichloroethane, cis 1,2-dichloroethene, 1,1-dichloroethene, benzene, ethyl benzene, toluene, acetone, chloroform, and methylene chloride. In addition to PCE, the soil vapor samples also contained trichlorofluoromethane, TCE, 1,1-dichloroethene, ethyl benzene, toluene, chloroform, xylenes, and 1,1,1-trichloroethane.

In the same Report, the Interim Remedial Action Plan (IRAP) proposes:

- To use a combination of two technologies: in-well air stripping for plume containment and former source area control, and in-situ chemical oxidation through ozone sparging for mass reduction in the center of the plume area.
- Natural attenuation for the limited residual volume of total chromium and hexavalent chromium impacted groundwater with continuation of groundwater monitoring to further evaluate this remedial alternative.

California Environmental Protection Agency



Based on our review of the information included in the Report, we have the following comments:

- A. The vertical and lateral extents of the VOCs impacted groundwater off-site have not been fully defined.
- B. Permanent multi-depth groundwater monitoring wells, located both on- and off-site, are necessary to monitor the status of the VOCs impacted groundwater plume.
- C. The detected soil vapor concentrations of PCE on-site exceed the California Human Health Screening Levels (CHHSL) of 0.603 and 0.18 µg/L for commercial/industrial land use and residential land use scenarios, respectively. The detected concentrations of the VOCs warrant a thorough Human Health Risk Assessment (HHRA) for the various exposure pathways, including inhalation through possible vapor intrusion into indoor space.

Based on the elevated concentrations of PCE and other VOCs detected in the Site's soil vapor, Regional Board staff have determined that the leachable and mobile chemicals of concern present in soil threaten to cause contaminant concentrations in groundwater to remain above applicable groundwater cleanup levels and pose potential human health concerns for the on-site workers. Therefore, the "no further action is necessary for the soil", stated in the April 30, 1999, Regional Board letter, will no longer be applicable to the Site. Pursuant to sections 13267 and 13304 of the California Water Code, you are hereby directed to:

- Conduct further investigations to define the lateral and vertical extent of the contaminated soil and soil vapor on-site, and define the vertical and lateral extents of the contaminated groundwater off-site.
- Remediate the contaminated soil and groundwater to appropriate cleanup levels approved by the Regional Board.
- Document your efforts in technical reports.

These technical reports must be submitted to the Regional Board in accordance with the schedules specified below:

1. A work plan, including a health and safety plan, for additional groundwater monitoring wells, shall be submitted by **July 1, 2008**, for our review and approval. To adequately delineate the groundwater plume, new multi-depth groundwater monitoring wells must be installed at appropriate depths and locations on-site and off-site. In addition to chemical data, soil physical parameters, such as particle size, bulk density, water content, total organic carbon content, and other data you find relevant, shall be collected during well installation or additional groundwater investigation. Both the chemical and physical data will be used for evaluation of the contaminant fate and transport in the subsurface porous media, and for the preparation of the remedial action plan for the Site.
2. Continue the groundwater monitoring program for all existing groundwater monitoring wells. Following the completion of the new well installations, the new groundwater monitoring wells shall be sampled quarterly in accordance with the current groundwater monitoring program.
3. A pilot test work plan for the proposed in-situ chemical oxidation shall be submitted to the Regional Board by **December 1, 2008**, for approval, and a Waste Discharge Requirement

- (WDR) must be obtained from this Regional Board office prior to any field activities related to the in-situ chemical oxidation treatment system.
4. When soil vapor data exceed CHHSL values, the Regional Board requires either a site-specific Human Health Risk Assessment (HHRA) or the evaluation and mitigation of subsurface vapor intrusion to indoor air. Therefore, you are required to submit a work plan by **September 1, 2008**, to conduct an additional soil vapor survey to evaluate the potential health impact of volatilization of soil contaminants to the surface, including, but not limited to, further investigation activities to characterize the lateral extent of the VOCs impacted soil vapor. Please note that once submitted to the Regional Board, the HHRA must be reviewed and approved by the Office of Environmental Health Hazard Assessment. In the event that indoor air evaluation shows impact, additional mitigation measures may be required.
 5. Following the completion of the soil, soil gas, and groundwater plume delineation, a final remedial action plan (RAP) for soil and groundwater remediation shall be prepared and submitted by **September 1, 2010**, for our review and approval. The RAP must include, at a minimum, the following information:
 - a. Assessment of impacts, including hydrogeologic and contaminant characteristics of the site, and suspected preferential pathways, such as floor drains/sumps, sewer lines, water lines, storm drains, electrical and phone lines, etc., which shall be illustrated in plan and cross-section views.
 - b. Determination of applicable cleanup levels. The proposed soil cleanup levels must ensure that remaining leachable or mobile chemicals of concern do not threaten to cause groundwater or surface water to exceed applicable water cleanup levels, and do not threaten public health through any potential pathway. According to the Water Quality Control Plan (Basin Plan) for the Los Angeles Region, groundwater in the site area shall not contain concentrations of chemical constituents in excess of the California drinking water standards specified in Title 22 of the California Code of Regulations.
 - c. Evaluations of remediation alternatives, including the proposed pilot studies. Each recommended remediation alternative must be capable of achieving the cleanup goals proposed and approved for the Site. The RAP must evaluate the appropriateness and cost effectiveness of the proposed remediation alternatives for restoring or protecting the designated beneficial uses of the waters of the State.
 - d. A plan to monitor and report the results of additional site investigation and the effectiveness of the remedial action selected.

Pursuant to section 13307.1 of the California Water Code, the Regional Board is required to notify all current fee title holders for the subject site prior to considering corrective action or granting case closure. As the identified current primary or active responsible party for corrective action and/or cleanup at the Site, we are requesting that you provide us with a complete list of all record fee title holders for the subject site and appropriate documentation. Therefore, please provide the name, mailing address, electronic mailing address, and telephone number for all record fee title holders for the site together with a copy of county record of current ownership and parcel map, available from the County Recorder's Office, for verification. Please submit the requested information, or complete the Certification Declaration form (sent previously on October 29, 2007) and submit it, to this Regional Board by **June 1, 2008**.

California Environmental Protection Agency



Recycled Paper

Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

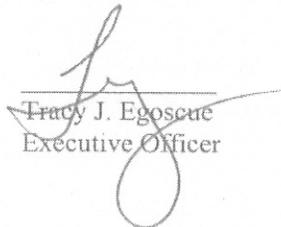
Pursuant to section 13268 of the California Water Code (CWC), failure to submit the required reports, work plans, or documents by the due dates may result in civil liability administratively imposed by the Regional Board in an amount up to one thousand dollars (\$1,000) for each day the report or document is not received. These civil liabilities can be assessed by the Regional Board at any time after above due date(s), and without further warning.

Pursuant to CWC section 13304, you shall comply with cleanup and abate the soil and groundwater pollution and threatened pollution caused by the historic operations conducted at the site. Failure to comply with the terms of this Order may result in imposition of civil liabilities, either administratively by the Regional Board or judicially by the Superior Court in accordance with section 13350 of the CWC, and/or referral to the Attorney General of the State of California for such action as he may deem appropriate.

Pursuant to CWC section 13320, the responsible parties may seek review of this CWC section 13267 letter by filing a petition with the State Water Resources Control Board (State Board). Such petition must be sent to the State Board, located at P.O. BOX 100, 1001 I Street, Sacramento, California 95814, within 30 days of receipt of this CWC 13267 letter.

Should you have any questions, please contact Thizar Tintut-Williams at (213) 576-6723 or Ms. Su Han at (213) 576-6735.

Sincerely,


Tracy J. Egoscue
Executive Officer

cc: Ms. Heather Collins – California Department of Health Services
Mr. Chris Nagler, WaterMaster, California Department of Water Resources
Mr. Bernard Franklin, Los Angeles County, Water and Sewerage Program
Ms. Shahin Nourishad, LA County Fire Department-Health Hazardous Material Division
Mr. Mitchell G. Lansdell, City Manager, Gardena
Mr. Roger J. Holt, GreenbergGlusker
Mr. Roy Murdock, Coast Plating
Mr. Jeffrey V. Dagdigian, Waterstone Environmental, Inc.
Mr. Eric A. Smith, Waterstone Environmental, Inc.
Mr. Edward Iskenderian
Mr. John Herrera

/ttw

California Environmental Protection Agency



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.



Los Angeles Regional Water Quality Control Board

July 20, 2018

The Michael J. Quagletti and Peggy M. Quagletti Family Trust, Dated May 10, 1980
The Administrative Trust under The Stephen and Renee Claman Trust, Dated March 16, 1999
The Stephen Claman Exempt and Non-Exempt Trusts established under the Florence Claman Living Trust of 1976

CDMJ, LLC
c/o Sedina Banks
Greenberg Glusker Fields Claman & Machtinger LLP
1900 Avenue of the Stars, 21st Floor
Los Angeles, CA 90067

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7017 2400 0000 3753 7585**

SUBJECT: APPROVAL OF WORK PLAN FOR INSTALLING ADDITIONAL OFFSITE DOWN-GRADIENT GROUNDWATER MONITORING WELLS, PURSUANT TO CALIFORNIA WATER CODE SECTIONS 13267 AND 13304 ORDER

SITE/CASE: FORMER ANCO PLATING FACILITY, 417 WEST 164TH STREET, GARDENA, CALIFORNIA (SCP NO. 0714, SITE ID NO. 2041F00)

Dear Ms. Banks:

Los Angeles Regional Water Quality Control Board (Regional Board) staff have reviewed the June 15, 2018, *Work Plan for Installing Additional Offsite Down-Gradient Groundwater Monitoring Wells* (Work Plan) proposing additional groundwater assessment in the downgradient vicinity of the site. The Work Plan was submitted on your behalf by Leymaster Environmental Consulting, LLC, (LEC), in response to the February 20, 2018 amendment to the Regional Board's California Water Code sections 13267 and 13304 Order, issued on February 8, 2008, for the referenced site.

Summary of the Work Plan

The Work Plan proposes the installation and sampling of three clustered off-site downgradient monitoring wells at the property located at 210 East Gardena Boulevard, Gardena, California, approximately 500 to 650 feet downgradient of existing monitoring well MW-18. The wells are proposed to be screened within the A/B, C, and D groundwater zones. Groundwater samples will be collected from each well and delivered to a state-certified environmental laboratory for analysis by EPA Method 8260B.

Regional Board Response

Upon review of the Work Plan and based on the information submitted to date, the Regional Board approves the proposed scope of work for the additional investigation of impacts to groundwater emanating from the site. Following the completion of all field work and laboratory analyses, a report presenting the results of the additional subsurface investigations shall be submitted to the Regional Board via GeoTracker by **November 20, 2018**.

Sedina Banks
ANCO
SCP No. 0714

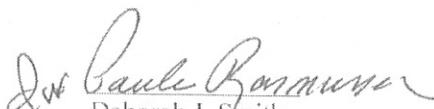
-2-

July 20, 2018

The above requirement for submittal of a technical report constitutes an amendment to the requirements of the California Water Code sections 13267 and 13304 Order originally dated February 8, 2008. All other aspects of the Order originally dated February 8, 2008, and the amendments thereto, remain in full force and effect. The required technical report is necessary to investigate the characteristics of and extent of the discharges of waste at the site and to evaluate cleanup alternatives. Therefore, the burden, including costs, of the report bears a reasonable relationship to the need for the report and benefits to be obtained. Pursuant to section 13268 of the California Water Code, failure to submit the required technical report by the specified due date may result in civil liability administratively imposed by the Regional Board in an amount up to one thousand dollars (\$1000) for each day the technical report is not received.

Should you have any questions, please contact Mr. Gregg Crandall at (213) 576-6701, or Gregg.crandall@waterboards.ca.gov.

Sincerely,



Deborah J. Smith
Executive Officer

cc: Charles Lindeman, Leymaster Environmental Consultants, LLC
Mitchell G Lansdell, City Manager, Gardena
Roy Murdock, Coast Plating
Matthew Alty, Valence Surface Technologies



Los Angeles Regional Water Quality Control Board

December 28, 2018

The Michael J. Quagletti and Peggy M. Quagletti
Family Trust, Dated May 10, 1980

The Administrative Trust under The Stephen and Renee
Claman Trust, Dated March 16, 1999

The Stephen Claman Exempt and Non-Exempt Trusts,
established under the Florence Claman Living Trust of 1976

CDMJ, LLC

c/o Sedina Banks
Greenberg Glusker Fields Claman & Machtinger LLP
1900 Avenue of the Stars, 21st Floor
Los Angeles, CA 90067

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7017 0190 0000 4169 9318**

**SUBJECT: APPROVAL OF TIME EXTENSION REQUEST FOR SUBMITTAL OF
TECHNICAL REPORT, PURSUANT TO CALIFORNIA WATER CODE
SECTIONS 13267 AND 13304 ORDER**

**SITE/CASE: FORMER ANCO PLATING FACILITY, 417 WEST 164TH STREET, GARDENA,
CALIFORNIA (SCP NO. 0714, SITE ID NO. 2041F00)**

Dear Ms. Banks:

Los Angeles Regional Water Quality Control Board (Regional Board) staff have reviewed the November 12, 2018, *Request for a 180-Day Extension – Off-Site, Down-Gradient MW Cluster Installation* (Letter) submitted on your behalf by Leymaster Environmental Consulting, LLC, (LEC) for the referenced site. The Letter requests an extension of the November 20, 2018 due date for the submittal of a technical report for additional groundwater investigation, as required in the Regional Board's California Water Code sections 13267 and 13304 Order.

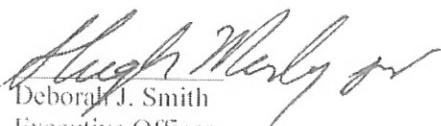
The reason for the requested time extension is to allow additional time to secure access and to install the required monitoring wells at the off-site target property. According to information included in the Letter, following numerous attempts to contact the property owner for access, the property owner responded in writing on October 9, 2018, declining access to the site at this time. However, the property owner left open the possibility of access in the future if certain conditions were met. The Letter states that you are currently negotiating the additional terms needed for access.

After reviewing your request, the additional information and file documents for this site, the Regional Board approves your extension request from November 20, 2018 to **May 20, 2019** to submit the technical report.

The new due date for submittal of the required technical report constitutes an amendment to the reporting schedule stated in the July 20, 2018 amendment to the California Water Code sections 13267 and 13304 Order originally dated February 8, 2008. All other aspects of the Order originally dated February 8, 2008, and the amendments thereto, remain in full force and effect. The required technical report is necessary to investigate the characteristics of and extent of the discharges of waste at the site and to evaluate cleanup alternatives. Therefore, the burden, including costs, of the report bears a reasonable relationship to the need for the report and benefits to be obtained. Pursuant to section 13268 of the California Water Code, failure to submit the required technical report by the specified due date may result in civil liability administratively imposed by the Regional Board in an amount up to one thousand dollars (\$1000) for each day the technical report is not received.

Should you have any questions, please contact Mr. Gregg Crandall at (213) 576-6701 or gregg.crandall@waterboards.ca.gov, or Ms. Su Han at (213) 576-6735 or su.han@waterboards.ca.gov.

Sincerely,


Deborah J. Smith
Executive Officer

cc: Charles Lindeman, Leymaster Environmental Consultants, LLC
Mitchell G Lansdell, City Manager, Gardena
Roy Murdock, Coast Plating
Matthew Alty, Valence Surface Technologies

LEYMASTER ENVIRONMENTAL CONSULTING, LLC

May 14, 2010

Mr. Gregg Crandall
Los Angeles Regional Water Quality Control Board
320 West 4th Street, Suite 200
Los Angeles, CA 90013

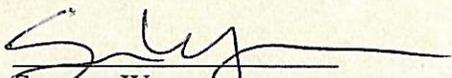
Re: SUBSURFACE SOIL-VAPOR INVESTIGATION REPORT
417 w. 164th Street
Gardena, California 90248

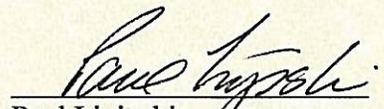
Dear Mr. Crandall:

Leymaster Environmental Consulting, LLC (LEC) has been retained by Mr. Stephen Claman to prepare this *Subsurface Soil-Vapor Investigation Report* for the above referenced site. The report describes the activities and results of the shallow soil-vapor investigation that was conducted at the site on May 13, 2010.

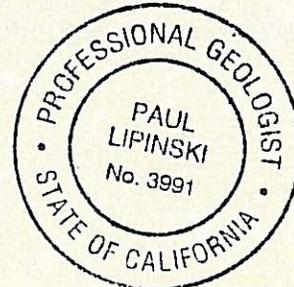
If you have any questions regarding this report, please call our office at (562) 799-9866.

Sincerely,


Spencer Wagner
Associate Project Manager


Paul Lipinski
Professional Geologist # 3991

Copy to: Stephen Claman (E-mail)
Mike Quagletti (E-mail)
Roger Holt (E-mail)



5500 E. Atherton Street, Suite 210
Long Beach, CA 90815
Office: (562) 799-9866 Fax: (562) 799-1963
www.leymaster.net

Subsurface Soil-Vapor Investigation Report

**Former ANCO Plating Facility
417 W. 164th Street
Gardena, California 90248**

May 14, 2010

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ATTACHMENTS

Attachment I	Soil-Vapor Sampling Analytical Report
Attachment II	Soil Parameters Analytical Report
Attachment III	J&E Model Outputs

FIGURES

Figure 1	Site Map
Figure 2	Site Map with Soil-Vapor Probe Locations
Figure 3	Permanent Soil Vapor Probe Design
Figure 4	Site Map with Soil-Vapor Probe Analytical Results

Subsurface Soil-Vapor Investigation Report
Former ANCO Plating Facility
417 W. 164th Street
Gardena, California 90248

1.0 BACKGROUND

The former ANCO Plating facility was constructed in 1967. Operations at the facility included anodizing, plating, and painting metal parts for the aircraft and aerospace industry. In addition, a small vapor degreaser (that used the chemical compound tetrachloroethene (PCE)) was used in the cleaning process. The facility was operated by ANCO Metal Improvement Company (ANCO) from 1967 through 1994. Operations ceased at the Site in 1994 and were not restarted until 2002, when Coast Plating started operating at the Site. The Site (see Figure 1) was recently owned by C&Q Investments, LLC and ownership was transferred to Coast Plating although C&Q Investments retained the responsibility to obtain a no further action letter for the Site.

Several soil and groundwater investigations were conducted at the site between 1994 and 1998. These investigations included the collection and analysis of 123 soil samples (from 30 borings), 37 soil-vapor samples, and the installation and sampling of five groundwater monitoring wells.

The initial subsurface soil investigation was conducted in 1994. The investigation consisted of the completion of 12 soil borings in 5 different areas of concern. Results of the investigation indicated that no environmental impact was associated with the plating lines, wastewater treatment area, or materials storage areas. The results did indicate that elevated concentrations of PCE were present in the one sample collected in the vicinity of the vapor degreaser.

Two soil-vapor investigations were conducted in 1996. Results of these investigations indicated the presence of elevated concentrations of PCE in soil-vapor samples collected in the vicinity of the vapor degreaser and in the south central portion of the building. The elevated concentrations of PCE were detected at multiple depths down to the groundwater table.

Additional soil and groundwater investigations were conducted in 1997 and 1998 to further characterize the subsurface impact in the vicinity of the vapor degreaser. The investigations included the completion of 11 soil borings and the installation and sampling of 5 groundwater monitoring wells. Results of the investigation indicated that the highest concentrations of PCE were in soil samples collected from depths of 35 and 40 feet (within the capillary fringe). Elevated concentrations of PCE were also detected in soil samples collected at 5- and 10-foot depths from a boring located in the vicinity of the vapor degreaser. Elevated concentrations of PCE were detected in all groundwater samples collected from upgradient and downgradient wells. The groundwater samples also contained elevated concentrations of trichlorofluoromethane (Freon 11) and trichloroethene (TCE).

The vapor degreaser was removed and impacted soil beneath the degreaser was excavated and disposed of offsite during the first half of 1998. An area approximately 15 feet long by 13 feet wide by 15 feet deep was excavated during February 23 and 24, 1998. Approximately 110 cubic yards of soil were removed from the excavation and shipped offsite for recycling. Fourteen confirmation soil samples were collected during the course of the excavation activities and analyzed onsite by a mobile laboratory. All confirmation soil samples were analyzed for halogenated volatile organic compounds (HVOCs) by EPA Method 8010. Confirmation soil samples were collected from the four side walls and from the floor of the excavation.

The Regional Water Quality Control Board (RWQCB) granted soil closure for the Site on April 30, 1999, and requested that C&Q Investments perform semi-annual groundwater sampling for a period of two years.

An additional groundwater investigation was completed in June 2000, during which two Hydropunch groundwater samples were collected. Elevated levels of PCE were detected in both of the samples.

In December 2005 and January 2006, three additional groundwater monitoring wells were installed on the down-gradient portion of the subject site.

In October 2006, 10 groundwater samples and 13 soil-vapor samples were collected on-site and downgradient of the subject site. PCE was detected in all the groundwater and soil-vapor samples.

Between April and September, 2007, a total of 18 Hydropunch borings were completed in areas upgradient and downgradient of the subject site. Samples were collected from 5 different depths (40', 50', 62', 88', and 112') from one of the boring locations in order to vertically delineate the groundwater contamination. During the same period, 15 soil-vapor samples were collected on-site and upgradient of the subject site.

In a RWQCB letter dated February 8, 2008, the Board states that "Based on the elevated concentrations of PCE and other VOCs detected in the Sites's soil vapor, Regional Board staff have determined that the leachable and mobile chemicals of concern present in soil threaten to cause contaminant concentrations in groundwater to remain above applicable groundwater cleanup levels and pose potential human health concerns for the on-site workers. Therefore, the "no further action is necessary for the soil", stated in the April 30, 1999, Regional Board letter, will no longer be applicable to the Site."

In March 2008, two in-well air-stripping wells and four observation wells (one of which was a multi-screened set of wells) were installed to conduct and monitor the effectiveness of a pilot test. The pilot test was conducted to evaluate in-well air stripping as a possible method to limit further migration of elevated concentrations of PCE in the down gradient portion of the groundwater plume.

The pilot test showed that in-well air-stripping was ineffective as a remedial method.

In November 2008, 7 downgradient Hydropunch samples were collected and two triple-nested groundwater monitoring wells (MW9A, B, C, and MW10A, B, C) were installed.

Groundwater and Vapor-Extraction systems were installed at the site during the months of August and September 2009. South Coast Air Quality Management District (SCAQMD) permit number G2915 was obtained for the operation of the vapor-extraction system and Industrial Wastewater Discharge permit number 20593 was obtained from the Los Angeles County Sanitation District for the discharge of treated water from the groundwater extraction system.

2.0 GEOLOGY AND HYDROGEOLOGY

2.1 Geology

The site is located within the Los Angeles Coastal Plain, approximately $\frac{3}{4}$ -mile south of the Rosecrans Hills, at an elevation of approximately 40 feet. The surface geology in the area is mapped by the California Division of Mines and Geology (Geologic Map of California, Long Beach Sheet) as Quarternary nonmarine terrace deposits. These deposits belong to the Pleistocene Lakewood Formation, which is at least 90 feet thick in boreholes drilled at the site. Boring logs indicate that the upper 40 feet of the Lakewood Formation beneath the site is made up of unconsolidated sediments ranging from silt to coarse sand, underlain by a silt/clay sequence up to 60 feet thick.

2.2 Hydrogeology

The site is within the West Basin hydrologic subarea. Monitoring wells at the site show that the depth to groundwater is approximately 36 feet below the land surface. The groundwater flow direction beneath the site is to the east-southeast and the hydraulic gradient is approximately 0.005 ft/ft.

2.3 Weather and Climatic Conditions

The climate in the area of the site is warm with dry summers and mild winters. The average temperatures during the warmest months, July through September, are in the mid-80 degree Fahrenheit range. The mean average annual precipitation in the area is approximately 12 inches. Approximately 90 percent of the annual precipitation falls between December and March.

3.0 SOIL-VAPOR INVESTIGATION

As described in Section 2.0, the subsurface soil contains evidence of historical releases of PCE resulting from facility operations. At the direction of RWQCB staff in their June 11, 2009, directive

letter, LEC prepared the *Subsurface Soil-Vapor Investigation Workplan*, dated August 11, 2009 to install additional vapor probes to determine the lateral extent of shallow soil-vapor contamination.

On May 13, 2010, ten borings were drilled to depths of 5-feet and vapor probes were inserted in the borings in order to retrieve soil-vapor samples from the ten offsite locations. The two probes (LECSV-7-5 and LECSV-8-5) located on the properties directly south of the subject site are permanent so that radius of influence data can be obtained and future soil-vapor samples can be retrieved following soil-vapor extraction activities. The vapor-probe locations are depicted on Figure 2.

The investigation consisted of the following tasks:

3.1 *Utility Clearance*

Underground Service Alert (USA) was notified 48 hours prior to the commencement of drilling activities. All locations of subsurface investigation were clearly marked with white paint. The locating service contacted all utility owners of record within the facility vicinity and notified them of the intention to conduct subsurface investigations in proximity to buried utilities.

3.2 *Soil-Vapor Probe Installation*

The soil-vapor samples were collected in accordance with the California Department of Toxic Substances Control (DTSC) protocols by driving the rod to five feet and inserting a perforated Tygon® tube into the rod, which was then withdrawn, leaving the tube in the ground. The annular space around the tube was backfilled with bentonite chips that were hydrated with drinking water to create a seal around the tube. The two permanent vapor probes were completed with 3-inch diameter traffic rated well vaults. A figure depicting permanent vapor-probe installation construction is included as Figure 3.

3.3 *Soil-Vapor Sampling Analytical Results*

After an equilibrium period of 30 minutes, ambient soil vapors were extracted from the tube using a syringe. The vapors were analyzed on-site in a California state-certified mobile laboratory. The samples were analyzed using United States Environmental Protection Agency (EPA) Method 8260B to determine concentrations of volatile organic compounds (VOCs). The results of the soil-vapor survey are included in Attachment I and are summarized below.

Sample I.D.	Sample Date	Sample Depth (feet)	Freon 113	Benzene	TCE	PCE
-------------	-------------	---------------------	-----------	---------	-----	-----

California Human Health Screening Levels (CHHSLs) Residential			--	0.036	0.528	0.18
California Human Health Screening Levels (CHHSLs) Commercial			--	0.122	1.77	0.603
LECSV-1-5	5/13/10	5	0.55	<0.10	<0.10	1.3
LECSV-2-5	5/13/10	5	<0.50	<0.10	<0.10	0.56
LECSV-3-5	5/13/10	5	<0.50	<0.10	0.15	5.5
LECSV-4-5	5/13/10	5	<0.50	<0.10	<0.10	1.7
LECSV-5-5	5/13/10	5	<0.50	<0.10	<0.10	1.8
LECSV-6-5	5/13/10	5	<0.50	<0.10	0.14	5.8
LECSV-6-5dup	5/13/10	5	<0.50	<0.10	0.12	4.6
LECSV-7-5	5/13/10	5	<0.50	0.13	<0.10	2.2
LECSV-8-5	5/13/10	5	<0.50	<0.10	<0.10	17
LECSV-9-5	5/13/10	5	<0.50	<0.10	<0.10	0.23
LECSV-10-5	5/13/10	5	<0.50	<0.10	<0.10	2.0

Results presented in micrograms per liter
 -- no CHHSLs available

All samples exceeded California Human Health Screening Levels (CHHSLs) for residential (0.18 µg/l) and commercial/industrial (0.603 µg/l) properties for tetrachloroethene. A site plan with soil-vapor analytical results is included as Figure 4.

3.4 Risk Assessment

Based on these results, a Screening Level Risk Assessment was completed to determine whether the constituents identified pose a threat to human health.

This Screening Level Risk Assessment followed the guidance in the Department of Toxic Substances Control (DTSC) Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (DTSC, February 7, 2005), and the DTSC Human and Ecological Risk Division (HERD)-approved Johnson & Ettinger soil gas screen, version 2.0 model (January 21, 2005).

The DTSC HERD-approved Johnson & Ettinger soil gas screen, version 2.0 model (J&E model) was used to estimate the potential risks and hazards due to the presence of PCE and TCE detected in soil vapor at a depth of five feet beneath the surface.

The J & E model was run using default variables for all parameters, except for the depth below grade at which the contaminants were detected in soil vapor (five feet beneath the surface), the exposure point concentrations, and the vadose-zone soil type. Physical soil property analyses were completed on a soil sample from five feet beneath the surface by PTS Laboratories (See Attachment II).

Specific permeability to air, dry bulk density, water filled porosity and total porosity were entered in the J & E model.

The J & E model was run for a residential scenario, wherein the exposure duration is 30 years, the exposure frequency is 350 days per year, and the averaging time for noncarcinogens is 30 days per year. The J & E model was also run for commercial/industrial use with exposure duration of 25 years, exposure frequency of 250 days per year, and averaging time for noncarcinogens of 25 days per year. The outputs for the J & E model are included in Attachment III.

The following table sums the risks from the soil-vapor concentrations for residential use based on the highest reported vapor concentrations near potential residential use (LECSV-6). The concentrations at this location are 5.8 µg/l of PCE and 0.14 µg/l of TCE.

Residential

VOC	Risk	Hazard
PCE	3.80E-08	4.30E-04
TCE	3.80E-10	7.30E-07
SUM	3.84E-08	4.31E-04

The following table sums the risks from the soil-vapor concentrations for commercial/industrial use based on the highest reported vapor concentration of 17.0 µg/l of PCE at soil-vapor location LECSV-8.

Commercial/Industrial

VOC	Risk	Hazard
PCE	6.60E-08	8.90E-04
SUM	6.60E-08	8.90E-04

The result of the screening level risk assessment is that the estimated risk due to exposure to PCE and TCE do not exceed the residential target risk value of 1×10^{-6} for both residential and commercial/industrial scenarios.

The estimated hazard for both the residential and commercial/industrial uses are less than the threshold of 1.0.

Based on this screening level risk assessment there are no human health risks off-site from the contaminants of concern located at 417 W. 164th Street in Gardena.

ATTACHMENT I

SOIL-VAPOR SAMPLING ANALYTICAL REPORT

13 May 2010



Mr. Spencer Wagner
Leymaster Environmental Consulting, LLC
5500 East Atherton St, Suite 210
Long Beach, CA 90815

H&P Project: LEY051310-L6
Client Project: 417 W. 164th St. Gardena, CA

Dear Client:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 13-May-10 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody

Unless otherwise noted, all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

Janis Villarreal
Laboratory Director

H&P Mobile Geochemistry, Inc. operates under CA Environmental Lab Accreditation Program Numbers 2579, 2740, 2741, 2742, 2743, 2745 and 2754. National Environmental Laboratory Accreditation Conference (NELAC) Standards Lab #11845



2470 Impala Drive
 Carlsbad, CA 92010
 760-804-9678 Phone
 760-804-9159 Fax

Leymaster Environmental Consulting, LLC 5500 East Atherton St, Suite 210 Long Beach, CA 90815	Project: LEY051310-L6 Project Number: 417 W. 164th St. Gardena, CA Project Manager: Mr. Spencer Wagner	Reported: 13-May-10 16:43
---	--	------------------------------

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DRAFT: LECSV-1-5', 1PV, P32cc	E005052-01	Vapor	12-May-10	13-May-10
DRAFT: LECSV-1-5', 3PV, P96cc	E005052-02	Vapor	12-May-10	13-May-10
DRAFT: LECSV-1-5', 7PV, P224cc	E005052-03	Vapor	12-May-10	13-May-10
DRAFT: LECSV-3-5', P32cc	E005052-04	Vapor	12-May-10	13-May-10
DRAFT: LECSV2-5', P32cc	E005052-05	Vapor	12-May-10	13-May-10
DRAFT: LECSV-4-5', P32cc	E005052-06	Vapor	12-May-10	13-May-10
DRAFT: LECSV-5-5', P110cc	E005052-07	Vapor	12-May-10	13-May-10
DRAFT: LECSV-6-5', P110cc	E005052-08	Vapor	12-May-10	13-May-10
DRAFT: LECSV-6-5' Dup, P160cc	E005052-09	Vapor	12-May-10	13-May-10
DRAFT: LECSV-7-5', P32cc	E005052-10	Vapor	12-May-10	13-May-10
DRAFT: LECSV-8-5', P32cc	E005052-11	Vapor	12-May-10	13-May-10
DRAFT: LECSV-9-5', P32cc	E005052-12	Vapor	12-May-10	13-May-10
DRAFT: LECSV-10-5', P32cc	E005052-13	Vapor	12-May-10	13-May-10



2470 Impala Drive
 Carlsbad, CA 92010
 760-804-9678 Phone
 760-804-9159 Fax

Leymaster Environmental Consulting, LLC
 5500 East Atherton St, Suite 210
 Long Beach, CA 90815

Project: LEY051310-L6
 Project Number: 417 W. 164th St. Gardena, CA
 Project Manager: Mr. Spencer Wagner

Reported:
 13-May-10 16:43

DRAFT: Volatile Organic Compounds by EPA Method 8260B Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DRAFT: LECSV-1-5', 1PV, P32cc (E005052-01) Vapor Sampled: 12-May-10 Received: 13-May-10									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	EE01302	13-May-10	13-May-10	EPA 8260B	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
Freon 113	0.55	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	1.3	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane	97.0 %	75-125	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	101 %	75-125	"	"	"	"	"	"	
Surrogate: Toluene-d8	99.3 %	75-125	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	97.8 %	75-125	"	"	"	"	"	"	



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Leymaster Environmental Consulting, LLC
 5500 East Atherton St, Suite 210
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Project: LEY051310-L6
 Project Number: 417 W. 164th St. Gardena, CA
 Project Manager: Mr. Spencer Wagner

Reported:
 13-May-10 16:43

DRAFT: Volatile Organic Compounds by EPA Method 8260B Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DRAFT: LECSV-1-5', 3PV, P96cc (E005052-02) Vapor Sampled: 12-May-10 Received: 13-May-10									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	EE01302	13-May-10	13-May-10	EPA 8260B	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
Freon 113	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	0.97	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane	100 %	75-125	"	"	"	"	"
Surrogate: 1,2-Dichloroethane-d4	106 %	75-125	"	"	"	"	"
Surrogate: Toluene-d8	97.0 %	75-125	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene	97.2 %	75-125	"	"	"	"	"



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Project: LEY051310-L6
 Project Number: 417 W. 164th St. Gardena, CA
 Project Manager: Mr. Spencer Wagner

Reported:
 13-May-10 16:43

DRAFT: Volatile Organic Compounds by EPA Method 8260B Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
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DRAFT: LECSV-1-5', 7PV, P224cc (E005052-03) Vapor Sampled: 12-May-10 Received: 13-May-10

1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	EE01302	13-May-10	13-May-10	EPA 8260B	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
Freon 113	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	0.84	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane	98.2 %	75-125	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	95.0 %	75-125	"	"	"	"	"	"	
Surrogate: Toluene-d8	95.2 %	75-125	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	97.8 %	75-125	"	"	"	"	"	"	



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Leymaster Environmental Consulting, LLC 5500 East Atherton St, Suite 210 Long Beach, CA 90815	Project: LEY051310-L6 Project Number: 417 W. 164th St. Gardena, CA Project Manager: Mr. Spencer Wagner	Reported: 13-May-10 16:43
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DRAFT: Volatile Organic Compounds by EPA Method 8260B Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DRAFT: LECSV-3-5', P32cc (E005052-04) Vapor									
Sampled: 12-May-10 Received: 13-May-10									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	EE01302	13-May-10	13-May-10	EPA 8260B	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
Freon 113	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	0.15	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	5.5	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane	101 %	75-125	"	"	"	"
Surrogate: 1,2-Dichloroethane-d4	105 %	75-125	"	"	"	"
Surrogate: Toluene-d8	99.5 %	75-125	"	"	"	"
Surrogate: 4-Bromofluorobenzene	102 %	75-125	"	"	"	"



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Project: LEY051310-L6
 Project Number: 417 W. 164th St. Gardena, CA
 Project Manager: Mr. Spencer Wagner

Reported:
 13-May-10 16:43

DRAFT: Volatile Organic Compounds by EPA Method 8260B Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
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DRAFT: LECSV2-5', P32cc (E005052-05) Vapor Sampled: 12-May-10 Received: 13-May-10

I,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	EE01302	13-May-10	13-May-10	EPA 8260B	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
Freon 113	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	0.56	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane	106 %	75-125	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	114 %	75-125	"	"	"	"	"	"	
Surrogate: Toluene-d8	99.7 %	75-125	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %	75-125	"	"	"	"	"	"	



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Leymaster Environmental Consulting, LLC 5500 East Atherton St, Suite 210 Long Beach, CA 90815	Project: LEY051310-L6 Project Number: 417 W. 164th St. Gardena, CA Project Manager: Mr. Spencer Wagner	Reported: 13-May-10 16:43
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DRAFT: Volatile Organic Compounds by EPA Method 8260B Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DRAFT: LECSV-4-5', P32cc (E005052-06) Vapor									
Sampled: 12-May-10 Received: 13-May-10									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	EE01302	13-May-10	13-May-10	EPA 8260B	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
Freon 113	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	1.7	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane	95.7 %	75-125	"	"	"	"
Surrogate: 1,2-Dichloroethane-d4	107 %	75-125	"	"	"	"
Surrogate: Toluene-d8	98.1 %	75-125	"	"	"	"
Surrogate: 4-Bromofluorobenzene	97.5 %	75-125	"	"	"	"



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Project: LEY051310-L6
 Project Number: 417 W. 164th St. Gardena, CA
 Project Manager: Mr. Spencer Wagner

Reported:
 13-May-10 16:43

DRAFT: Volatile Organic Compounds by EPA Method 8260B Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DRAFT: LECSV-5-5', P110cc (E005052-07) Vapor									
Sampled: 12-May-10 Received: 13-May-10									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	EE01302	13-May-10	13-May-10	EPA 8260B	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
Freon 113	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	1.8	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane	103 %	75-125	"	"	"	"	"
Surrogate: 1,2-Dichloroethane-d4	109 %	75-125	"	"	"	"	"
Surrogate: Toluene-d8	93.4 %	75-125	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene	112 %	75-125	"	"	"	"	"



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Project: LEY051310-L6
 Project Number: 417 W. 164th St. Gardena, CA
 Project Manager: Mr. Spencer Wagner

Reported:
 13-May-10 16:43

DRAFT: Volatile Organic Compounds by EPA Method 8260B Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DRAFT: LECSV-6-5', P110cc (E005052-08) Vapor Sampled: 12-May-10 Received: 13-May-10									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	EE01302	13-May-10	13-May-10	EPA 8260B	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
Freon 113	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	0.14	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	5.8	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane	99.4 %	75-125	"	"	"	"	"
Surrogate: 1,2-Dichloroethane-d4	110 %	75-125	"	"	"	"	"
Surrogate: Toluene-d8	99.7 %	75-125	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene	98.2 %	75-125	"	"	"	"	"



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Leymaster Environmental Consulting, LLC 5500 East Atherton St, Suite 210 Long Beach, CA 90815	Project: LEY051310-L6 Project Number: 417 W. 164th St. Gardena, CA Project Manager: Mr. Spencer Wagner	Reported: 13-May-10 16:43
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DRAFT: Volatile Organic Compounds by EPA Method 8260B Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
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DRAFT: LECSV-6-5' Dup, P160cc (E005052-09) Vapor Sampled: 12-May-10 Received: 13-May-10

1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	EE01302	13-May-10	13-May-10	EPA 8260B	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
Freon 113	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	0.12	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	4.6	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane	94.8 %	75-125	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	101 %	75-125	"	"	"	"	"	"	
Surrogate: Toluene-d8	89.8 %	75-125	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %	75-125	"	"	"	"	"	"	



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Project: LEY051310-L6
 Project Number: 417 W. 164th St. Gardena, CA
 Project Manager: Mr. Spencer Wagner

Reported:
 13-May-10 16:43

DRAFT: Volatile Organic Compounds by EPA Method 8260B Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DRAFT: LECSV-7-5', P32cc (E005052-10) Vapor Sampled: 12-May-10 Received: 13-May-10									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	EE01302	13-May-10	13-May-10	EPA 8260B	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
Freon 113	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
Benzene	0.13	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	2.2	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane	96.4 %	75-125	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	103 %	75-125	"	"	"	"	"	"	
Surrogate: Toluene-d8	92.7 %	75-125	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %	75-125	"	"	"	"	"	"	



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Project: LEY051310-L6
 Project Number: 417 W. 164th St. Gardena, CA
 Project Manager: Mr. Spencer Wagner

Reported:
 13-May-10 16:43

DRAFT: Volatile Organic Compounds by EPA Method 8260B Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
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DRAFT: LECSV-8-5', P32cc (E005052-11) Vapor Sampled: 12-May-10 Received: 13-May-10

1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	EE01302	13-May-10	13-May-10	EPA 8260B	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
Freon 113	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	17	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane	96.9 %	75-125	"	"	"	"	"	"
Surrogate: 1,2-Dichloroethane-d4	116 %	75-125	"	"	"	"	"	"
Surrogate: Toluene-d8	94.5 %	75-125	"	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene	104 %	75-125	"	"	"	"	"	"



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Project: LEY051310-L6
 Project Number: 417 W. 164th St. Gardena, CA
 Project Manager: Mr. Spencer Wagner

Reported:
 13-May-10 16:43

DRAFT: Volatile Organic Compounds by EPA Method 8260B Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DRAFT: LECSV-9-5', P32cc (E005052-12) Vapor Sampled: 12-May-10 Received: 13-May-10									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	EE01302	13-May-10	13-May-10	EPA 8260B	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
Freon 113	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	0.23	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane	101 %	75-125	"	"	"	"	"
Surrogate: 1,2-Dichloroethane-d4	112 %	75-125	"	"	"	"	"
Surrogate: Toluene-d8	91.7 %	75-125	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene	124 %	75-125	"	"	"	"	"



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Project: LEY051310-L6
 Project Number: 417 W. 164th St. Gardena, CA
 Project Manager: Mr. Spencer Wagner

Reported:
 13-May-10 16:43

DRAFT: Volatile Organic Compounds by EPA Method 8260B Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DRAFT: LECSV-10-S', P32cc (E005052-13) Vapor Sampled: 12-May-10 Received: 13-May-10									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	EE01302	13-May-10	13-May-10	EPA 8260B	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
Freon 113	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	2.0	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane	94.8 %	75-125	"	"	"	"
Surrogate: 1,2-Dichloroethane-d4	111 %	75-125	"	"	"	"
Surrogate: Toluene-d8	101 %	75-125	"	"	"	"
Surrogate: 4-Bromofluorobenzene	96.6 %	75-125	"	"	"	"



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Leymaster Environmental Consulting, LLC 5500 East Atherton St, Suite 210 Long Beach, CA 90815	Project: LEY051310-L6 Project Number: 417 W. 164th St. Gardena, CA Project Manager: Mr. Spencer Wagner	Reported: 13-May-10 16:43
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DRAFT: Volatile Organic Compounds by EPA Method 8260B Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EE01302 - EPA 5030

Blank (EE01302-BLK1)

Prepared & Analyzed: 13-May-10

1,1-Difluoroethane (LCC)	ND	10	ug/l							
Dichlorodifluoromethane	ND	0.50	"							
Vinyl chloride	ND	0.05	"							
Chloroethane	ND	0.50	"							
Trichlorofluoromethane	ND	0.50	"							
1,1-Dichloroethene	ND	0.50	"							
Methylene chloride	ND	0.50	"							
Freon 113	ND	0.50	"							
trans-1,2-Dichloroethene	ND	0.50	"							
1,1-Dichloroethane	ND	0.50	"							
cis-1,2-Dichloroethene	ND	0.50	"							
Chloroform	ND	0.10	"							
1,1,1-Trichloroethane	ND	0.50	"							
Carbon tetrachloride	ND	0.10	"							
1,2-Dichloroethane	ND	0.10	"							
Benzene	ND	0.10	"							
Trichloroethene	ND	0.10	"							
Toluene	ND	1.0	"							
1,1,2-Trichloroethane	ND	0.50	"							
Tetrachloroethene	ND	0.10	"							
Ethylbenzene	ND	0.50	"							
1,1,1,2-Tetrachloroethane	ND	0.50	"							
m,p-Xylene	ND	0.50	"							
o-Xylene	ND	0.50	"							
1,1,2,2-Tetrachloroethane	ND	0.50	"							

Surrogate: Dibromofluoromethane	2.42	"	2.50	96.7	75-125
Surrogate: 1,2-Dichloroethane-d4	2.54	"	2.50	102	75-125
Surrogate: Toluene-d8	2.42	"	2.50	96.8	75-125
Surrogate: 4-Bromofluorobenzene	2.41	"	2.50	96.3	75-125



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Project: LEY051310-L6
Project Number: 417 W. 164th St. Gardena, CA
Project Manager: Mr. Spencer Wagner

Reported:
13-May-10 16:43

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the Environmental Laboratory Accreditation Program (CA) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste for the following methods:

Certificate# 2741, 2743, 2579, 2754 & 2740 approved for EPA 8260 and LUFT GC/MS
Certificate# 2742, 2745, & 2741 approved for LUFT
Certificate# 2745 & 2742 approved for EPA 418.1

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the National Environmental Accreditation Conference Standards for the category Environmental Analysis Air and Emissions for the following analytes and methods:

1,2,4-Trichlorobenzene by EPA TO-15 & TO-14A
Hexachlorobutadiene by EPA TO-15 & TO-14A
1,2,4-Trimethylbenzene by EPA TO -14A
1,2-Dichlorobenzene by EPA TO-15 & TO-14A
1,3,5-Trimethylbenzene by EPA TO -14A
1,4-Dichlorobenzene by EPA TO-15 & TO-14A
Benzene by EPA TO-15 & TO-14A
Chlorobenzene by EPA TO-15 & TO-14A
Ethyl benzene by EPA TO-15 & TO-14A
Styrene by EPA TO-15 & TO-14A
Toluene by EPA TO-15 & TO-14A
Total Xylenes by EPA TO-15 & TO-14A
1,1,1-Trichloroethane by EPA TO-15 & TO-14A
1,1,2,2-Tetrachloroethane by EPA TO-15 & TO-14A
1,1,2-Trichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethene by EPA TO-15 & TO-14A
1,2-Dichloroethane by EPA TO-15 & TO-14A
1,2-Dichloropropane by EPA TO-15 & TO-14A
Bromofom by EPA TO-15
Bromomethane by EPA TO-15 & TO-14A
Carbon tetrachloride by EPA TO-15 & TO-14A
Chloroethane by EPA TO-15
Chloroform by EPA TO-15 & TO-14A
Chloromethane by EPA TO-15 & TO-14A
cis-1,2-Dichloroethene by EPA TO-15
cis-1,2-Dichloropropene by EPA TO-15 & TO-14A
Methylene chloride by EPA TO -15 & TO-14A
Tetrachloroethane by EPA TO-15 & TO-14A
trans-1,2-Dichloroethene by EPA TO-15
trans-1,2-Dichloropropene by EPA TO-15 & TO-14A
Trichloroethene by EPA TO-15 & TO-14A
Vinyl chloride by EPA TO -15 & TO-14A
2-Butanone by EPA TO-15
4-Methyl-2-Pentanone by EPA TO-15
Hexane by EPA TO-15
Methyl tert-butyl ether by EPA TO-15
Vinyl acetate by EPA TO-15

This certification applies to samples analyzed in summa canisters.

ATTACHMENT II

SOIL PARAMETERS ANALYTICAL REPORT

PHYSICAL PROPERTIES DATA - VAPOR TRANSPORT PACKAGE

PROJECT NAME: ANCO
 PROJECT NO: N/A

METHODOLOGY: API RP40/ASTM D2216 API RP40 API RP40 API RP40 Mod. ASTM D425 API RP40 WALKLEY-BLACK

SAMPLE ID.	DEPTH, ft.	SAMPLE ORIENTATION (1)	MOISTURE CONTENT, % weight		DENSITY		TOTAL, cm ³ /cm ³		POROSITY (2)		EFFECTIVE, cm ³ /cm ³	TOTAL PORE FLUID (3) SATURATIONS, % Pv	TOTAL ORGANIC CARBON, mg/kg	FRACTION ORGANIC CARBON, g/g
			cm ³ /cm ³	cm ³ /cm ³	DRY BULK, g/cm ³	GRAIN, g/cm ³	AIR FILLED, cm ³ /cm ³	WATER FILLED, cm ³ /cm ³						
DP5-5	5	V	14.0	0.262	1.88	2.66	0.296	0.034	0.262	0.088	88.6	2350	2.35E-03	
DP5-10	10	V	13.8	0.227	1.64	2.69	0.389	0.162	0.227	0.252	58.4	<100	<1.00E-04	

(1) Sample Orientation: H = horizontal; V = vertical
 (2) Total Porosity = no pore fluids in place; all interconnected pore channels; Air Filled = pore channels not occupied by pore fluids, native sample; Effective = drainage porosity
 (3) Water = 0.9996 g/cc; Pv = Pore Volume; ND = Not Detected

PTS File No: 39690
 Client: Leymaster Environmental

PERMEABILITY DATA - VAPOR TRANSPORT PACKAGE

PROJECT NAME: ANCO
 PROJECT NO: N/A

METHODOLOGY: API RP40 API RP40 / EPA 9100

SAMPLE ID.	DEPTH, ft.	SAMPLE ORIENTATION (1)	25 PSI CONFINING PRESSURE		25 PSI CONFINING PRESSURE		
			EFFECTIVE PERMEABILITY TO AIR (2), millidarcy	SPECIFIC PERMEABILITY TO AIR (3), millidarcy	SPECIFIC PERMEABILITY TO WATER (4), millidarcy	HYDRAULIC CONDUCTIVITY (4), cm/s	INTRINSIC PERMEABILITY TO WATER (4), cm ²
DP5-5	5	V	0.81	161	0.95	9.10E-07	9.42E-12
DP5-10	10	V	248	543	20.6	1.96E-05	2.03E-10

- (1) Sample Orientation: H = horizontal, V = vertical, R = remold
- (2) Native State = As received with pore fluids in place
- (3) Specific = without moisture
- (4) Permeability to water and conductivity measured at saturated conditions

PARTICLE SIZE SUMMARY
(METHODODOLOGY: ASTM D422/D4464M)

PROJECT NAME: ANCO
PROJECT NO: N/A

Sample ID	Depth, ft.	Mean Grain Size Description (1)	Median Grain Size mm	Particle Size Distribution, wt. percent					Silt & Clay
				Gravel	Sand Size		Silt		
				Coarse	Medium	Fine	Silt	Clay	
DP5-5	5	Silt	0.032	0.00	5.12	28.00	43.38	23.50	66.88
DP5-10	10	Silt	0.046	0.00	1.33	33.25	52.74	12.69	65.42

(1) Based on Mean from Trask

SOIL CLASSIFICATION DATA - VAPOR TRANSPORT PACKAGE

PROJECT NAME: ANCO
 PROJECT NO: N/A

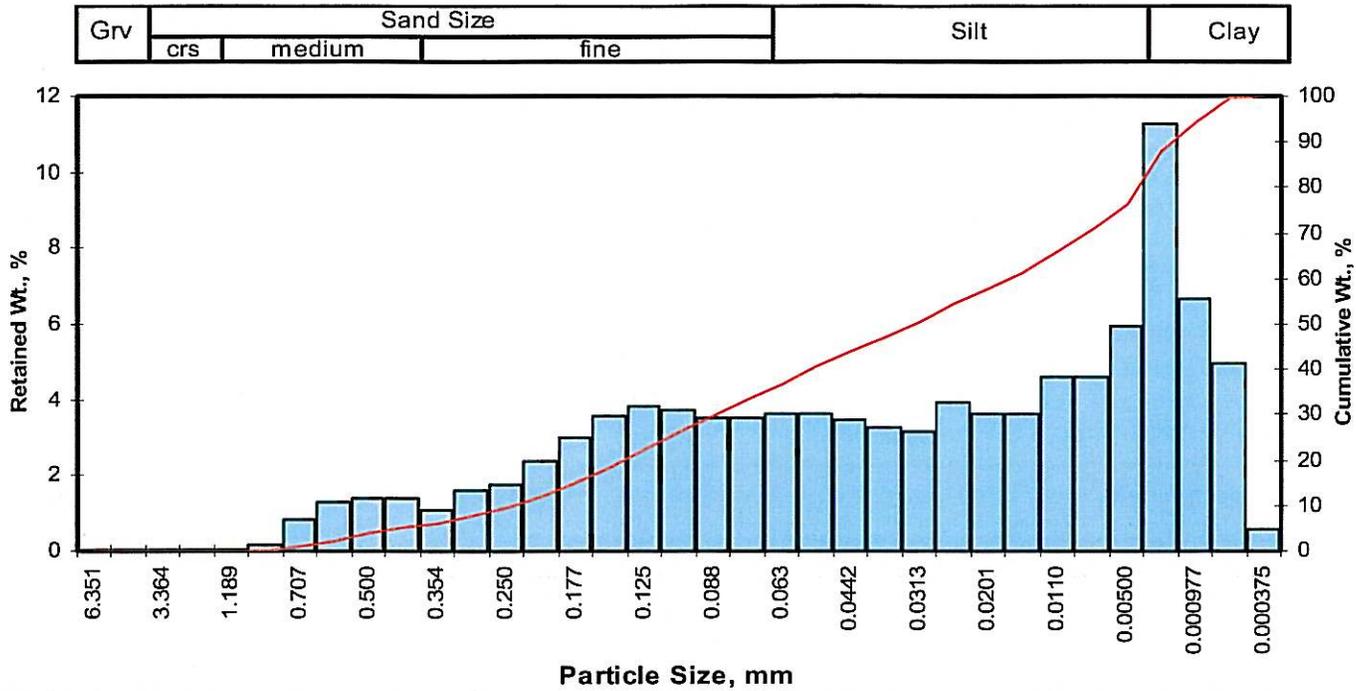
SAMPLE ID.	DEPTH, ft.	METHODS:			ASTM D4318		ASTM D4318		ASTM D2487		USDA	
		LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	USCS / PLASTICITY CHART SYMBOL (Fines: <#40 Sieve)	USCS CLASSIFICATION, Group Symbol: Name	USDA SOIL TEXTURE SCHEME					
DP5-5	5	45.1	15.2	29.9	CL	CL	CL: Sandy lean clay	Loam				
DP5-10	10	23.7	16.9	6.8	CL-ML	CL-ML	CL-ML: Sandy silty clay	Silt loam				

USCS: Unified Soil Classification System
 USDA: US Department of Agriculture
 SCS: Soil Conservation Service

(1) Silt assumed as fine fraction for NON-PLASTIC (NP) samples. (2) Sand considered to be >No. 200 sieve for USDA SOIL TEXTURE SCHEME.

Client: Leymaster Environmental
 Project: ANCO
 Project No: N/A

PTS File No: 39690
 Sample ID: DP5-5
 Depth, ft: 5



Opening		Phi of Screen	U.S. No.	Sample Weight, grams	Increment Weight, percent	Cumulative Weight, percent
Inches	Millimeters					
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.17	0.17	0.17
0.0278	0.707	0.50	25	0.85	0.85	1.02
0.0234	0.595	0.75	30	1.31	1.31	2.33
0.0197	0.500	1.00	35	1.40	1.40	3.73
0.0166	0.420	1.25	40	1.39	1.39	5.12
0.0139	0.354	1.50	45	1.08	1.08	6.20
0.0117	0.297	1.75	50	1.59	1.59	7.79
0.0098	0.250	2.00	60	1.78	1.78	9.57
0.0083	0.210	2.25	70	2.39	2.39	11.96
0.0070	0.177	2.50	80	3.01	3.01	14.97
0.0059	0.149	2.75	100	3.59	3.59	18.56
0.0049	0.125	3.00	120	3.85	3.85	22.41
0.0041	0.105	3.25	140	3.72	3.72	26.12
0.0035	0.088	3.50	170	3.50	3.50	29.62
0.0029	0.074	3.75	200	3.50	3.50	33.12
0.0025	0.063	4.00	230	3.64	3.64	36.76
0.0021	0.053	4.25	270	3.62	3.62	40.38
0.00174	0.0442	4.50	325	3.45	3.45	43.83
0.00146	0.0372	4.75	400	3.26	3.26	47.09
0.00123	0.0313	5.00	450	3.17	3.17	50.26
0.000986	0.0250	5.32	500	3.91	3.91	54.17
0.000790	0.0201	5.64	635	3.62	3.62	57.79
0.000615	0.0156	6.00		3.60	3.60	61.39
0.000435	0.0110	6.50		4.60	4.60	65.99
0.000308	0.00781	7.00		4.58	4.58	70.57
0.000197	0.00500	7.65		5.94	5.94	76.50
0.000077	0.00195	9.00		11.30	11.30	87.80
0.000038	0.000977	10.00		6.67	6.67	94.47
0.000019	0.000488	11.00		4.95	4.95	99.42
0.000015	0.000375	11.38		0.58	0.58	100.00
TOTALS				100.00	100.00	100.00

Cumulative Weight Percent greater than			
Weight percent	Phi Value	Particle Size	
		Inches	Millimeters
5	1.23	0.0168	0.427
10	2.05	0.0095	0.242
16	2.57	0.0066	0.168
25	3.17	0.0044	0.111
40	4.22	0.0021	0.054
50	4.98	0.0012	0.032
60	5.86	0.0007	0.017
75	7.48	0.0002	0.006
84	8.54	0.0001	0.003
90	9.33	0.0001	0.002
95	10.11	0.0000	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	4.98	4.98	4.98
Median, in.	0.0012	0.0012	0.0012
Median, mm	0.032	0.032	0.032
Mean, phi	4.10	5.56	5.37
Mean, in.	0.0023	0.0008	0.0010
Mean, mm	0.058	0.021	0.024
Sorting	4.449	2.986	2.838
Skewness	0.785	0.194	0.174
Kurtosis	0.218	0.487	0.845

Grain Size Description: Silt
 (ASTM-USCS Scale) (based on Mean from Trask)

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	5.12
Fine Sand	200	28.00
Silt	>0.005 mm	43.38
Clay	<0.005 mm	23.50
Total		100

ATTACHMENT III

J&E MODEL OUTPUTS

DATA ENTRY SHEET

SG-SCREEN
PA Version 2.0; 04/

Reset to Defaults

DTSC
Vapor Intrusion Guidance
Interim Final 12/04
(last modified 2/4/09)

Soil Gas Concentration Data	
ENTER Chemical CAS No. (numbers only, no dashes) 127184	ENTER Soil gas conc., C_q ($\mu\text{g}/\text{m}^3$) 5.80E+03
OR	ENTER Soil gas conc., C_q (ppmv)
Chemical Tetrachloroethylene	

ENTER Depth below grade to bottom of enclosed space floor, L_f (15 or 200 cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_s ($^{\circ}\text{C}$)
15	152	20
ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)		ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
		1.59E-09

ENTER Vadose zone SCS soil type Lookup Soil Parameters	ENTER Vadose zone soil dry bulk density, ρ_b (g/cm^3)	ENTER Vadose zone soil total porosity, n^v (unitless)
SIC	1.88	0.296
		0.262
		ENTER Vadose zone soil water-filled porosity, θ_w^v (cm^3/cm^3)
		ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
		5

ENTER Averaging time for carcinogens, AT_c (yrs)	ENTER Averaging time for noncarcinogens, AT_{nc} (yrs)	ENTER Exposure duration, ED (yrs)
70	30	30
		ENTER Exposure frequency, EF (days/yr)
		350

MORE
↓

MORE
↓

MORE
↓

END

RESULTS SHEET

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
--	--

3.8E-08	4.3E-04
---------	---------

MESSAGE SUMMARY BELOW:

END

Reset to Defaults

DATA ENTRY SHEET

DTSC
Vapor Intrusion Guidance
Interim Final 12/04
(last modified 2/4/09)

Soil Gas Concentration Data	
ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_a ($\mu\text{g}/\text{m}^3$)
OR	ENTER Soil gas conc., C_a (ppmv)
79016	1.40E+02
Chemical Trichloroethylene	

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_s ($^{\circ}\text{C}$)
15	152	20
ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
		1.59E-09

MORE ↓

ENTER Vadose zone SCS soil type	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)
	1.88	0.296
ENTER Vadose zone SCS soil type	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)	ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
	0.262	5

MORE ↓

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)
70	30	30
ENTER Exposure frequency, EF (days/yr)	ENTER Exposure frequency, EF (days/yr)	ENTER Exposure frequency, EF (days/yr)
350	350	350

MORE ↓

END

RESULTS SHEET

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
--	--

3.8E-10	7.3E-07
---------	---------

MESSAGE SUMMARY BELOW:

END

DATA ENTRY SHEET

DTSC
Vapor Intrusion Guidance
Interim Final 12/04
(last modified 2/4/09)

SG-SCREEN
PA Version 2.0: 04/

Reset to Defaults

Soil Gas Concentration Data	
ENTER Chemical CAS No. (numbers only, no dashes) 127184	ENTER Soil gas conc., C_a ($\mu\text{g}/\text{m}^3$) 1.70E+04
OR	ENTER Soil gas conc., C_a (ppmv)
Chemical Tetrachloroethylene	

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_s ($^{\circ}\text{C}$)
15	152	20
ENTER Vadose zone soil type (used to estimate soil vapor permeability)		ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
		1.59E-09

ENTER Vadose zone soil type <small>Lookup Soil Parameters</small>	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)
SIC	1.88	0.296
		0.262
		ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
		5

ENTER Averaging time for carcinogens, AT_c (yrs)	ENTER Averaging time for noncarcinogens, AT_{nc} (yrs)	ENTER Exposure duration, ED (yrs)
70	25	25
		250
		ENTER Exposure frequency, EF (days/yr)

MORE
↓

MORE
↓

MORE
↓

END

RESULTS SHEET

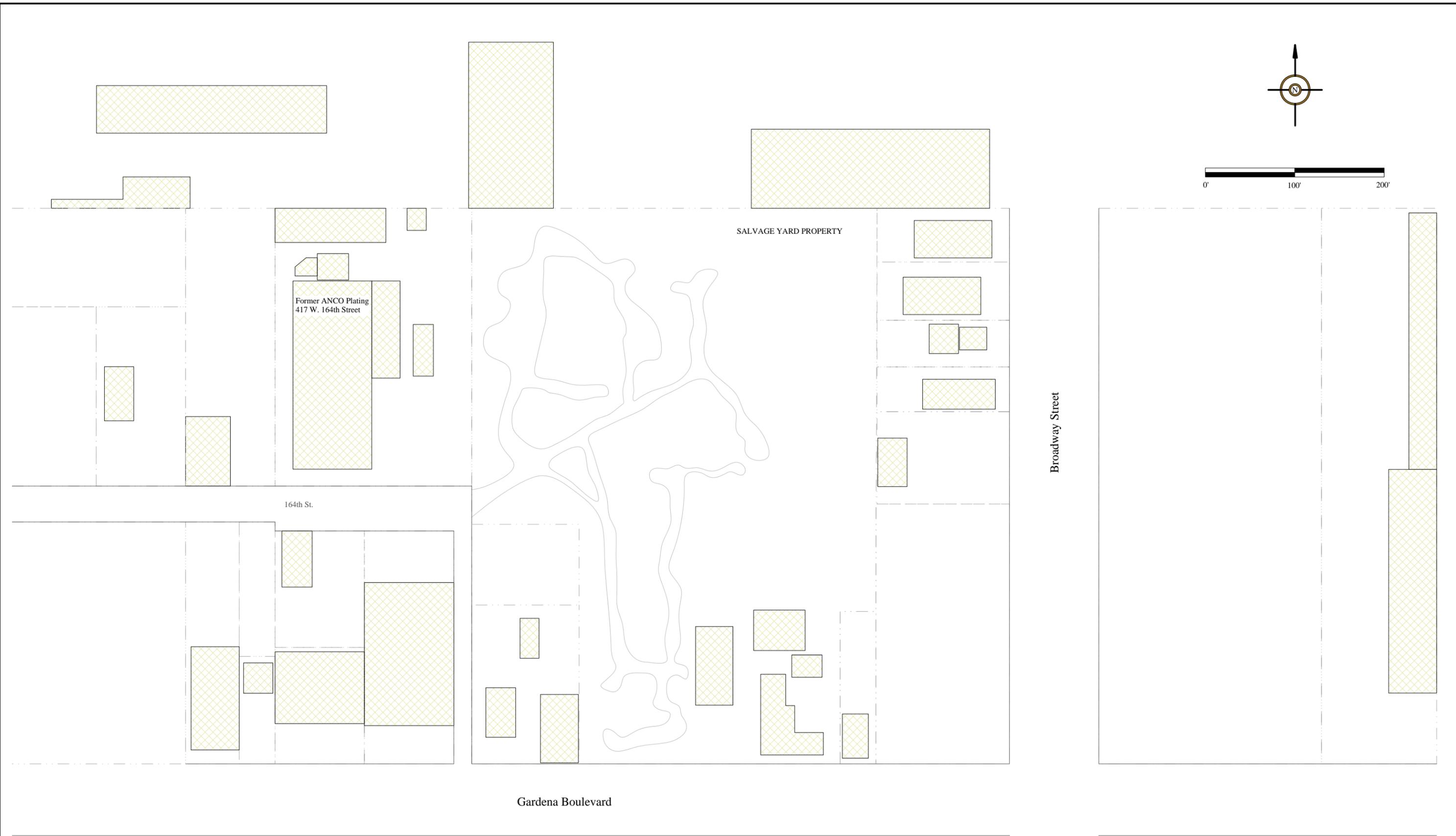
INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
--	--

6.6E-08	8.9E-04
---------	---------

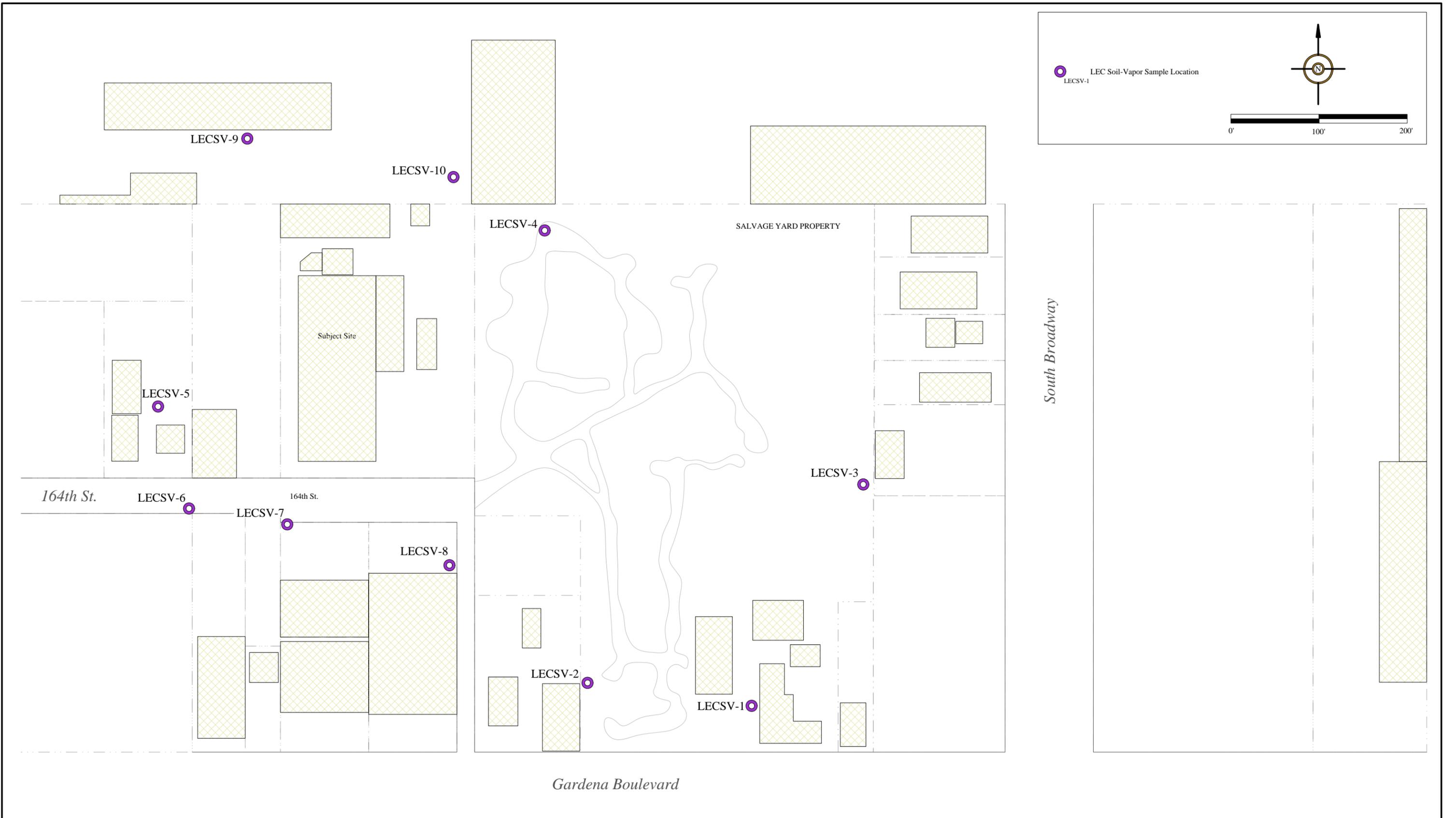
MESSAGE SUMMARY BELOW:

END



LOCAL AREA MAP
 Former ANCO Plating
 417 W. 164th Street
 Gardena, California 90248

FIGURE 1
Leymaster Environmental Consulting
 5500 E. Atherton Street, Suite 200
 Long Beach, California 90815

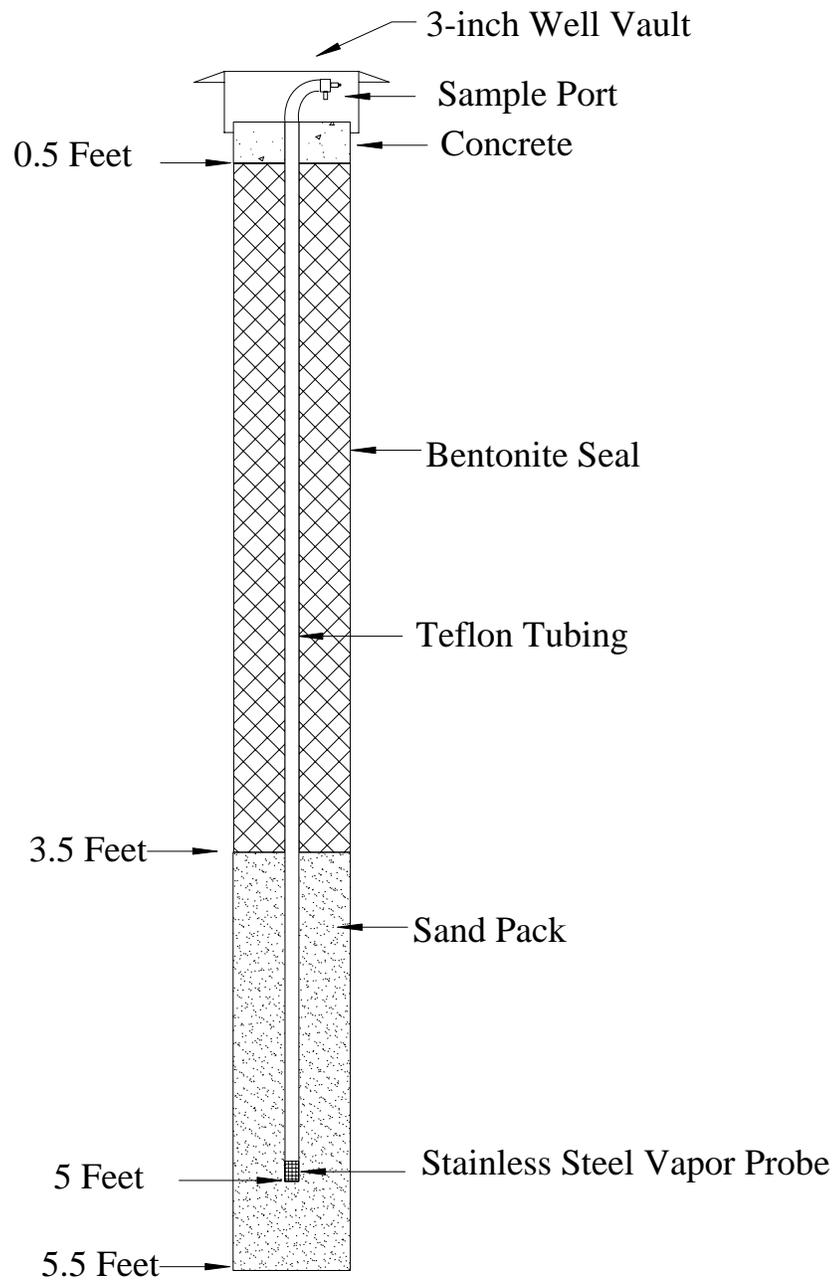


Soil-Vapor Probe Locations

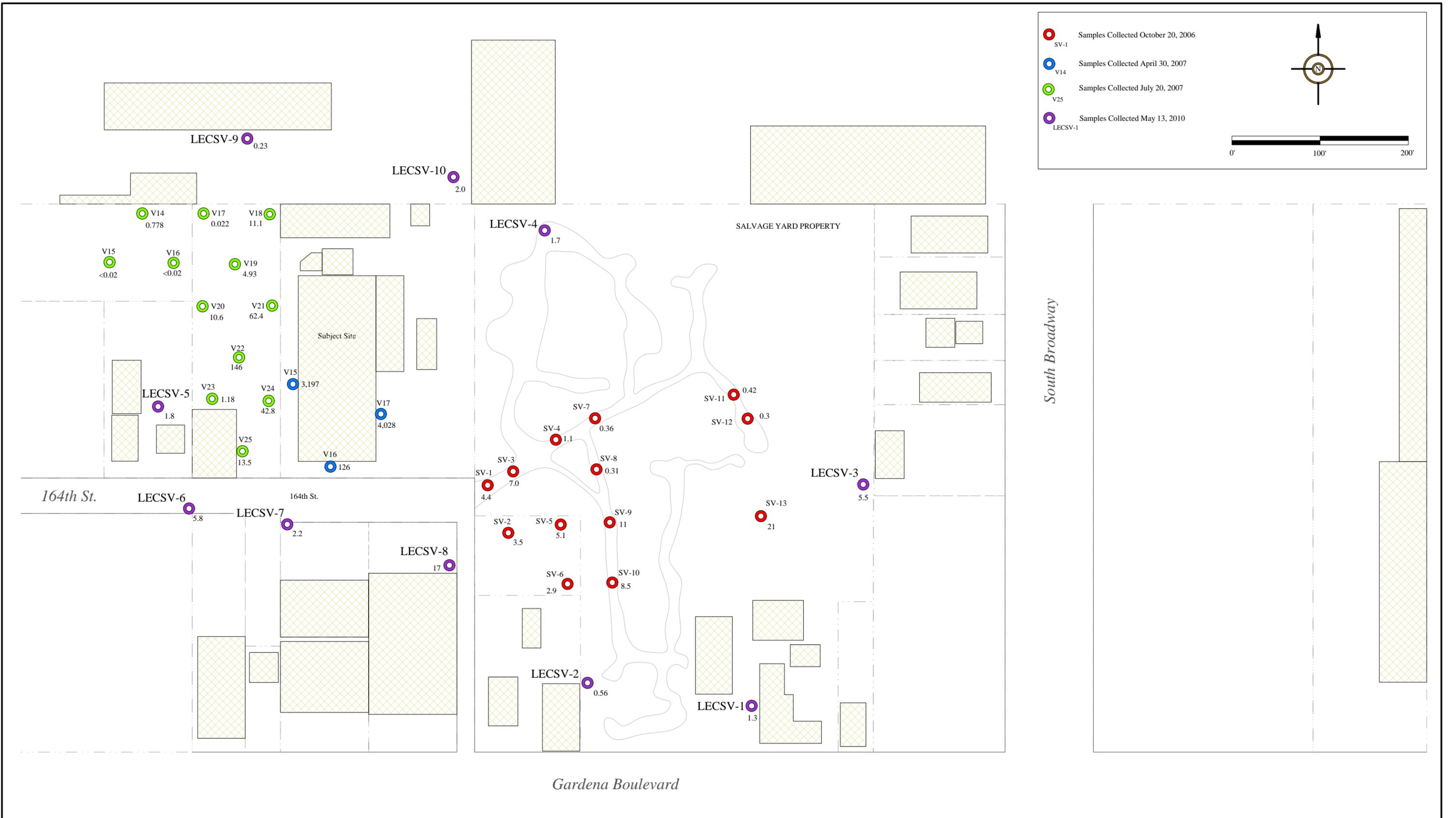
Former ANCO Plating Facility
 417 W. 164th Street
 Gardena, California 90248

FIGURE 2

Leymaster Environmental Consulting
 5500 E. Atherton Street, Suite 210
 Long Beach, California 90815



<p>Leymaster Environmental Consulting, LLC</p>	<p>Figure 3 - Vapor Probe Design</p>
<p>5500 E. Atherton St., Suite 210 Long Beach, CA 90815</p>	<p>Former ANCO Facility 417 W. 164th Street Gardena, California</p>



**LEC Soil-Vapor Probe Locations
with Soil-Vapor PCE Analytical**

Former ANCO Plating Facility
417 W. 164th Street
Gardena, California 90248

* Results presented in micrograms per liter

FIGURE 4

Leymaster Environmental Consulting
5500 E. Atherton Street, Suite 210
Long Beach, California 90815

317 TO 353 WEST GARDENA BOULEVARD, CARSON, CALIFORNIA

Appendix F Historical Records
July 1, 2019

Appendix F HISTORICAL RECORDS





333 West Gardena

333 West Gardena

Gardena, CA 90248

Inquiry Number: 5563391.3

February 14, 2019

Certified Sanborn® Map Report



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

Certified Sanborn® Map Report

02/14/19

Site Name:

333 West Gardena
333 West Gardena
Gardena, CA 90248
EDR Inquiry # 5563391.3

Client Name:

Stantec
735 E. Carnegie Drive, Suite 280
SAN BERNARDINO, CA 92408
Contact: Alicia Jansen



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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 0240-4DA8-9697

PO # NA

Project NA

UNMAPPED PROPERTY

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Sanborn® Library search results

Certification #: 0240-4DA8-9697

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- Library of Congress
- University Publications of America
- EDR Private Collection

The Sanborn Library LLC Since 1866™

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333 West Gardena

333 West Gardena

Gardena, CA 90248

Inquiry Number: 5563391.4

February 14, 2019

EDR Historical Topo Map Report

with QuadMatch™



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

EDR Historical Topo Map Report

02/14/19

Site Name:

333 West Gardena
333 West Gardena
Gardena, CA 90248
EDR Inquiry # 5563391.4

Client Name:

Stantec
735 E. Carnegie Drive, Suite 280
SAN BERNARDINO, CA 92408
Contact: Alicia Jansen



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Search Results:

Coordinates:

P.O.# NA
Project: NA

Latitude: 33.882285 33° 52' 56" North
Longitude: -118.278979 -118° 16' 44" West
UTM Zone: Zone 11 North
UTM X Meters: 381722.64
UTM Y Meters: 3749840.12
Elevation: 43.00' above sea level

Maps Provided:

2012	1924
1981	1896
1972	
1964	
1952	
1951	
1948	
1930, 1934	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



Inglewood
2012
7.5-minute, 24000



Torrance
2012
7.5-minute, 24000

1981 Source Sheets



Torrance
1981
7.5-minute, 24000
Aerial Photo Revised 1978

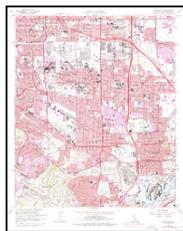


Inglewood
1981
7.5-minute, 24000
Aerial Photo Revised 1978

1972 Source Sheets



Inglewood
1972
7.5-minute, 24000
Aerial Photo Revised 1972

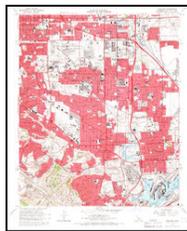


Torrance
1972
7.5-minute, 24000
Aerial Photo Revised 1972

1964 Source Sheets



Inglewood
1964
7.5-minute, 24000
Aerial Photo Revised 1963



Torrance
1964
7.5-minute, 24000
Aerial Photo Revised 1963

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1952 Source Sheets



Inglewood
1952
7.5-minute, 24000
Aerial Photo Revised 1947

1951 Source Sheets



Torrance
1951
7.5-minute, 24000
Aerial Photo Revised 1947

1948 Source Sheets



REDONDO
1948
15-minute, 50000

1930, 1934 Source Sheets



Inglewood
1930
7.5-minute, 24000



Compton
1930
7.5-minute, 24000



Torrance
1934
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1924 Source Sheets



Watts
1924
7.5-minute, 24000



Torrance
1924
7.5-minute, 24000



Compton
1924
7.5-minute, 24000

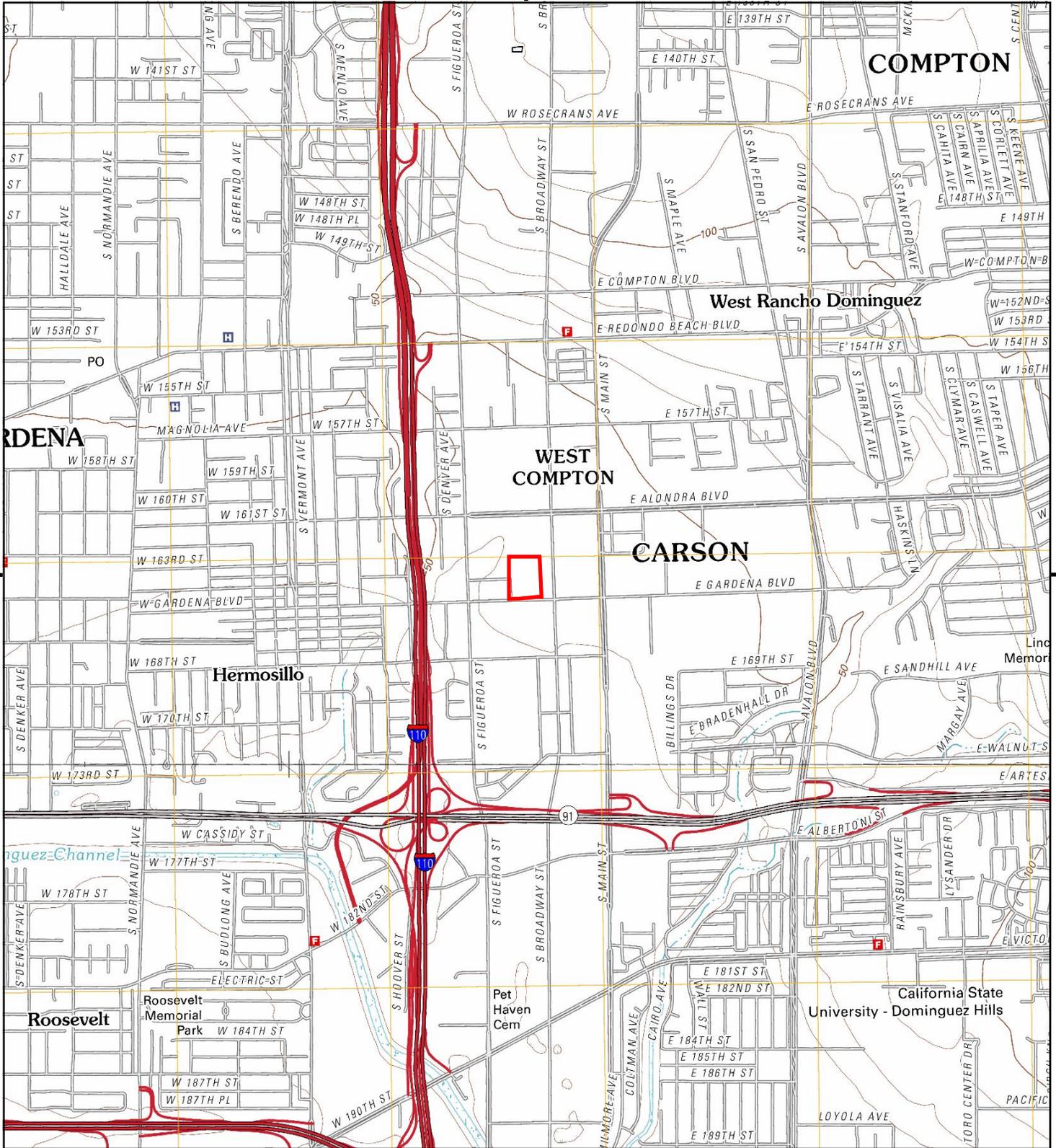


Inglewood
1924
7.5-minute, 24000

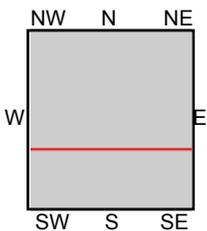
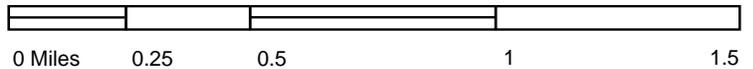
1896 Source Sheets



Redondo
1896
15-minute, 62500



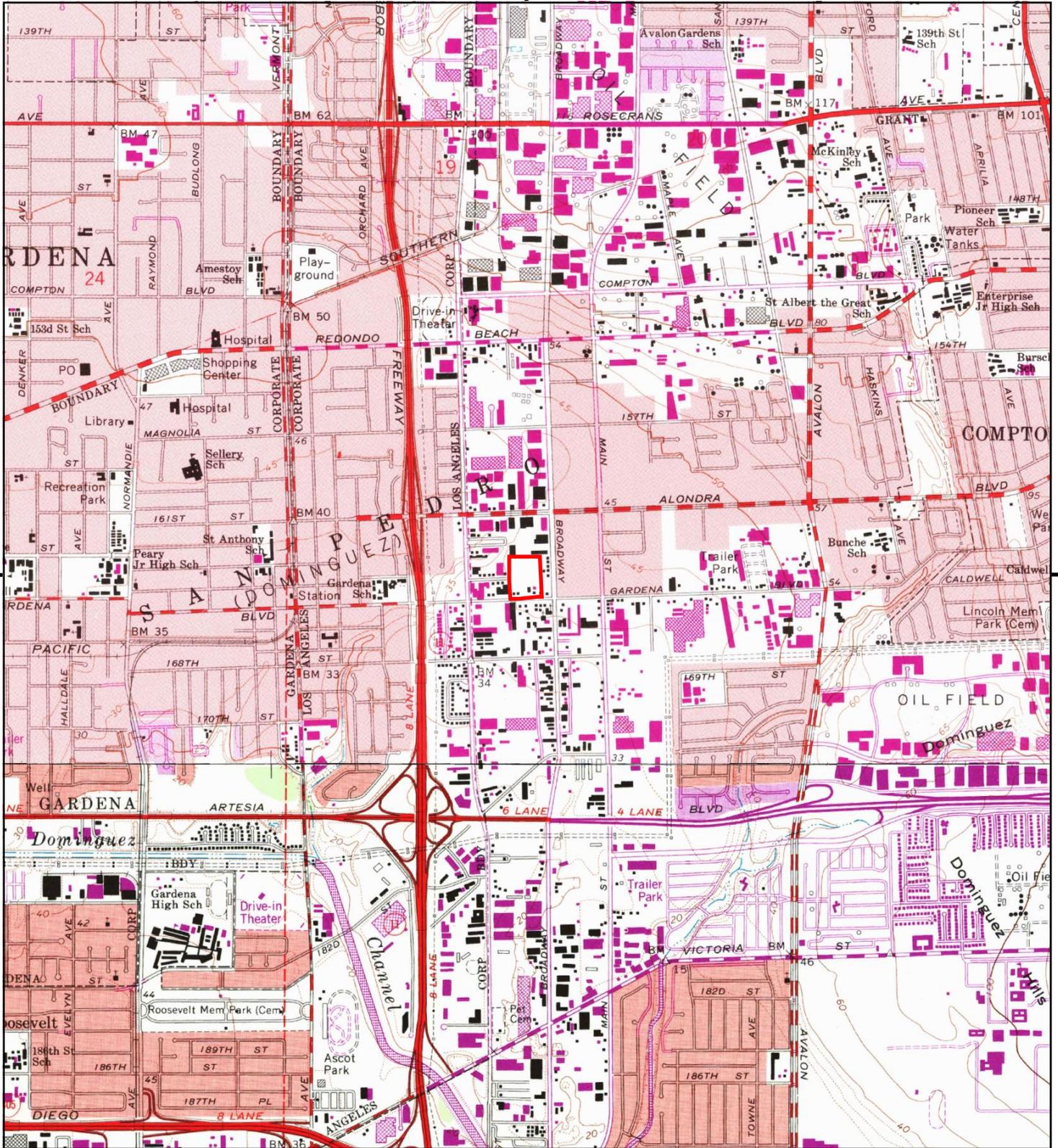
This report includes information from the following map sheet(s).



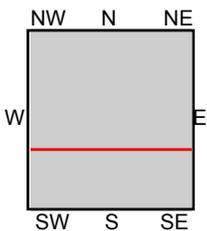
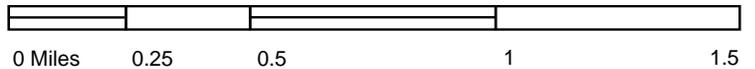
TP, Inglewood, 2012, 7.5-minute
S, Torrance, 2012, 7.5-minute

SITE NAME: 333 West Gardena
ADDRESS: 333 West Gardena
Gardena, CA 90248
CLIENT: Stantec





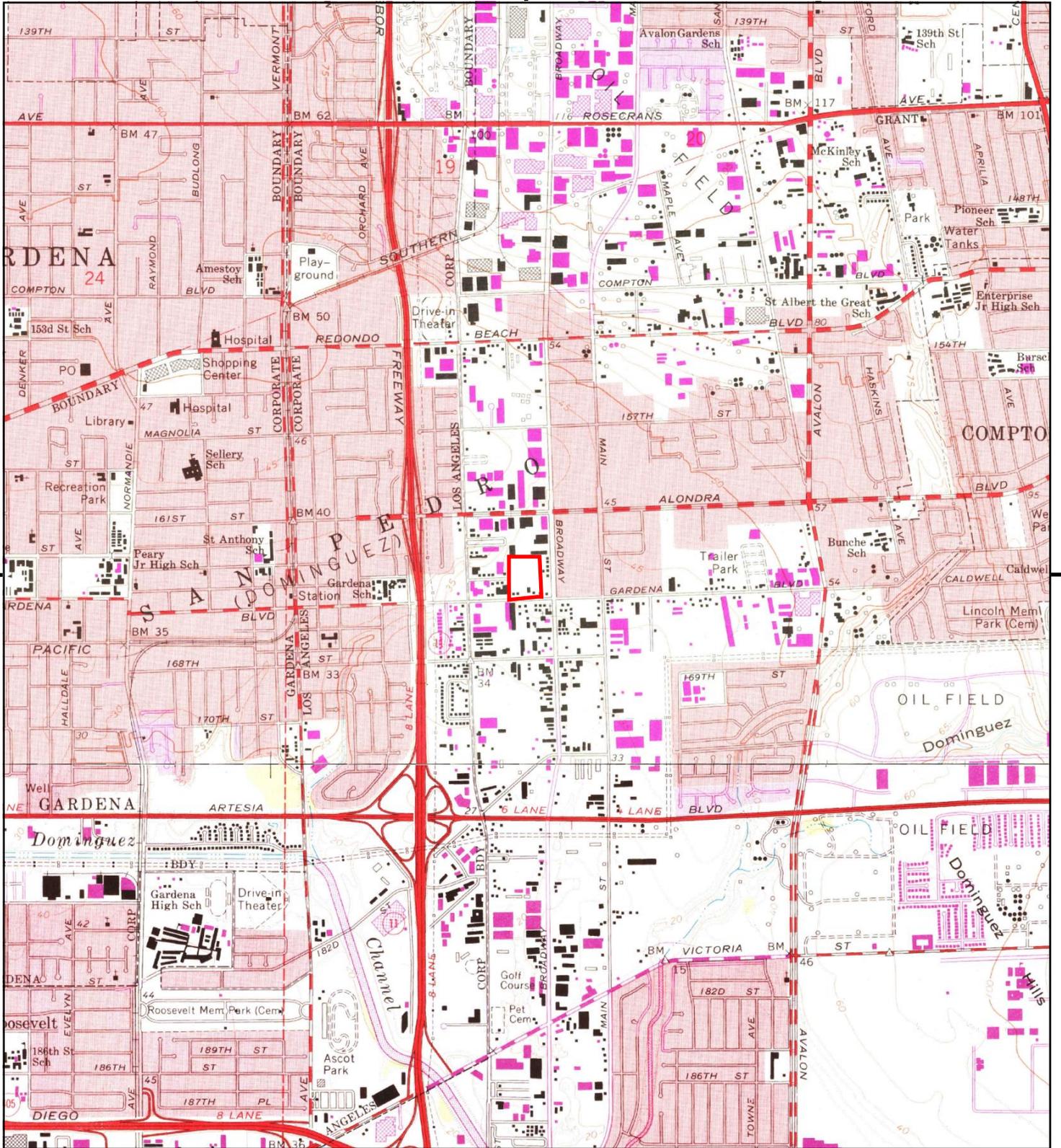
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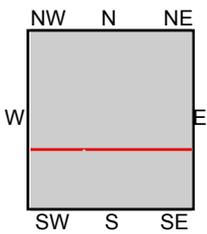
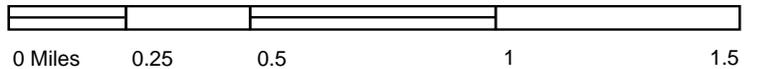
TP, Inglewood, 1981, 7.5-minute
S, Torrance, 1981, 7.5-minute

SITE NAME: 333 West Gardena
ADDRESS: 333 West Gardena
Gardena, CA 90248
CLIENT: Stantec





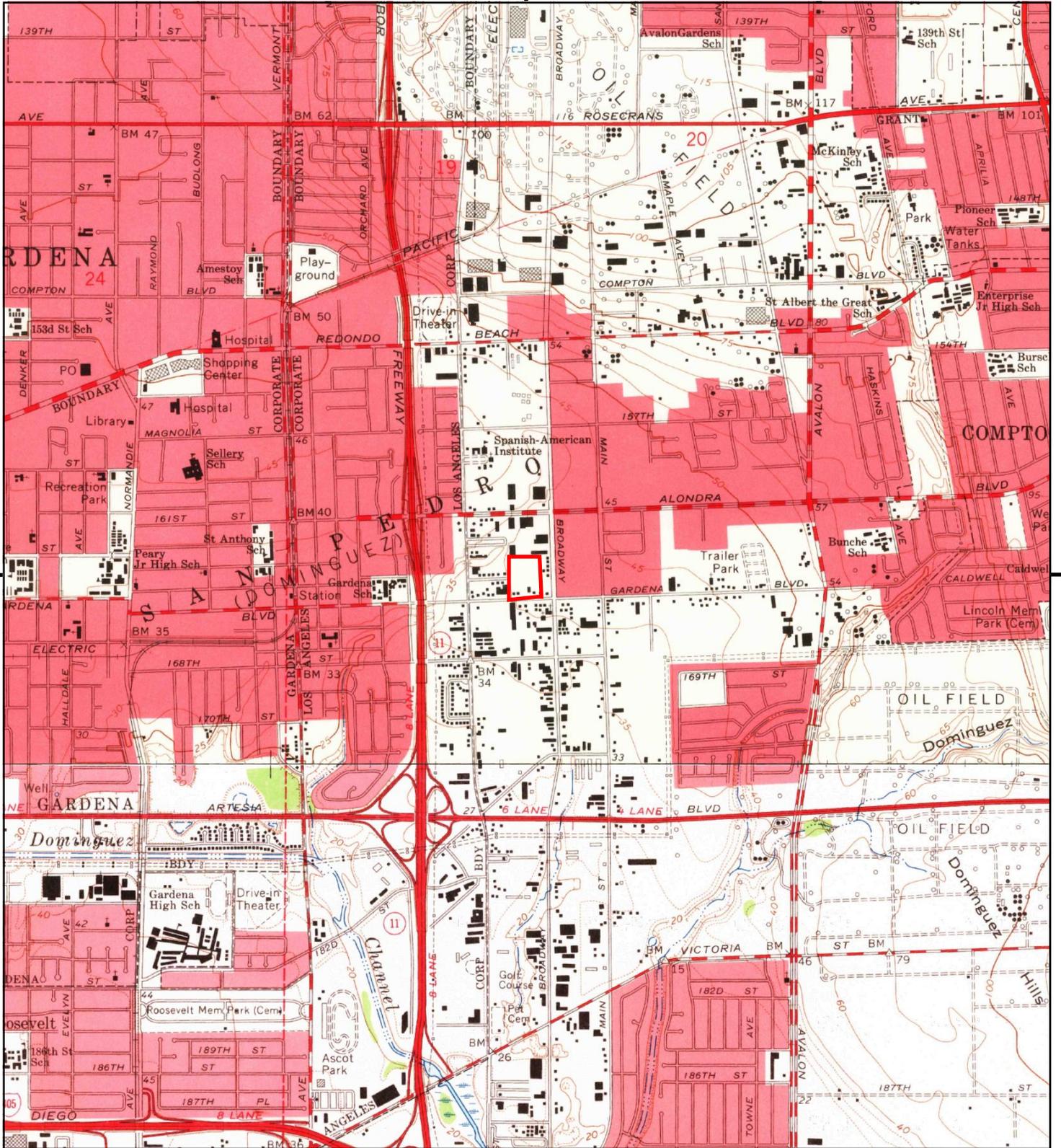
This report includes information from the following map sheet(s).



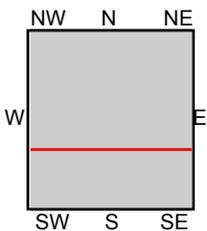
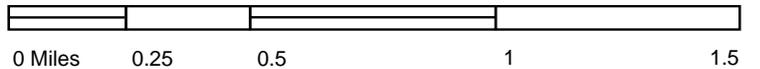
TP, Inglewood, 1972, 7.5-minute
S, Torrance, 1972, 7.5-minute

SITE NAME: 333 West Gardena
ADDRESS: 333 West Gardena
Gardena, CA 90248
CLIENT: Stantec





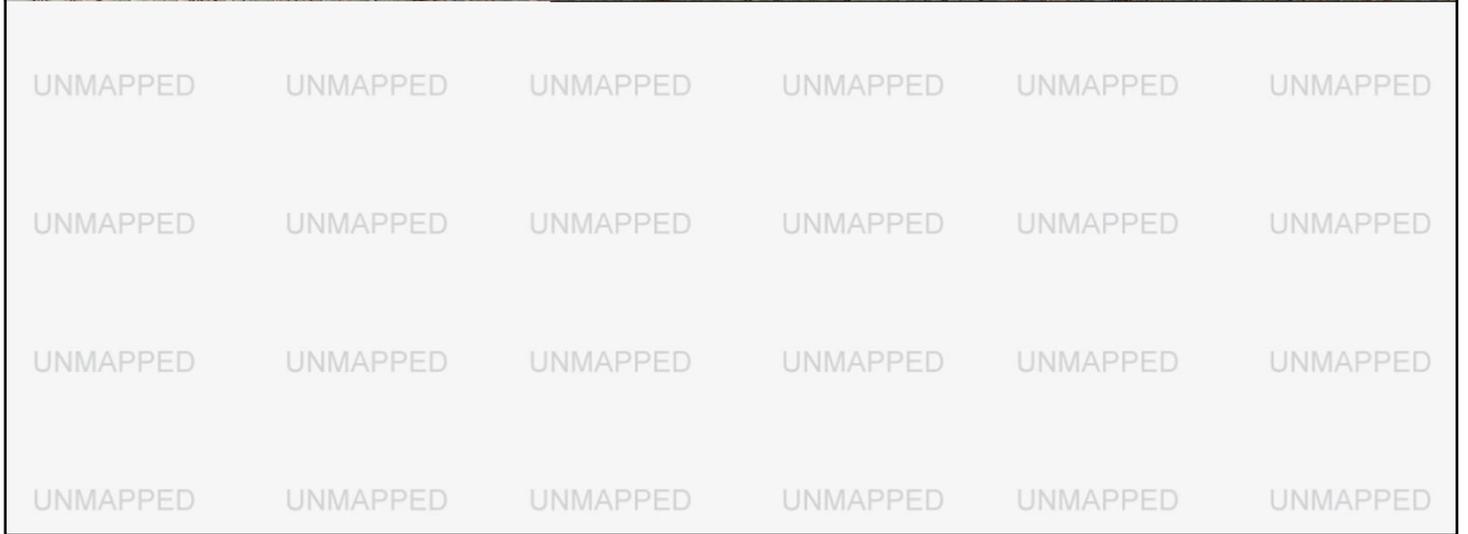
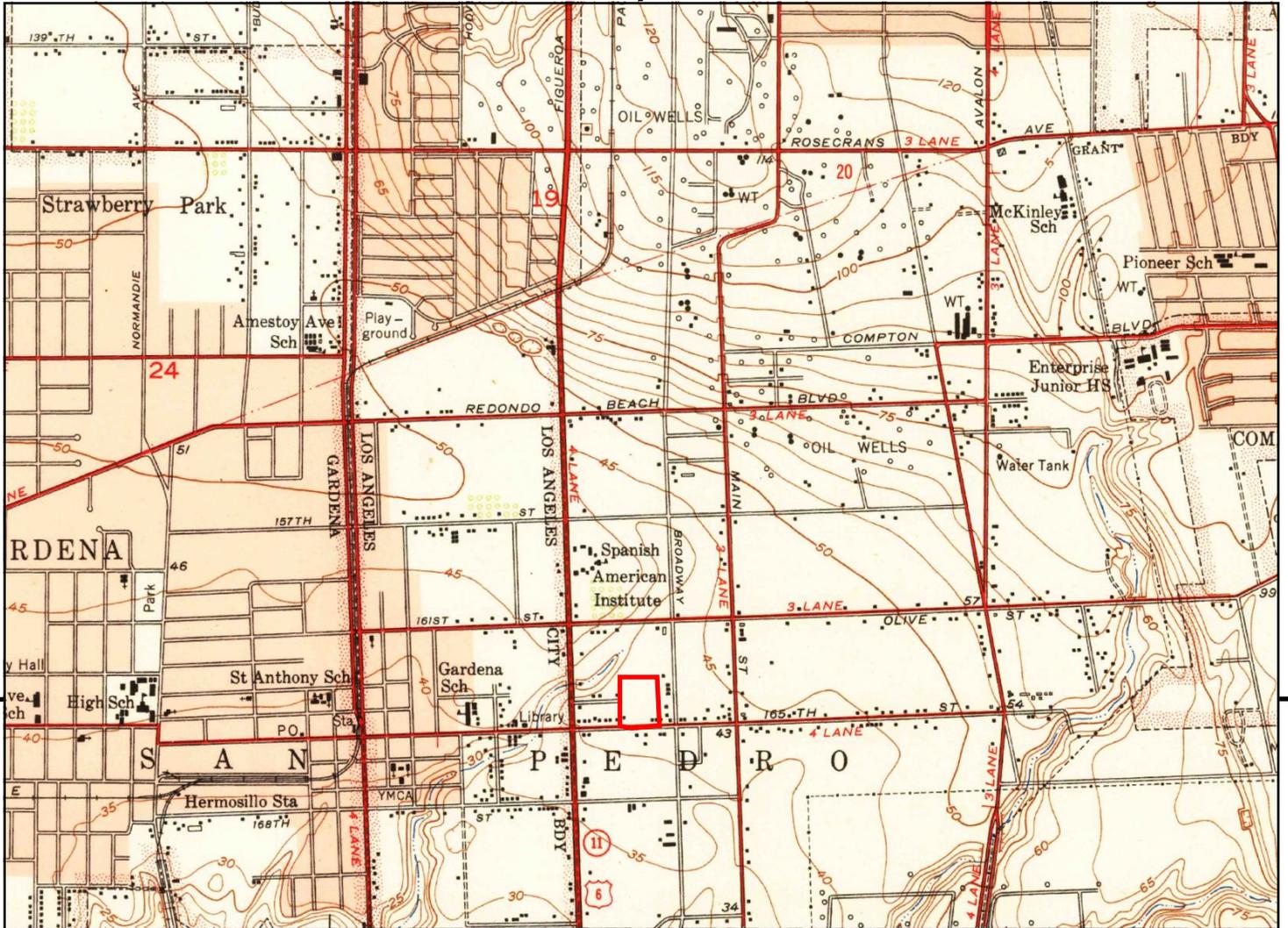
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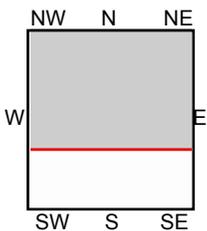
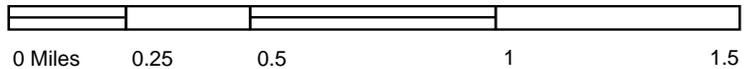
TP, Inglewood, 1964, 7.5-minute
S, Torrance, 1964, 7.5-minute

SITE NAME: 333 West Gardena
ADDRESS: 333 West Gardena
Gardena, CA 90248
CLIENT: Stantec





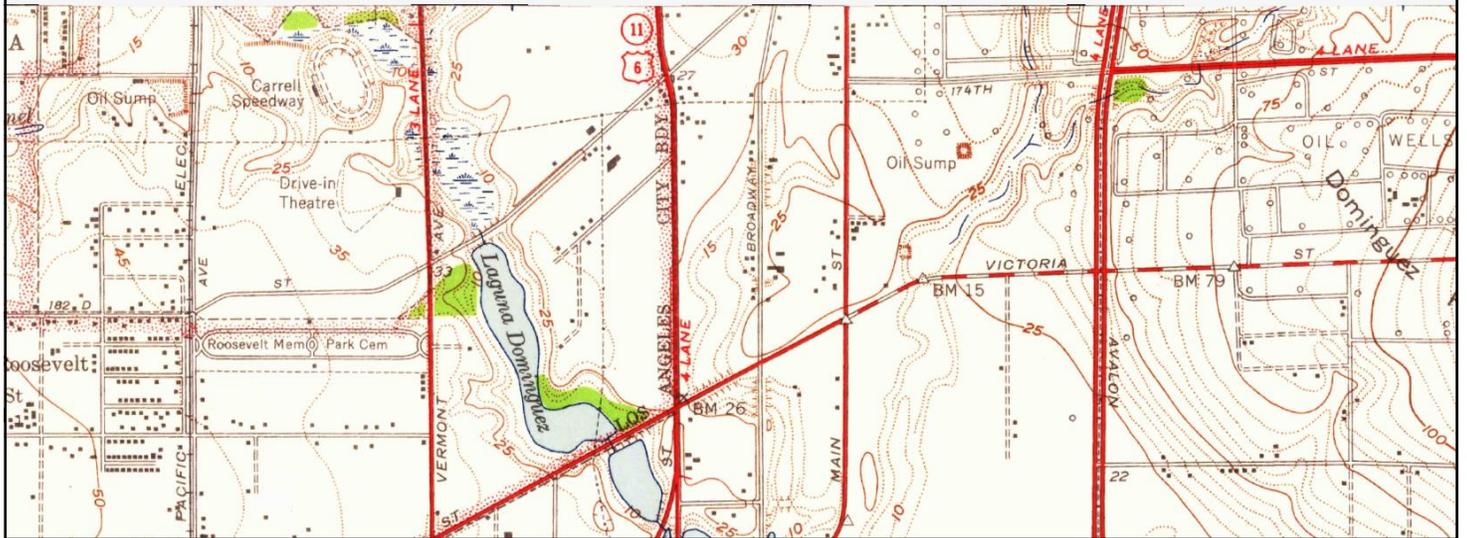
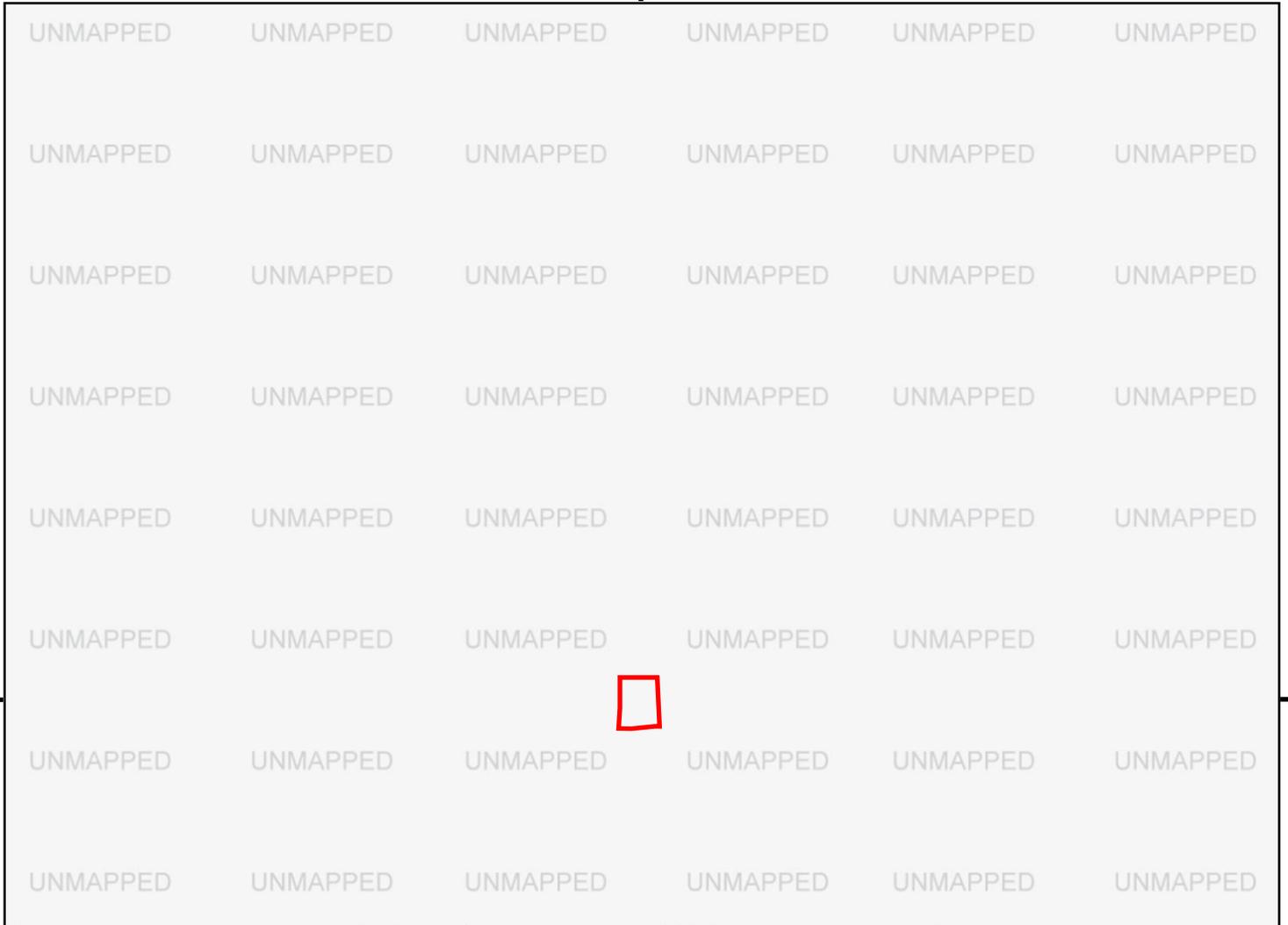
This report includes information from the following map sheet(s).



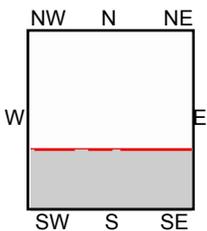
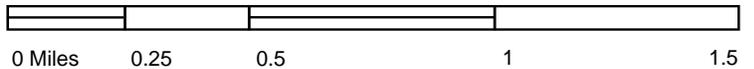
TP, Inglewood, 1952, 7.5-minute

SITE NAME: 333 West Gardena
 ADDRESS: 333 West Gardena
 Gardena, CA 90248
 CLIENT: Stantec





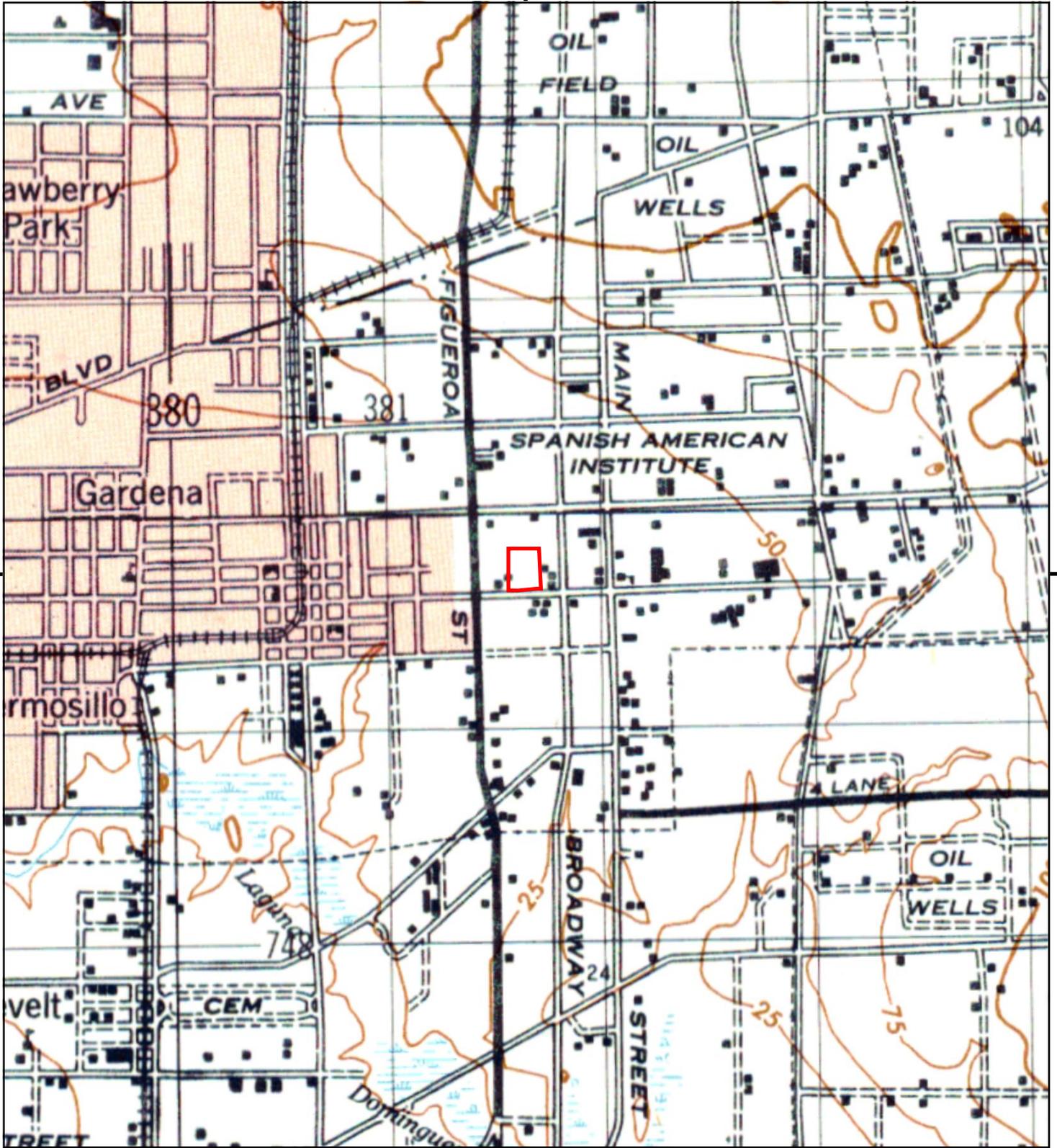
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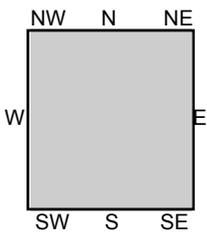
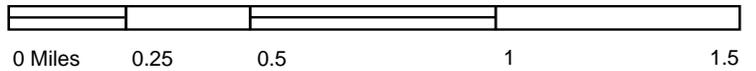
S, Torrance, 1951, 7.5-minute

SITE NAME: 333 West Gardena
 ADDRESS: 333 West Gardena
 Gardena, CA 90248
 CLIENT: Stantec





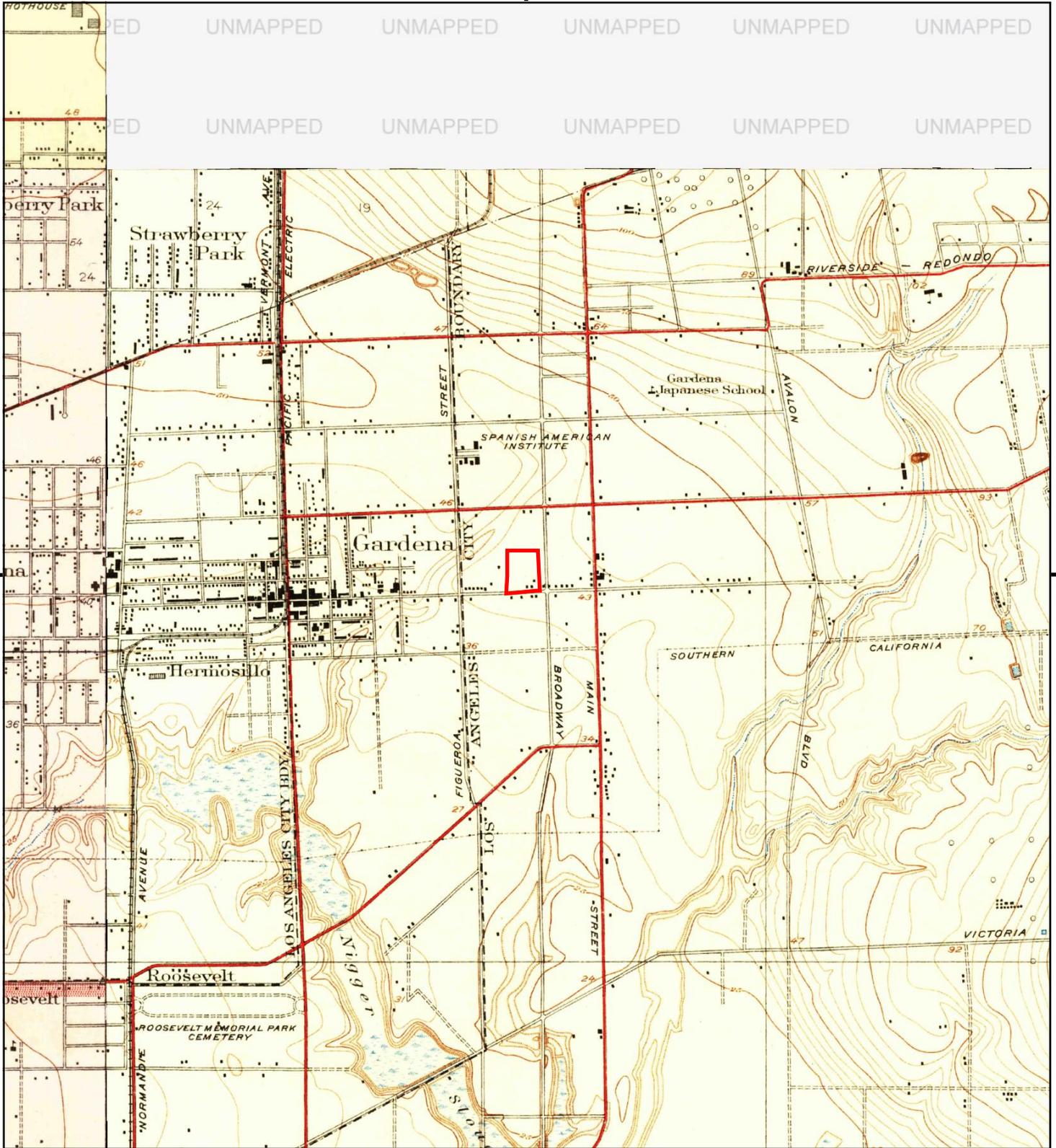
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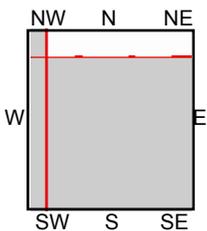
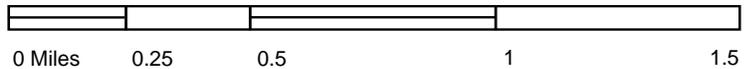
TP, REDONDO, 1948, 15-minute

SITE NAME: 333 West Gardena
 ADDRESS: 333 West Gardena
 Gardena, CA 90248
 CLIENT: Stantec





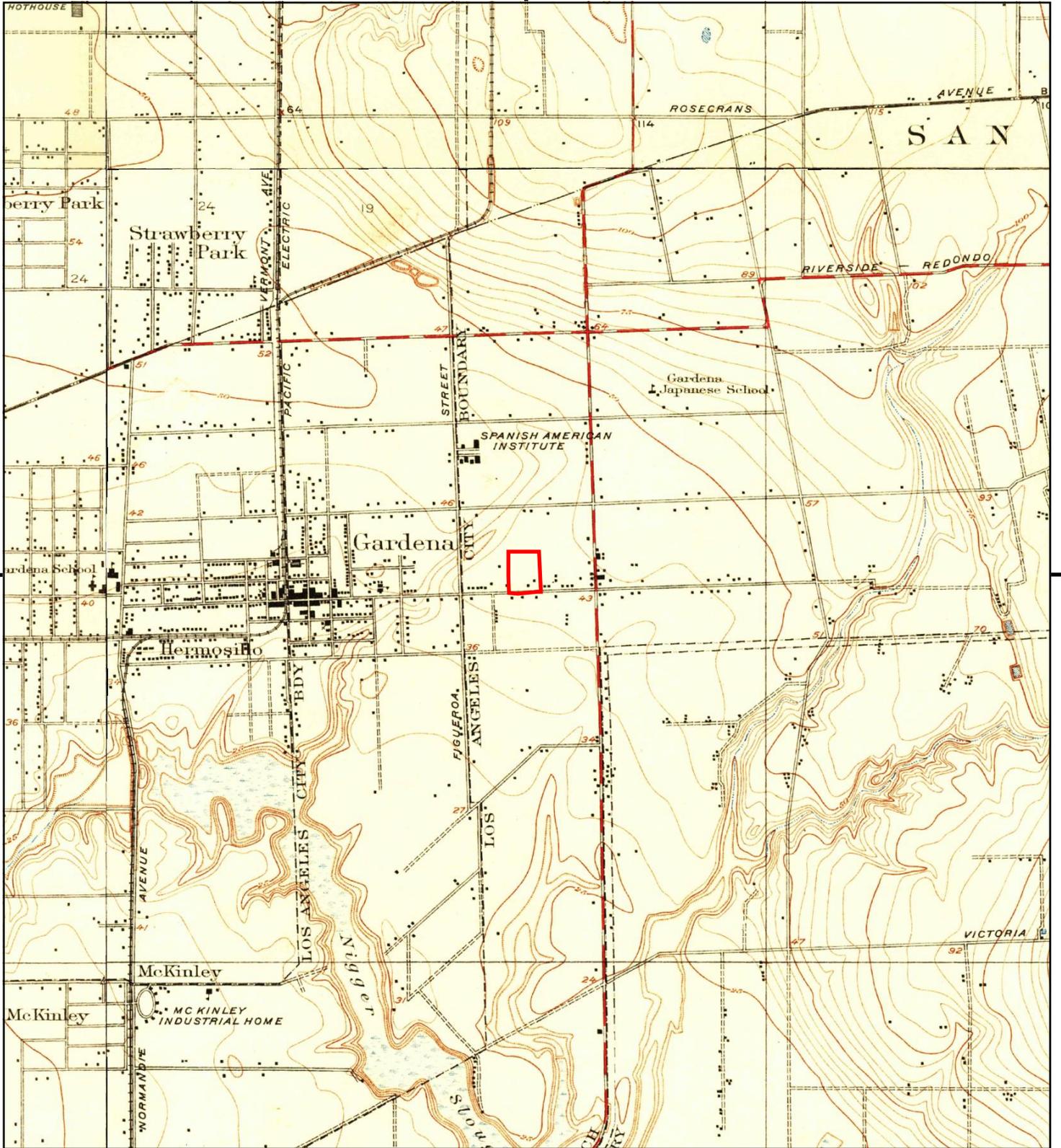
This report includes information from the following map sheet(s).



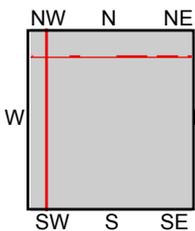
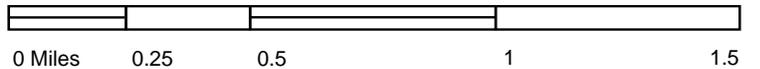
TP, Compton, 1930, 7.5-minute
 SW, Torrance, 1934, 7.5-minute
 NW, Inglewood, 1930, 7.5-minute

SITE NAME: 333 West Gardena
ADDRESS: 333 West Gardena
 Gardena, CA 90248
CLIENT: Stantec





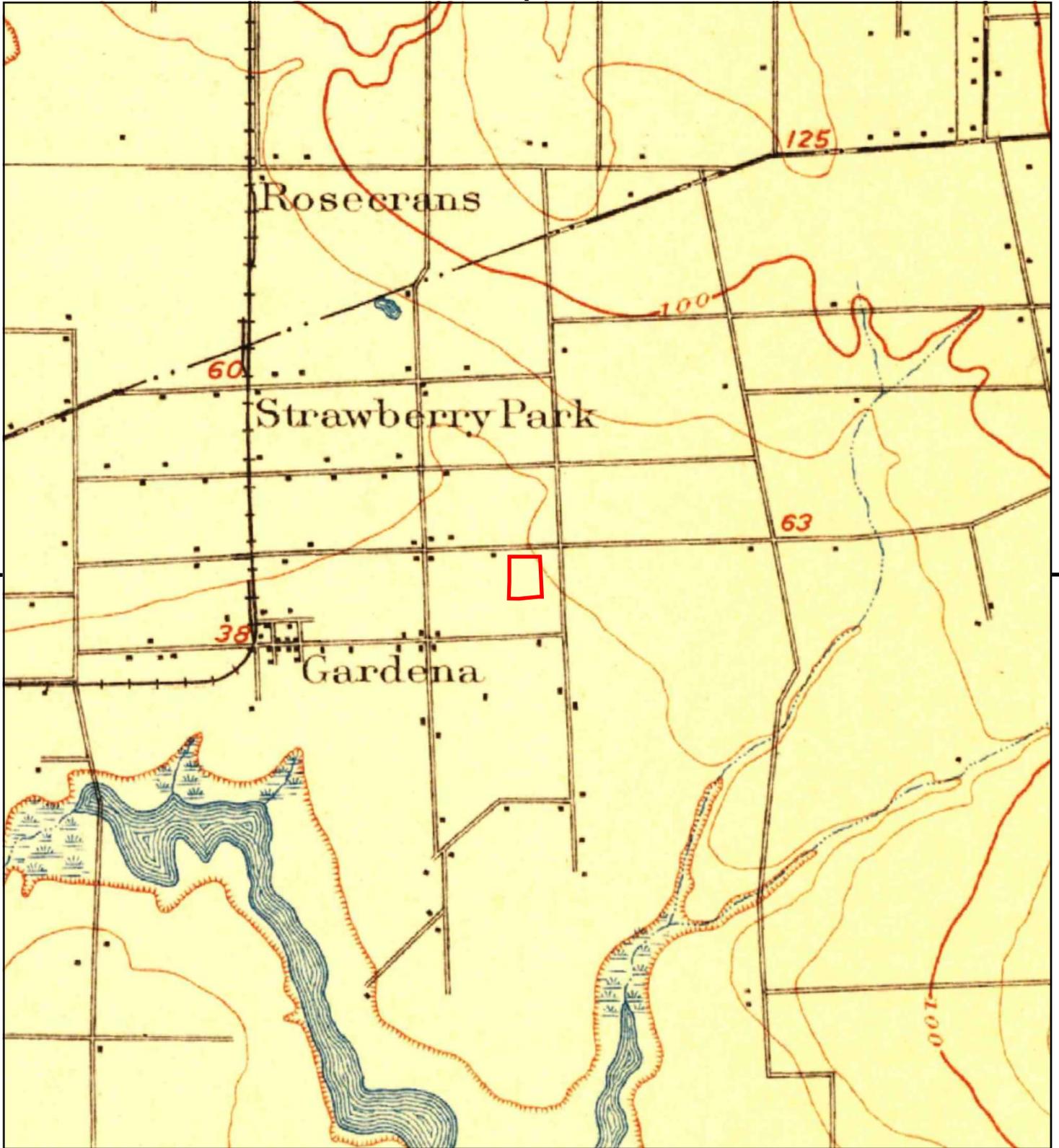
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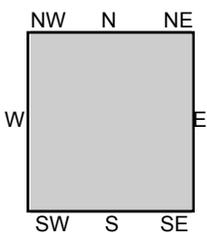
TP, Compton, 1924, 7.5-minute
 N, Watts, 1924, 7.5-minute
 SW, Torrance, 1924, 7.5-minute
 NW, Inglewood, 1924, 7.5-minute

SITE NAME: 333 West Gardena
ADDRESS: 333 West Gardena
 Gardena, CA 90248
CLIENT: Stantec





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



TP, Redondo, 1896, 15-minute

SITE NAME: 333 West Gardena
ADDRESS: 333 West Gardena
Gardena, CA 90248
CLIENT: Stantec





333 West Gardena

333 West Gardena

Gardena, CA 90248

Inquiry Number: 5563391.8

February 15, 2019

The EDR Aerial Photo Decade Package



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

EDR Aerial Photo Decade Package

02/15/19

Site Name:

333 West Gardena
333 West Gardena
Gardena, CA 90248
EDR Inquiry # 5563391.8

Client Name:

Stantec
735 E. Carnegie Drive, Suite 280
SAN BERNARDINO, CA 92408
Contact: Alicia Jansen



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2002	1"=500'	Flight Date: June 10, 2002	USDA
1994	1"=500'	Acquisition Date: May 31, 1994	USGS/DOQQ
1989	1"=500'	Flight Date: August 22, 1989	USDA
1981	1"=500'	Flight Date: February 21, 1981	EDR Proprietary Brewster Pacific
1977	1"=500'	Flight Date: January 18, 1977	EDR Proprietary Brewster Pacific
1970	1"=500'	Flight Date: February 19, 1970	EDR Proprietary Brewster Pacific
1963	1"=500'	Flight Date: February 28, 1963	USGS
1952	1"=500'	Flight Date: April 12, 1952	USDA
1947	1"=500'	Flight Date: June 18, 1947	FAIR
1938	1"=500'	Flight Date: May 24, 1938	USDA
1928	1"=500'	Flight Date: January 01, 1928	FAIR

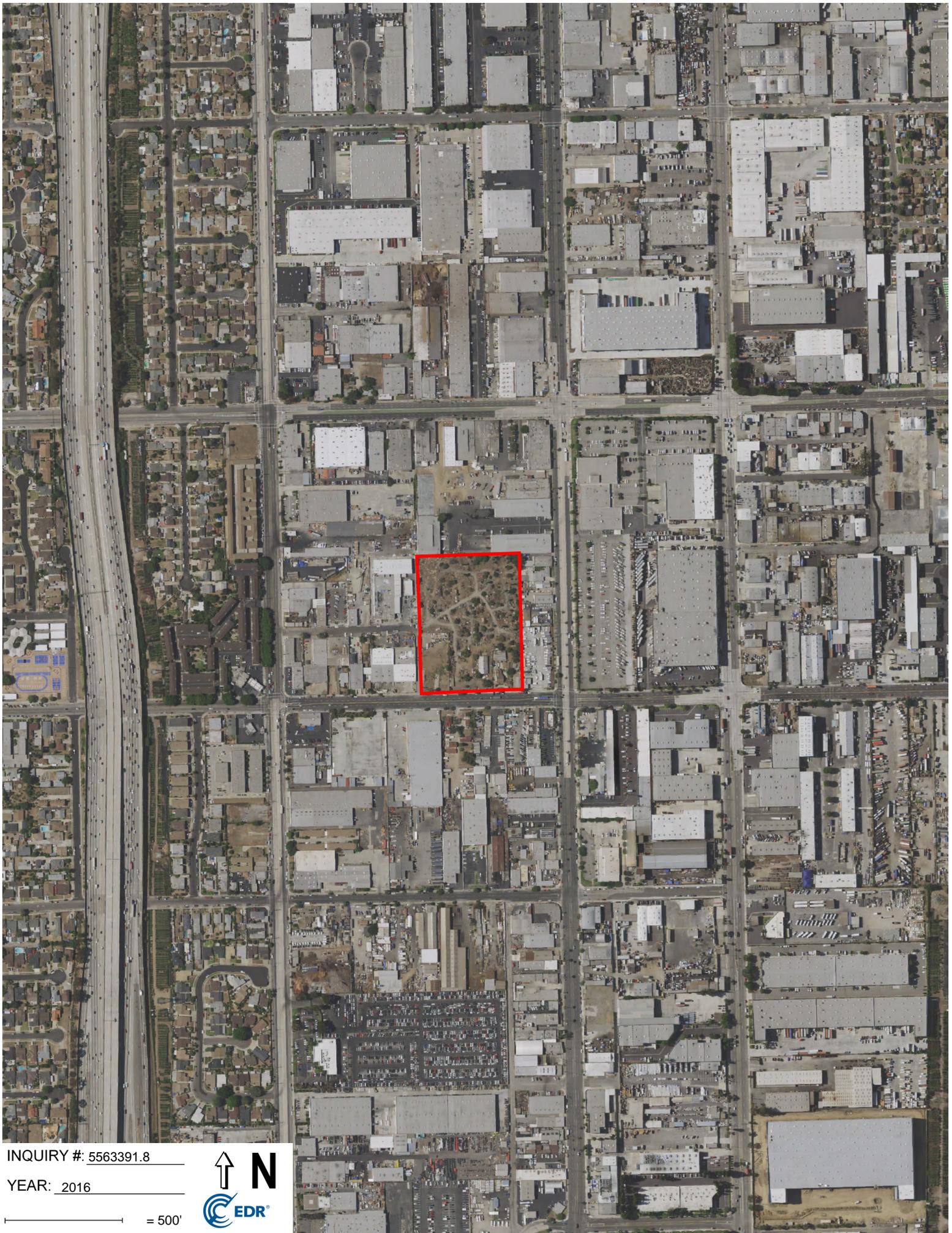
When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

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INQUIRY #: 5563391.8

YEAR: 2016

 = 500'





INQUIRY #: 5563391.8

YEAR: 2012

— = 500'





INQUIRY #: 5563391.8

YEAR: 2009

— = 500'





INQUIRY #: 5563391.8

YEAR: 2005

— = 500'





INQUIRY #: 5563391.8

YEAR: 2002

— = 500'





INQUIRY #: 5563391.8

YEAR: 1994

— = 500'





INQUIRY #: 5563391.8

YEAR: 1989

— = 500'





INQUIRY #: 5563391.8

YEAR: 1981

— = 500'





INQUIRY #: 5563391.8

YEAR: 1977

— = 500'





INQUIRY #: 5563391.8

YEAR: 1970

— = 500'





INQUIRY #: 5563391.8

YEAR: 1963

— = 500'



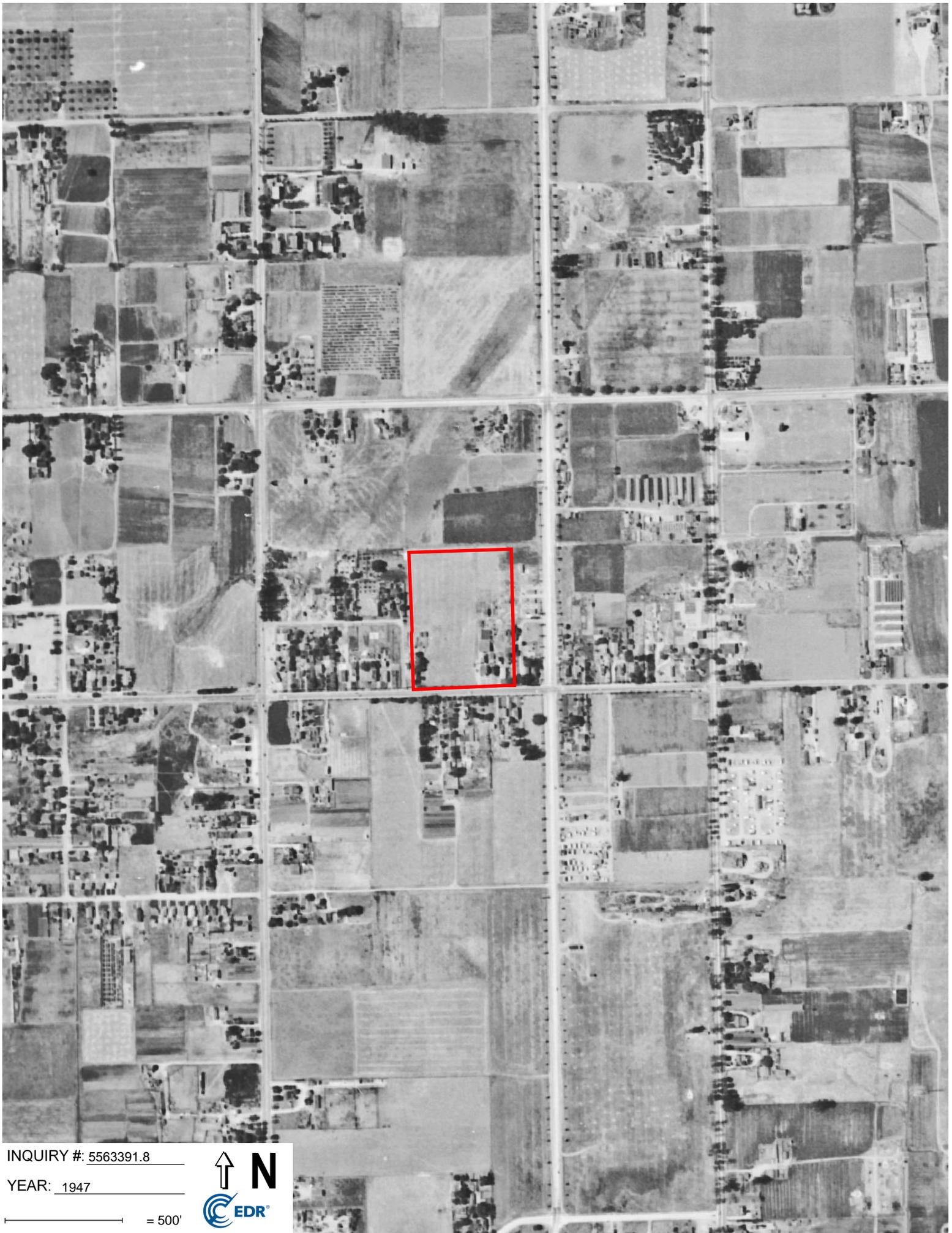


INQUIRY #: 5563391.8

YEAR: 1952

— = 500'





INQUIRY #: 5563391.8

YEAR: 1947

— = 500'





INQUIRY #: 5563391.8

YEAR: 1938

— = 500'





INQUIRY #: 5563391.8

YEAR: 1928

— = 500'



333 West Gardena

333 West Gardena
Gardena, CA 90248

Inquiry Number: 5563391.5
February 19, 2019

The EDR-City Directory Abstract

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SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by

infoUSA[®]

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2014	EDR Digital Archive	-	X	X	-
2010	EDR Digital Archive	-	X	X	-
2006	Haines Company	-	-	-	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	Haines & Company, Inc.	-	X	X	-
	Haines & Company, Inc.	X	X	X	-
2000	Pacific Bell Telephone	-	-	-	-
1999	Haines Company	-	-	-	-
1996	GTE	-	-	-	-
1995	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-

EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	-	-	-	-
1990	Pacific Bell	-	X	X	-
1986	Pacific Bell	-	X	X	-
1985	Pacific Bell	-	X	X	-
1981	Pacific Telephone	-	X	X	-
1980	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1976	Pacific Telephone	-	X	X	-
1975	Pacific Telephone	-	X	X	-
1972	R. L. Polk & Co.	-	-	-	-
1971	Pacific Telephone	-	X	X	-
1970	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1969	Pacific Telephone	-	-	-	-
1967	Pacific Telephone	-	X	X	-
1966	Pacific Telephone	-	-	-	-
1965	GTE	-	-	-	-
1964	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	X	X	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	-	X	X	-
1958	Pacific Telephone	-	X	X	-
1957	Pacific Telephone	-	-	-	-
1956	Pacific Telephone	-	-	-	-
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co.	-	X	X	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Los Angeles Directory Co Publishers	-	-	-	-
1950	Pacific Telephone	-	X	X	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Los Angeles Directory Co.	-	-	-	-
1947	Pacific Directory Co.	-	-	-	-
1946	Southern California Telephone Co	-	-	-	-
1945	The Glendale Directory Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-
1942	Los Angeles Directory Co.	-	-	-	-
1940	Los Angeles Directory Co.	-	-	-	-
1939	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Company Publishers	-	-	-	-

EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1937	Los Angeles Directory Co.	-	-	-	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	-	-	-	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	Los Angeles Directory Company Publishers	-	-	-	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	-	-	-
1928	Los Angeles Directory Co.	-	-	-	-
1927	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	-	-	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

<u>Address</u>	<u>Type</u>	<u>Findings</u>
317 West Gardena	Client Entered	X
325 West Gardena	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

333 West Gardena
Gardena, CA 90248

FINDINGS DETAIL

Target Property research detail.

GARDENA BLVD W

317 GARDENA BLVD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	ALVAREZ FIDEL	Pacific Bell

W GARDENA BLVD

317 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1995	Alvarez Fidel	Pacific Bell

325 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1980	JIMENEZ MIGUEL A	Pacific Telephone
1970	ROBERTSON LESTER	Pacific Telephone
1964	MACHADO M A	Pacific Telephone

333 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1970	MANN TRUCKING	Pacific Telephone
1964	GATES MACH SHOP	Pacific Telephone

West Gardena

317 West Gardena

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1995	ALVAREZ FIDEL	Pacific Bell

FINDINGS

325 West Gardena

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1980	JIMENEZ MIGUEL A	Pacific Telephone
1970	ROBERTSON LESTER	Pacific Telephone
1964	MACHADO M A	Pacific Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

164TH W

408 164TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	MORRIS ALUMINUM & CANVAS AWNINGS	Pacific Bell

414 164TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	JACQUES CUSTOM CABINETS	Pacific Bell
1990	JACQUES CUSTOM CABINETS	Pacific Bell
	PROFESSIONAL THE	Pacific Bell

416 164TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	SIGS STORE FIXTURES INC	Pacific Bell

417 164TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	ANCO METAL IMPROVEMENT	Pacific Bell

422 164TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	RUCH GEORGE	Pacific Bell
1990	AMUR KENNELS	Pacific Bell

424 164TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	RAMOS RUDOLPH	Pacific Bell

431 164TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	BRUMAD INC	Pacific Bell
	RYCO CONSTRUCTION	Pacific Bell
1990	RYCO CONSTRUCTION	Pacific Bell
	BRUMAD INC	Pacific Bell

FINDINGS

434 164TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	DECOR PLATING INC	Pacific Bell
1990	RICHARDS CABINET & FIXTURE CO	Pacific Bell

440 164TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	TRINITY MACHINE SHOP	Pacific Bell
1990	TRINITY MACHINE SHOP	Pacific Bell

442 164TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	ARAVE ANTHONY	Pacific Bell

444 164TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	INGLEWOOD APPLIANCE SERVICE	Pacific Bell
1990	INGLEWOOD APPLIANCE SERVICE	Pacific Bell

445 164TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	L JR BLANCHARD GRINDING CO	Pacific Bell
1990	L J R GRINDING CO	Pacific Bell

BROADWAY S

16245 BROADWAY S

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1995	WOODCLASSICS INC	Pacific Bell

16301 BROADWAY S

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	PERCZJoseph	Haines & Company, Inc.
1995	USATCO INTL	Pacific Bell
1990	U S AIR TOOL CO INC	Pacific Bell

16309 BROADWAY S

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	CARI ON KENNELS	Haines & Company, Inc.
1995	CARI-ON KENNELS	Pacific Bell
1990	CARI ON KENNELS	Pacific Bell

FINDINGS

16315 BROADWAY S

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	CASILLASMarganto	Haines & Company, Inc.
1995	M C CONSTRUCTION	Pacific Bell

16321 BROADWAY S

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	CLEARMARKPRINTING	Haines & Company, Inc.
1995	CLEARMARK PRINTING CO	Pacific Bell
	CLEARMARK PRINTING COMPANY INC	Pacific Bell
1990	CLEARMARK PRINTING CO	Pacific Bell
	CLEARMARK PRINTING COMPANY	Pacific Bell

16325 BROADWAY S

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	EVERS Donald B	Haines & Company, Inc.
1995	EVERS DONALD B	Pacific Bell
1990	EVERS DONALD B	Pacific Bell

16502 BROADWAY S

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	TOP AUTOTECHTHE	Haines & Company, Inc.
1995	TOY AUTO TECH THE	Pacific Bell
1990	TOY AUTOTECH THE	Pacific Bell

16508 BROADWAY S

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	CROWN AUTOMOTIVE	Haines & Company, Inc.
1995	J & J TOOLS	Pacific Bell
1990	SPEEDY EXPRESS TIRE CO	Pacific Bell

16530 BROADWAY S

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	AYERLAR HEALTH	Haines & Company, Inc.
1995	AYER-LAR HEALTH CARE CENTER	Pacific Bell
	22 BUTLER ROCKNE C	Pacific Bell
1990	AYERLAR SANITARIUM	Pacific Bell

16531 BROADWAY S

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	FUJIMOTOS	Haines & Company, Inc.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	FUJIMOTOS AQUARIUM & STANDS	Pacific Bell
1990	FUJIMOTOS AQUARIUM & STANDS	Pacific Bell

16539 BROADWAY S

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	SMITH BROS CRANE	Haines & Company, Inc.
1995	SMITH BROS CRANE RENTAL INC	Pacific Bell
1990	TOTAL REFRACTORY SYSTEMS INC	Pacific Bell

16602 BROADWAY S

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	CARGO SAVER	Haines & Company, Inc.
1995	TURTLE-RIDGE MEDIA GROUP INC	Pacific Bell

16604 BROADWAY S

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	GOMEZAUTOMOTIVE	Haines & Company, Inc.
1995	GOMEZ AUTOMOTIVE	Pacific Bell
1990	GOMEZ AUTOMOTIVE	Pacific Bell

16605 BROADWAY S

<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2001	ALAMOTHREAD	Haines & Company, Inc.	
1995	B WM MACHINE CO	Pacific Bell	
	D THORNES ENGINEERING	Pacific Bell	
	E AMERICAN APPLIANCE RECYCLING	Pacific Bell	
	G HANDS COMPANY	Pacific Bell	
	H HEADCO	Pacific Bell	
	J MORENA ELECTRIC	Pacific Bell	
	L ECONO PLUMBING	Pacific Bell	
	K MID-CITY GRINDING	Pacific Bell	
	1990	THORNES ENGINEERING	Pacific Bell
	JENSEN ALBERT J MACHINE	Pacific Bell	
	WM MACHINE CO	Pacific Bell	
	A M J B PRODUCTS	Pacific Bell	
	H MICHAELS GLASS & MIRROR CO	Pacific Bell	
J COAST X-RAY SYSTEMS INC	Pacific Bell		

FINDINGS

16606 BROADWAY S

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	ORIGINAL IRON WORKS	Haines & Company, Inc.
1995	ORIGINAL IRON WORKS	Pacific Bell

16608 BROADWAY S

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1995	MUNOZ BERTHA ALICIA	Pacific Bell
1990	A-1 METAL PRO	Pacific Bell

16610 BROADWAY S

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	WHITSTIK FIBERGLASS	Haines & Company, Inc.
1995	WHITSTIK FIBERGLASS REPAIRS	Pacific Bell
1990	ATLANTIC AIRCRAFT TOOL CO	Pacific Bell
	GENERAL PNEUMATICS INC	Pacific Bell

16611 BROADWAY S

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1990	COAST HYDRAULICS	Pacific Bell

16612 BROADWAY S

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1995	QUALITY PETS OF CALIFORNIA	Pacific Bell
1990	HEADCO	Pacific Bell

16619 BROADWAY S

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	MOSLEY Edgar	Haines & Company, Inc.
1995	AZTECA CHEESE COMPANY INC	Pacific Bell

16630 BROADWAY S

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	CENTERPOINT	Haines & Company, Inc.
1995	SNAP-ON TOOLS	Pacific Bell

FINDINGS

16539 1/2 BROADWAY S

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	DRIVE LINE SERVICE OF CARSON GARDENA	Pacific Bell
1990	DRIVE LINE SERVICE OF CAR SON GARDENA	Pacific Bell

GARDENA BLVD W

302 GARDENA BLVD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	FABULOUS CHARBROILED BURGERS	Pacific Bell
1990	FABULOUS CHARBR OILED BURGERS	Pacific Bell

310 GARDENA BLVD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	THOMAS OFFICE MACHINE STANDS	Pacific Bell
1990	THOMAS OFFICE MACHINE STANDS	Pacific Bell

313 GARDENA BLVD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	DIAZ EDDIE	Pacific Bell
1990	CALIFORNIA LANDESIGNS GROUP	Pacific Bell

320 GARDENA BLVD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	GARCIA JOSE B	Pacific Bell

324 GARDENA BLVD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	ESTRADA PEDRO	Pacific Bell

332 GARDENA BLVD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	ROYOLA PACIFIC LTD	Pacific Bell
1990	ROYOLA PACIFIC LTD	Pacific Bell

334 GARDENA BLVD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	BLAYLOCK DAVID MRS	Pacific Bell
1990	BLAYLOCK DAVID MRS	Pacific Bell

FINDINGS

336 GARDENA BLVD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	LIN JIAN XING	Pacific Bell

350 GARDENA BLVD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	BROWN FLOYD D JR	Pacific Bell
	SKYCRAFT ROOFING INC	Pacific Bell
1990	BROWN FLOYD D JR	Pacific Bell
	SKYCRAFT ROOFING INC	Pacific Bell

353 GARDENA BLVD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	HERRERA J	Pacific Bell
1990	HERRERA J	Pacific Bell

354 GARDENA BLVD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	ERA PRODUCTS INC	Pacific Bell
1990	ERA PRODUCTS INC	Pacific Bell

361 GARDENA BLVD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	HERRERA SANTOS J	Pacific Bell

400 GARDENA BLVD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	SECCA CORPORATION	Pacific Bell
1990	KOSHIN TRADING INC	Pacific Bell
	US SHIPPING LINE	Pacific Bell
	DAINICHI TSUUN CO	Pacific Bell

407 GARDENA BLVD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	CUSTOM DRAPERY INTERIORS INC	Pacific Bell
1990	CUSTOM DRAPERY INTERIORS INC	Pacific Bell

413 GARDENA BLVD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	SOUTH BAYS ULTRA BOATS	Pacific Bell
1990	HUGHES R S CO INC	Pacific Bell

FINDINGS

433 GARDENA BLVD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	MCINTYRE CREIGH W	Pacific Bell

439 GARDENA BLVD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	CARRILLO REYNALDA	Pacific Bell
1990	MCINTYRE JAMES R	Pacific Bell

444 GARDENA BLVD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	BRUNOS J RESTAURANT	Pacific Bell
1990	BRUNOS J RESTAURANT	Pacific Bell

445 GARDENA BLVD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	YAMADA SERVICE CENTER	Pacific Bell
1990	YAMADA SERVICE CENTER	Pacific Bell

316 1/2 GARDENA BLVD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	GARCIA JOSE B	Pacific Bell

330 1/2 GARDENA BLVD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	TU CHIH-LUNG	Pacific Bell

348 1/2 GARDENA BLVD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	DENNIS MAZZOLA	Pacific Bell
1990	DENNIS MAZZOLA	Pacific Bell

S Broadway

16301 S Broadway

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	SUNSET PRINTING COMPANY INC	EDR Digital Archive
	SILVAS PRINTING	EDR Digital Archive
	SUNSET PRINTING COMPANY INC	EDR Digital Archive
	SILVAS PRINTING	EDR Digital Archive
2010	SUNSET PRINTING COMPANY INC	EDR Digital Archive
	SILVAS PRINTING	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	SILVAS PRINTING	EDR Digital Archive
	SUNSET PRINTING COMPANY INC	EDR Digital Archive

S BROADWAY

16301 S BROADWAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	J-T TOOLS MIG CO GARDENA	Pacific Bell
1986	J-T TOOLS MFG CO GARDENA	Pacific Bell
1971	Vannatta Construction Corp	Pacific Telephone
1967	Vannatta Construction Corp	Pacific Telephone
1964	HAYES-VANNATTA CONSTRUCTION CORP	Pacific Telephone
1962	Vannatta Construction Corp	Pacific Telephone
	Hayes Vannatta Constr Co	Pacific Telephone
1960	VANNATTA CONSTRUCTION CO	Pacific Telephone
1954	TAYLOR L A	R. L. Polk & Co.
1950	BREINER LUCY MRS R	Pacific Telephone

S Broadway

16309 S Broadway

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	CARI ON KENNELS	EDR Digital Archive
	CARI ON KENNELS	EDR Digital Archive

S BROADWAY

16309 S BROADWAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	CARI-ON KENNELS CARSON	Pacific Bell
1986	WIL MAR KENNELS GARDENA	Pacific Bell

S Broadway

16315 S Broadway

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	M C CONSTRUCTION	EDR Digital Archive
	M C CONSTRUCTION	EDR Digital Archive
2010	M C CONSTRUCTION	EDR Digital Archive
	FRONT VIEW DESIGN	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	M C CONSTRUCTION	EDR Digital Archive
	FRONT VIEW DESIGN	EDR Digital Archive

16321 S Broadway

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	ADVANCED GLASS INC	EDR Digital Archive
	ADVANCED GLASS INC	EDR Digital Archive
2010	ADVANCED GLASS INC	EDR Digital Archive
	ADVANCED GLASS INC	EDR Digital Archive

S BROADWAY

16321 S BROADWAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	CLEARMARK PRINTING CO GARDENA	Pacific Bell
1986	CLEARMARK PRINTING CO 16 GARDENA	Pacific Bell
1985	CLEARMARK PRINTING COMPANV	Pacific Bell
1981	CLEARMARK PRINTING CO GARDENA	Pacific Telephone
1975	GLEARMARAK PRINTING COMPANY	Pacific Telephone

S Broadway

16323 S Broadway

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	M T MOBILE FIELD SVCS INC	EDR Digital Archive
	M T MOBILE FIELD SVCS INC	EDR Digital Archive
2010	M T MOBILE FIELD SVCS INC	EDR Digital Archive
	M T MOBILE FIELD SVCS INC	EDR Digital Archive

16502 S Broadway

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	BROTHERS FLEET SERVICE INC	EDR Digital Archive
	BROTHERS FLEET SERVICE INC	EDR Digital Archive
2010	BROTHERS FLEET SERVICE INC	EDR Digital Archive
	BROTHERS FLEET SERVICE INC	EDR Digital Archive

FINDINGS

16508 S Broadway

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	BRIANS SMOG CHECK TEST ONLY	EDR Digital Archive
	BRIANS SMOG CHECK TEST ONLY	EDR Digital Archive
2010	SNAP-ON INCORPORATED	EDR Digital Archive
	HEALTHY HERB HOUSE A CA NON P	EDR Digital Archive
	SNAP-ON INCORPORATED	EDR Digital Archive
	HEALTHY HERB HOUSE A CA NON P	EDR Digital Archive

S BROADWAY

16519 S BROADWAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	MULLER ROOFING CO GARDENA	Pacific Telephone
1980	MULLER ROOFING CO	Pacific Telephone
1975	GARDENA BAPTIST CHURCH	Pacific Telephone
1970	GARDENA BAPTIST CHURCH	Pacific Telephone
1964	GARDENA BAPTIST CHURCH	Pacific Telephone
1960	REGULAR PRIMITIVE BAPTIST CHURCH	Pacific Telephone

S Broadway

16530 S Broadway

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	GREENFIELD CARE CENTER GARDENA	EDR Digital Archive
	GREENFIELD CARE CENTER GARDENA	EDR Digital Archive
2010	GREENFIELD CARE CENTER GARDENA	EDR Digital Archive
	GREENFIELD CARE CENTER GARDENA	EDR Digital Archive

16531 S Broadway

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	FUJIMOTO AQUARIUM INC	EDR Digital Archive
	FUJIMOTO AQUARIUM INC	EDR Digital Archive
2010	FUJIMOTO AQUARIUM INC	EDR Digital Archive
	OPERATING SYS DEV GROUP A C	EDR Digital Archive
	FUJIMOTO AQUARIUM INC	EDR Digital Archive
	OPERATING SYS DEV GROUP A C	EDR Digital Archive

FINDINGS

S BROADWAY

16537 S BROADWAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	SOLOTEX FABRICS INC GARDENA	Pacific Telephone
1975	AMERICAN LOUVER CO	Pacific Telephone

S Broadway

16539 S Broadway

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	SMITH BROS CRANE RENTAL INC	EDR Digital Archive
	DRIVE LINE SERVICE	EDR Digital Archive
	SMITH BROS CRANE RENTAL INC	EDR Digital Archive
	DRIVE LINE SERVICE	EDR Digital Archive
2010	DRIVE LINE SERVICE	EDR Digital Archive
	SB CRANE ENTERPRISES	EDR Digital Archive
	SMITH BROS CRANE RENTAL INC	EDR Digital Archive
	DRIVE LINE SERVICE	EDR Digital Archive
	SB CRANE ENTERPRISES	EDR Digital Archive
	SMITH BROS CRANE RENTAL INC	EDR Digital Archive

S BROADWAY

16539 S BROADWAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	PENHALL CO	Pacific Bell
	Penhall Co	Pacific Bell
1981	PENHALL CO GARDENA	Pacific Telephone
1980	PENHALL CO	Pacific Telephone
1975	FISHER FRANK & SON INC MASNRY CONTRS	Pacific Telephone
	FRANK FISHER & SON INC	Pacific Telephone
1964	B & J SCRAP METALS	Pacific Telephone
	LEWIS SAML L SCRAP MTL	Pacific Telephone

16605 S BROADWAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	COAST X-RAY CO INC CARSON	Pacific Bell
1986	HY LO MACHINE CO INC GARDENA	Pacific Bell
1985	G C MACHINE	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	HY-LO MACHINE CO INC	Pacific Bell
	JENSEN ALBERT J MACHINE	Pacific Bell
	WM MACHINE CO	Pacific Bell
	STREETMAKER CONTRACTING	Pacific Bell
	THORNE S ENGINEERING	Pacific Bell
1980	HILL SMALL PARTS	Pacific Telephone
	JENSEN ALBERT J MACHINE	Pacific Telephone
	KEYSER SOCKET SCREW	Pacific Telephone
1976	Hy Lo Co	Pacific Telephone
	M J B Products indstrl tool supls	Pacific Telephone
1975	BELL MFG & CHEMICAL SALES	Pacific Telephone
	HILL SMALL PARTS	Pacific Telephone
	HY-LO CO	Pacific Telephone
	JENSEN ALBERT J MACHINE	Pacific Telephone
	NORM S DISPLAY FIXTURES	Pacific Telephone
1971	Bell Mfg & Chemical Sales	Pacific Telephone
	Hy Lo Co	Pacific Telephone
	M J B Products indstrl tool supls	Pacific Telephone
1970	HILL SMALL PARTS	Pacific Telephone
	MUTO MOLD CO	Pacific Telephone
	NORM S DISPLAY FIXTURES	Pacific Telephone
1967	Hy Lo Co	Pacific Telephone
	M J B Products indstrl tool supls	Pacific Telephone
1964	JAYLOCK ENGINEERING CO	Pacific Telephone
	PEOT CLARENCE	Pacific Telephone
	W M MACH CO	Pacific Telephone

16612 S BROADWAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	ABLE RESTAURANT SUPPLY COMPANY GARDENA	Pacific Bell
1985	UPDATE INTENATL INC	Pacific Bell
1980	DAVES CAR RADIO	Pacific Telephone

16619 S BROADWAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	XOCHITL MEXICAN FOOD PRODUCTS GARDENA	Pacific Bell
1985	XOCHITL MEXICAN FOOD PRODUCTS	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	XOCHITL MEXICAN FOOD PRODUCTS GARDENA	Pacific Telephone
1975	JACK & BOB S FOODS INC	Pacific Telephone
1971	Dor Chek	Pacific Telephone
1970	DOR-CHEK	Pacific Telephone
1962	Gardena Poultry Co	Pacific Telephone
1960	MAGNETTI & ZACKY POULTRY CO	Pacific Telephone

16630 S BROADWAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	SNAP-ON TOOLS CARSON	Pacific Bell

S BROADWAY ST

16301 S BROADWAY ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	Vannatta Construction Corp	Pacific Telephone

16306 S BROADWAY ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	Cosco Fire Protection Div Zurn Industries Inc	Pacific Telephone

16309 S BROADWAY ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	Wil Mar Kennels	Pacific Telephone

16321 S BROADWAY ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	Clearmark Printing Co	Pacific Telephone

16539 S BROADWAY ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	Fisher Frank & Son Inc masnry contrs	Pacific Telephone

16602 S BROADWAY ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	Tully Steaks	Pacific Telephone

16604 S BROADWAY ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	Usadel Mfrs Inc	Pacific Telephone

FINDINGS

16605 S BROADWAY ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	Bell Mfg & Chemical Sales	Pacific Telephone

16611 S BROADWAY ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	Krauss Walter sash doors frames	Pacific Telephone

16619 S BROADWAY ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	Jack & Bobs Foods Inc	Pacific Telephone
	El Burrito	Pacific Telephone

W 164TH

416 W 164TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	SIGS STORE FIXTURES INC GARDENA	Pacific Bell
1986	SIG S STORE FIXTURES INC GARDENA	Pacific Bell
1962	A & K Extrusion Die Co	Pacific Telephone

417 W 164TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	ANCO METAL IMPROVEMENT PLATNG DIV GARDENA	Pacific Bell
1986	ANCO METAL IMPROVEMENT PLATNG DIV GARDENA	Pacific Bell
1981	METAL IMPROVEMENT PLATNG DIV GARDENA	Pacific Telephone
1971	Anco Metal Improvement platng div	Pacific Telephone

440 W 164TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	PRECISION CUTTING TOOLS GARDENA	Pacific Telephone

W 164TH ST

406 W 164TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	BALDECCHI A P & SON	Pacific Telephone

FINDINGS

407 W 164TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	FARRELL ELSIE	Pacific Telephone
1960	COOPER CHAS T	Pacific Telephone
1954	COOPER CHAS T	R. L. Polk & Co.
1950	COOPER CHAS T R	Pacific Telephone

W 164th St

408 W 164th St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	JOHN A BATCHELOR CO INC	EDR Digital Archive
	JOHN A BATCHELOR CO INC	EDR Digital Archive

W 164TH ST

408 W 164TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1967	Baldecchi A P & Son	Pacific Telephone

410 W 164TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1967	Stanley Druy Products Inc	Pacific Telephone

412 W 164TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	DURAPLEX INDUSTRIES	Pacific Telephone

W 164th St

414 W 164th St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	LENGFELDS CUSTOM CABINETRY	EDR Digital Archive
	LENGFELDS CUSTOM CABINETRY	EDR Digital Archive
2010	LENGFELDS CUSTOM CABINETRY	EDR Digital Archive
	LENGFELDS CUSTOM CABINETRY	EDR Digital Archive

W 164TH ST

414 W 164TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Jacques Custom Cabinets	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	MCLEOD M C	Pacific Telephone
1964	BURDICK V H FOUNDRY	Pacific Telephone

416 W 164TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	SIGS STORE FIXTURES INC	Pacific Bell
1976	Sigs Store Fixtures Inc	Pacific Telephone
1964	A & K EXTRUSION DIE CO	Pacific Telephone

417 W 164TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Anco Metal Improvement platng div	Pacific Bell
1985	ANCO METAL IMPROVEMENT PLATNG DIV	Pacific Bell
1980	ANCO METAL IMPROVEMENT PLATNG DIV	Pacific Telephone
1976	ANCO METAL IMPROVEMENT platng div	Pacific Telephone
1975	ANCO METAL IMPROVEMENT PLATNG DIV	Pacific Telephone
1970	ANCO METAL IMPROVEMENT PLATNG DIV	Pacific Telephone

W 164th St

422 W 164th St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	G E RUCH	EDR Digital Archive
	G E RUCH	EDR Digital Archive
2010	G E RUCH	EDR Digital Archive
	G E RUCH	EDR Digital Archive

W 164TH ST

422 W 164TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Amur Kennels	Pacific Bell
1985	AMUR KENNELS	Pacific Bell
1980	AMUR KENNELS	Pacific Telephone
1975	AMUR KENNELS	Pacific Telephone
1970	AMUR KENNELS	Pacific Telephone
1967	Amur Kennels	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	MUNROE JOS JR	Pacific Telephone

423 W 164TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	POINTER OLNTER BERT	Pacific Telephone
	BRYANT HERMAN G	Pacific Telephone

424 W 164TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Brown Eddie E	Pacific Bell

431 W 164TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Ryco Construction	Pacific Bell
	Brumad Inc	Pacific Bell
1985	RYCO CONSTRUCTION	Pacific Bell
1980	DODGE F M & SON	Pacific Telephone
1975	DODGE F M & SON	Pacific Telephone
1970	DODGE F M & SON	Pacific Telephone
1967	Ginsburg I M Furniture Mfg	Pacific Telephone
	David I M Furniture Mfg	Pacific Telephone
1964	BEAVER MFG CO	Pacific Telephone

433 W 164TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	GRAHAM GRACE	Pacific Telephone
1960	EVANS S CLEM	Pacific Telephone
1950	EVANS S CLEMR	Pacific Telephone

434 W 164TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Decor Plating Inc	Pacific Bell
1985	RICHARDS CABINET & FIXTURE CO	Pacific Bell
1976	Richards Cabinet & Fixture Co	Pacific Telephone
1970	RICHARDS CABINET & FIXTURE CO	Pacific Telephone
1967	RICHARDS CABINET & FIXTURE CO	Pacific Telephone

440 W 164TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Trinity Machine Shop	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	TRINITY MACHINE SHOP	Pacific Bell
1976	I M S Company Inc	Pacific Telephone

442 W 164TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Arave Anthony	Pacific Bell

444 W 164TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Inglewood Appliance Service	Pacific Bell
1985	INGLEWOOD APPLIANCE SERVICE	Pacific Bell
1980	INGLEWOOD APPLIANCE SERVICE	Pacific Telephone

445 W 164TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	LJR Blanchard Grinding Co	Pacific Bell
1985	L J & R GRINDING CO	Pacific Bell
1980	L J & R GRINDING CO	Pacific Telephone
1975	L & R GRINDING CO	Pacific Telephone
1970	HAWK HOUSE MOTOR CAR DIV	Pacific Telephone
1967	Halicki Mfg Co	Pacific Telephone
	Hawk House Motor Car Div	Pacific Telephone

412 1/2 W 164TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	HARLOW MACH CO	Pacific Telephone

W Gardena Blvd

128 W Gardena Blvd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	WEST COASTAL ELECTRIC	EDR Digital Archive
	CIDESHOW REHEARSAL STUDIO	EDR Digital Archive
	WEST COASTAL ELECTRIC	EDR Digital Archive
	CIDESHOW REHEARSAL STUDIO	EDR Digital Archive
2010	CIDESHOW REHEARSAL STUDIO	EDR Digital Archive
	WEST COASTAL ELECTRIC	EDR Digital Archive
	CIDESHOW REHEARSAL STUDIO	EDR Digital Archive
	WEST COASTAL ELECTRIC	EDR Digital Archive

FINDINGS

132 W Gardena Blvd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	TN MACHINE CO	EDR Digital Archive
	TN MACHINE CO	EDR Digital Archive

134 W Gardena Blvd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	AMCO	EDR Digital Archive
	AMCO	EDR Digital Archive

140 W Gardena Blvd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	POSEIDON AQUATICS INC	EDR Digital Archive
	POSEIDON AQUATICS INC	EDR Digital Archive
2010	POSEIDON AQUATICS INC	EDR Digital Archive
	POSEIDON AQUATICS INC	EDR Digital Archive

144 W Gardena Blvd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	SC CHROMATOGRAPHY	EDR Digital Archive
	KC FURNITURE	EDR Digital Archive
	SC CHROMATOGRAPHY	EDR Digital Archive
	KC FURNITURE	EDR Digital Archive
2010	PACKAGING COMPANY	EDR Digital Archive
	PACKAGING COMPANY	EDR Digital Archive

146 W Gardena Blvd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	ORIGINAL IRON WORKS	EDR Digital Archive
	TECHNOLOGY CARBIDE TOOLS	EDR Digital Archive
	TECHNOLOGY CARBIDE TOOLS	EDR Digital Archive
	ORIGINAL IRON WORKS	EDR Digital Archive
2010	TECHNOLOGY CARBIDE TOOLS	EDR Digital Archive
	TECHNOLOGY CARBIDE TOOLS	EDR Digital Archive

148 W Gardena Blvd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	AUTO INSPECTOR	EDR Digital Archive
	AUTO INSPECTOR	EDR Digital Archive

FINDINGS

W GARDENA BLVD

156 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.

158 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	AYERS CLARA MRS	Pacific Telephone
1964	AYERS CLARA MRS	Pacific Telephone

238 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	LUTHRINGER HENRY	Pacific Telephone

242 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.

301 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	PLAZA GAOIEL	Pacific Telephone

W Gardena Blvd

302 W Gardena Blvd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	FABULOUS CHARBROILED BURGERS	EDR Digital Archive
	FABULOUS CHARBROILED BURGERS	EDR Digital Archive

W GARDENA BLVD

302 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	FABULOUS	Haines & Company, Inc.

307 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1964	HAMMOND F C EXTERMINATOR	Pacific Telephone

FINDINGS

W Gardena Blvd

310 W Gardena Blvd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	ACTION CONTRACTORS INC	EDR Digital Archive
	KAYMOR CONSTRUCTION INC	EDR Digital Archive
	CIM DISTRIBUTING INC	EDR Digital Archive
	KAYMOR CONSTRUCTION INC	EDR Digital Archive
	CIM DISTRIBUTING INC	EDR Digital Archive
	ACTION CONTRACTORS INC	EDR Digital Archive
2010	CIM DISTRIBUTING INC	EDR Digital Archive
	THOMAS MANUFACTURING INC	EDR Digital Archive
	CIM DISTRIBUTING INC	EDR Digital Archive
	THOMAS MANUFACTURING INC	EDR Digital Archive

W GARDENA BLVD

310 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	THOMAS OFCMACH	Haines & Company, Inc.
1985	THOMAS MANUFACTURING COMPANY	Pacific Bell
1970	THOMAS OFC MACH STANDS	Pacific Telephone

311 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1970	COLE CONSTANCE M	Pacific Telephone
1964	COLE CONSTANCE M	Pacific Telephone

W Gardena Blvd

313 W Gardena Blvd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	LANDAVAZO CONCRETE PUMPIN	EDR Digital Archive
	LANDAVAZO CONCRETE PUMPIN	EDR Digital Archive

W GARDENA BLVD

313 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	DSN CONCRETE	Haines & Company, Inc.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	BRUCE PAVING CO INC CARSON	Pacific Bell
1986	BRUCE PAVING CO INC GARDENA	Pacific Bell
1985	BRUCE PAVING CO INC	Pacific Bell
	ASARO NATE	Pacific Bell
1981	BRUCE PAVING CO INC GARDENA	Pacific Telephone
1980	BRUCE PAVING CO INC	Pacific Telephone
	ASARO NATE	Pacific Telephone
1970	HAMMOND CHAS C	Pacific Telephone

316 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	NOZAKI NURSERY	Haines & Company, Inc.
1995	Garcia Jose B	Pacific Bell
1985	VERGARA LUPE R	Pacific Bell
1964	SMITH JOSEPHINE V	Pacific Telephone

318 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	NOZAKISumikichi 00 i	Haines & Company, Inc.

320 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1985	GARCIA RAMIRO B	Pacific Bell
1980	GARCIA EISEO VILLARREAL	Pacific Telephone
	OCHOA MARIO	Pacific Telephone
1964	VERGARA L M	Pacific Telephone

322 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1985	KER BART	Pacific Bell
1975	MURATA MARY O	Pacific Telephone
1970	RUBY WM R	Pacific Telephone

324 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	ESTRADAPedro	Haines & Company, Inc.
1985	CHEN TINA	Pacific Bell

FINDINGS

326 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1975	ALANIS ERNIE	Pacific Telephone
1970	BLAYLOCK DAVID MRS	Pacific Telephone

W Gardena Blvd

330 W Gardena Blvd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	GRASS FED LLC	EDR Digital Archive
	PEDI PRINCESS	EDR Digital Archive
	GRASS FED LLC	EDR Digital Archive
	PEDI PRINCESS	EDR Digital Archive

W GARDENA BLVD

330 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	LIU RICHARD	Pacific Bell
1975	BIKE RACK CORP	Pacific Telephone
1970	MARTINEZ COMPANY	Pacific Telephone
	MARTINEZ COMPANY	Pacific Telephone
1964	CHALET CAMPERS	Pacific Telephone
	CALIF OUTBOARD BOAT RACING ASSN	Pacific Telephone
	C O B R A INC	Pacific Telephone

W Gardena Blvd

332 W Gardena Blvd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	M&M MARKETING	EDR Digital Archive
	M&M MARKETING	EDR Digital Archive
2010	ROYOLA PACIFIC LTD	EDR Digital Archive
	ROYOLA PACIFIC LTD	EDR Digital Archive

FINDINGS

W GARDENA BLVD

332 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	ROYOLA PACIFIC LTD	Haines & Company, Inc.
1995	Royola Pacific Ltd	Pacific Bell
1990	ROYOLA PACIFIC LTD GARDENA	Pacific Bell
1986	ROYOLA PACIFIC LTD GARDENA	Pacific Bell
1985	ROYOLA PACIFIC LTD	Pacific Bell
1981	ROYALA PACIFIC LTD GARDENA	Pacific Telephone
1976	Tanaka Leo Moldmaker	Pacific Telephone
1970	TANAKA LEO MOLDMAKER	Pacific Telephone
1964	IMPERIAL MOLD & PRODUCTS	Pacific Telephone

334 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	BLAYLOCKDoid Mrs	Haines & Company, Inc.
1995	Blaylock David Mrs	Pacific Bell
1985	BLAYLOCK DAVID MRS	Pacific Bell
1980	BLAYLOCK DAVID MRS	Pacific Telephone
1975	BLAYLOCK DAVID MRS	Pacific Telephone

W Gardena Blvd

336 W Gardena Blvd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	ROYOLA PACIFIC LTD	EDR Digital Archive
	ROYOLA PACIFIC LTD	EDR Digital Archive

W GARDENA BLVD

336 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1985	LIU MARSMAN	Pacific Bell
1970	POPOVICS MIKE	Pacific Telephone
1964	OSBORNE CHAS D	Pacific Telephone

FINDINGS

W Gardena Blvd

344 W Gardena Blvd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	BROWN FLOYD D JR	EDR Digital Archive
	BROWN FLOYD D JR	EDR Digital Archive

W GARDENA BLVD

344 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	BROWNIFYyd	Haines & Company, Inc.
1980	BOCCHALATT DORIS	Pacific Telephone
1975	COLLIER ANNA B MRS	Pacific Telephone
1970	COLLIER ANNA B MRS	Pacific Telephone
1964	NOLASCO JOS	Pacific Telephone

346 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.

348 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Dennis Mazzola	Pacific Bell
1985	MULLIGAN THAD	Pacific Bell
1980	MULLIGAN THAD	Pacific Telephone
1970	BURNETT L M	Pacific Telephone
1964	BROWN CARRIE W	Pacific Telephone

350 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	BROWN Floyd D Jr	Haines & Company, Inc.
1995	Skycraft Roofing Inc	Pacific Bell
	Brown Floyd D Jr	Pacific Bell
1990	SKYCRAFT ROOFING INC CARSON	Pacific Bell
1985	SKYCRAFT ROOFING INC	Pacific Bell
	BROWN FLOYD D JR	Pacific Bell
1975	BROWN FLOYD D JR	Pacific Telephone
1970	BROWN FLOYD D JR	Pacific Telephone
1964	BROWN FLOYD D JR	Pacific Telephone

FINDINGS

353 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	HERRERAJohn	Haines & Company, Inc.
1995	Herrera J	Pacific Bell
1985	HERRERA J	Pacific Bell
1980	HERRERA J	Pacific Telephone
1975	HERRERA JANE	Pacific Telephone
	HERRERA J	Pacific Telephone
1970	HERRERA J	Pacific Telephone
1964	HERRERA J	Pacific Telephone

W Gardena Blvd

354 W Gardena Blvd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	1003 W GARDENA LLC	EDR Digital Archive
	1003 W GARDENA LLC	EDR Digital Archive
2010	NADERS	EDR Digital Archive
	1003 W GARDENA LLC	EDR Digital Archive
	NADERS	EDR Digital Archive
	1003 W GARDENA LLC	EDR Digital Archive

W GARDENA BLVD

354 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	ERA PRODUCTS INC	Haines & Company, Inc.
1995	ERA Products Inc	Pacific Bell
	Era Products Inc	Pacific Bell
1990	ERA PRODUCTS INC CARSON	Pacific Bell
1986	ERA PRODUCTS INC CARSON	Pacific Bell
1981	INFANTS SPECIALTY CO GARDENA	Pacific Telephone
1980	INFANTS SPECIALTY CO	Pacific Telephone
1976	Infants Specialty Co	Pacific Telephone
1975	INFANTS SPECIALTY CO	Pacific Telephone
1970	INFANTS SPECIALTY CO	Pacific Telephone
1964	INFANTS SPECIALTY CO	Pacific Telephone

FINDINGS

361 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1985	HERRERA SANTOS J	Pacific Bell
1980	HERRERA SANTOS J	Pacific Telephone
1975	HERRERA SANTOS J	Pacific Telephone
1970	HERRERA SANTOS J	Pacific Telephone

400 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	PREST 8 QE	Haines & Company, Inc.
1995	Secca Corporation	Pacific Bell
1985	U S SHIPPING LINE	Pacific Bell
1980	GRIFFIN BROS	Pacific Telephone
1964	VISADOR CO THE	Pacific Telephone

401 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.

407 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	FRONTIER	Haines & Company, Inc.
1995	Custom Drapery Interiors Inc	Pacific Bell
1985	CUSTOM DRAPERY INTERIORS	Pacific Bell
1980	CUSTOM DRAPERY INTERIORS	Pacific Telephone
1975	DAYTONA HELMETS	Pacific Telephone
1970	BALDECCHI A P & SON	Pacific Telephone
1967	Drapery Merchandisers	Pacific Telephone
1964	HOLIDAY DRAPERY STUDIO	Pacific Telephone

413 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1985	C & R PRODUCTS	Pacific Bell
	C & R MARINE PRODUCTS	Pacific Bell
	CLOTHIER & ROSE INC	Pacific Bell
1980	HARRIS J W CO INC GARDENA	Pacific Telephone
	CLOTHIER & ROSE INC	Pacific Telephone
	C & R PRODUCTS	Pacific Telephone
	C & R MARINE PRODUCTS	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	Watsco Inc	Pacific Telephone
	Motors & Armatures Inc	Pacific Telephone
	Harris J W Co Inc	Pacific Telephone
	Clothier & Rose Inc	Pacific Telephone
1975	Motors & Armatures Inc	Pacific Telephone
	MOTORS & ARMATURES INC	Pacific Telephone
	HARRIS J W CO INC	Pacific Telephone
	CLOTHIER & ROSE INC	Pacific Telephone
1970	AZTEC MILLS	Pacific Telephone
1964	WHITEWORTH INC	Pacific Telephone

423 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	DELARM Nancy	Haines & Company, Inc.
1970	FRANGIAMORE VINCENT P	Pacific Telephone
1964	FRANGIAMORE VINCENT P	Pacific Telephone
	VIN-MAR ELECTRIC MOTOR SERV	Pacific Telephone

425 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	RFAMOSRudy	Haines & Company, Inc.
1985	SANCHEZ RAMON B	Pacific Bell

427 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	RAYSON CRAFTRUDY	Haines & Company, Inc.
1985	HORNBECK P	Pacific Bell
1980	HORNBECK P	Pacific Telephone
1964	HORNBECK JOHN	Pacific Telephone

433 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	THORNESima	Haines & Company, Inc.
1985	MCINTYRE CREIGH W	Pacific Bell
1980	MCINTYRE CREIGH W	Pacific Telephone
1975	MCINTYRE CREIGH W	Pacific Telephone
1970	MCINTYRE CREIGH W	Pacific Telephone
1964	MCINTYRE CREIGH W	Pacific Telephone
	A & M BABY SITTERS REGISTRY AGCY	Pacific Telephone

FINDINGS

435 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1964	SUTLOVICH GARY	Pacific Telephone

439 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	SDAVISMorris	Haines & Company, Inc.
1985	TRUMPF FRED	Pacific Bell
1975	KLOKE B R	Pacific Telephone
1970	KLOKE B R	Pacific Telephone
1964	KLOKE B R	Pacific Telephone

444 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	BRUNOSJ	Haines & Company, Inc.
1995	Brunos J Restaurant	Pacific Bell
1985	BRUNO S J RESTAURANT	Pacific Bell
1975	AL SMITH S RESTAURANT	Pacific Telephone
1970	AL SMITH S RESTAURANT	Pacific Telephone
	SMITH S AL RESTAURANT	Pacific Telephone
	SMITH ALLEN	Pacific Telephone

445 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1995	Yamada Service Center	Pacific Bell
1990	YAMADA SERVICE CENTER GARDENA	Pacific Bell
1986	YAMADA SERVICE CENTER GARDENA	Pacific Bell
1980	ALL CRAFT MARKETING	Pacific Telephone
1976	All Craft Marketing	Pacific Telephone
1975	ALL CRAFT MARKETING	Pacific Telephone
1964	ITOW BETTIE	Pacific Telephone

446 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	NAKAHIRA T	Pacific Telephone

FINDINGS

330/ W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	BATCH Gregory	Haines & Company, Inc.

344 1/2 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	CRUZ CABINET	Pacific Telephone

346 1/2 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	CRUZ CABINET	Pacific Telephone

348 1/2 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	MAZZOLA DENNIS	Pacific Bell
1975	MAZZOLA DENNIS	Pacific Telephone
1964	MCERIN PATRICK	Pacific Telephone

425 1/2 W GARDENA BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	DONATE INES	Pacific Bell
1970	SANCHEZ RAMON B	Pacific Telephone

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

<u>Address Researched</u>	<u>Address Not Identified in Research Source</u>
128 W Gardena Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
128 W Gardena Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
132 W Gardena Blvd	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
132 W Gardena Blvd	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
134 W Gardena Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
134 W Gardena Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
140 W Gardena Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
140 W Gardena Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
144 W Gardena Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched

445 W 164TH ST

445 W GARDENA BLVD

446 W GARDENA BLVD

Address Not Identified in Research Source

2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1985, 1981, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched

333 West Gardena

Address Not Identified in Research Source

2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920



**Continued Phase II Environmental
Site Assessment Report**

317 to 353 West Gardena Boulevard
Carson, California
Stantec PN: 185803951

October 30, 2019

Prepared for:

CTR Realty Investors
Clarion Partners Acquisitions, LLC
4343 Von Karman Avenue, Suite 200
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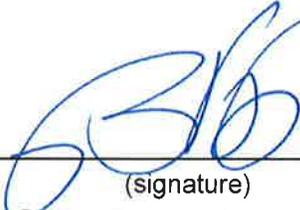
Stantec Consulting Services Inc.
735 East Carnegie Drive, Suite 280
San Bernardino, CA 92408



CONTINUED PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

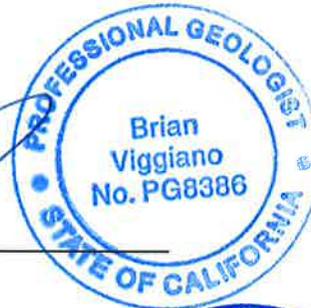
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Prepared by _____



(signature)

Brian Viggiano, PG, Senior Geologist



Approved by _____



(signature)

Kyle Emerson, CEG, Managing Principal Geologist

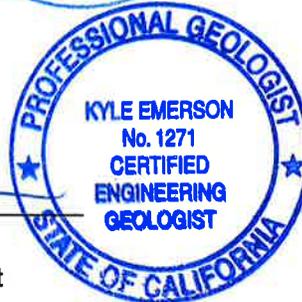


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1.0 INTRODUCTION

1.1 SITE DESCRIPTION

The Property consists of approximately 6.78 acres of land developed with two residential structures (317 and 325 West Gardena Boulevard), a salvage yard, and a fenced vacant lot used for storage of miscellaneous household items (353 West Gardena Boulevard). The Property has a mailing address within the city of Gardena; however, the actual location of the Property is within the city of Carson. Surrounding properties are a mix of commercial and light industrial uses.

1.2 GEOLOGY

The Property is located in the Los Angeles Basin within the Peninsular Ranges Geomorphic Province of southern California, which includes northwest-southeast trending series of mountainous ridges and peaks that have been developed by the San Andreas Fault System (California Division of Mines and Geology [CDMG], 1969). The stratigraphy underlying the Property consists primarily of recent-age marine and non-marine clastic rock units interbedded with alluvium sediments (CDMG, 1969).

Part of the central sub-basin of the coastal plain, the regional geology is shaped by local geological fault systems creating associated folded rocks and uplifts. According to official maps of California, the Property is not located within an Alquist-Priolo (AP) Earthquake Fault Zone boundary nor within a liquefaction zone (DOGGR, 2018).

According to a January 17, 2019 *Supplemental Characterization Report* prepared by Braun Intertec for the CPI Carson Facility located approximately 230 feet to the west, surface sediments are comprised of unconsolidated marine and continental gravel, sand, sandy silt, silt, clay and shale pebbles. Lakewood Formation sediments reportedly extend 70 to 90 feet below ground surface (bgs).

1.3 HYDROGEOLOGY

The Property is located within the West Coast sub-basin of the Coastal Plain of Los Angeles Basin, which underlies most of the area between the Dominguez gap of the Los Angeles River to the Alamitos gap of the San Gabriel River to the San Pedro Bay. The basin is constrained by the Ballona Escarpment to the north, Newport-Inglewood fault zone to the east, and the Pacific Ocean and consolidated rocks on the south and west (Department of Water Resources [DWR], 2004). The basin consists of alluvial sediments and marine water-bearing sediments (DWR, 2004).

According to a January 17, 2019 *Supplemental Characterization Report* prepared by Braun Intertec for the CPI Carson Facility located approximately 230 feet to the west, groundwater in the vicinity is reported at a depth of approximately 40 to 42 feet bgs with a groundwater flow direction for the area to be to the east-



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southeast. Groundwater was encountered at approximately 41 feet bgs in soil boring MW-1 drilled during this investigation.



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2.0 BACKGROUND

Stantec previously completed a draft Phase I Environmental Site Assessment (ESA) for the Site, dated July 1, 2019. The ESA identified the following recognized environmental conditions (RECs) in connection with the Property:

- **Historical Agricultural Use.** Stantec's interpretation of historical aerial photographs shows the Property as agricultural land (*i.e.*, trees or planted crops) until circa 1940. Historic agricultural use can be a potential concern due to the possible use of pesticides and herbicides containing heavy metals. Accordingly, Stantec recommended shallow soil samples be collected across the Site to evaluate whether pesticides or the heavy metals arsenic or lead exist in soil above published screening levels.
- **Historical Salvage Yard.** The Site has historically operated as a salvage yard and miscellaneous equipment, automobiles, and various "junk" materials are observed throughout the Site. While no dismantling, maintenance or salvaging operations are currently observed at the Site, these types of operations may have historically been conducted at the Site. As a result, Stantec recommended a subsurface investigation to screen shallow Site soils for petroleum, volatile organic compounds (VOCs) and metals.
- **Former ANCO Facility.** The ANCO facility to the west and directly up gradient of the Property has a known release of various VOCs to the soil and groundwater. This impact has migrated in groundwater below the Property and potentially in the overlying soil in the vapor phase. The existing groundwater and soil-vapor impacts beneath the subsurface of the Property and surrounding vicinity are considered a REC to the Property. Groundwater monitoring and remediation activities are currently ongoing and overseen by the Los Angeles Regional Water Quality Control Board (Regional Board). No further assessment of groundwater is recommended; however, there is a potential vapor intrusion concern and redevelopment of the Property may require vapor intrusion mitigation measures. Therefore, Stantec recommends evaluation of soil vapor beneath the Property to determine whether vapor intrusion mitigation measures will be necessary for Site redevelopment.

Based on the results of the Phase I ESA, Stantec recommended performing an investigation at the Property to address the identified RECs.

As result of the Phase I ESA findings, Stantec was retained to perform a Phase II ESA for the Property. The Phase II ESA was conducted between July 15 and July 23, 2019 and included dividing the property into approximately 12 equal area grids and placing a soil boring in the center of each grid to screen the Site for potential impacts to the Property. At each boring location (SB-1 through SB-12) soil samples were collected at depths of one, three, five and subsequent five-foot intervals to the total explored depth of up to 30 feet below ground surface (bgs). Shallow soil samples were collected at one and three feet bgs and analyzed for the presence of total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), Title



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Background

22 metals, and pesticides following appropriate EPA Test methods to screen the Site for surficial releases from historical Site usages, including agricultural usage.

Following completion of each boring, the boreholes were converted to soil vapor monitoring points with probes set at depths of approximately five, 15 and 25 or 30 feet bgs depending on the terminal depth of the boring. A minimum of 48-hours following installation of the soil vapor probes, the soil vapor samples were collected in accordance with DTSC (2015) guidance and analyzed for VOCs following EPA method 8260B.

Based on the results of the completed investigation, Stantec notes the following:

Field Observations:

- Soils encountered in soil borings generally consisted of variable sand and sand-silt mixtures with occasional thin silt/clay interbeds to approximately 30 feet below ground surface (bgs). Below approximately 15 feet bgs, coarser grained intervals were commonly encountered. Refusal at 25 feet bgs was encountered at soil borings SB-4 and SB-5 and limited to no recovery was encountered below 15-20 feet bgs at several boring locations because the sample liners would bind up and jam the sampler. Boring Logs depicting the encountered lithology are included in **Appendix B**.
- PID readings were 0.0 parts per million by volume (ppmV) in all field screened samples.

Soil Vapor Analytical Results:

Soil vapor analytical results are summarized on **Table 1**. PCE, TCE, benzene, toluene ethylbenzene and total xylene results are presented on **Figure 2**. The following bullets summarize the results:

- Tetrachloroethene (PCE) was reported in soil vapor samples analyzed from borings SB-9, SB-11 and SB-12, located in the southwest corner of the Property, at concentrations ranging from 60 to 11,000 ug/m³, with the highest concentration reported in sample SB-12-30. At each of the three referenced boring locations, concentrations were lowest in the sample collected at five feet bgs and were higher in samples collected at depth. With the exception of sample SB-9-5, all soil vapor samples collected at these three boring locations reported concentrations of PCE in excess of the commercial DTSC HERO Note 3 modified indoor air screening level (MIASL) of 66.7 ug/m³, using a default attenuation factor of 0.03.
- Trichloroethene (TCE) was reported in one sample (SB-12-30) at a concentration of 100 ug/m³. The reported concentration is equal to the commercial DTSC HERO Note 3 MIASL (0.03 attenuation factor). TCE was not reported in any other analyzed samples above laboratory reporting limits.
- Benzene was reported in boring SB-11 (five-foot sample) and SB-12 (five and ten-foot samples) at concentrations ranging from 50 ug/m³ up to 80 ug/m³. The reported concentrations exceed the commercial DTSC HERO Note 3 MIASL (0.03 attenuation factor) of 14 ug/m³.



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- Ethylbenzene was reported in soil vapor samples collected from soil borings SB-9, SB-11 and SB-12 at concentrations ranging from non-detect (ND) < 15 ug/m³ up to 470 ug/m³, with the highest concentration reported in sample SB-12-5. Ethylbenzene exceeded the commercial DTSC HERO Note 3 MIASL of 163 ug/m³ in one sample (SB-12-5).
- Various concentrations of other VOCs: including isopropylbenzene, 4-isopropyltoluene, toluene, trichlorofluoromethane, xylenes, n-propylbenzene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, sec-butylbenzene, n-propylbenzene and trans-1,2-DCE were reported at sporadic low concentrations, below commercial DTSC HERO Note 3 MIASLs, where established.

Soil Analytical Results:

- TPH in the diesel range (DRO) and oil range (ORO) were reported in shallow soil samples collected from soil borings (SB-3, SB-5, SB-6, SB-8, SB-9 and SB-11). DRO concentrations ranged from non-detect up to 4,600 mg/Kg, with the highest concentrations reported in sample SB-5-1. ORO concentrations ranged from non-detect up to 9,900 mg/Kg, with the highest concentration reported in sample SB-5-1. Reported concentrations of DRO in samples SB-3-1, SB-5-1, and SB-9-1 exceed the USEPA Region 9 Regional Screening Level (RSL) of 440 mg/Kg (aliphatic medium) and samples SB-5-1 and SB-9-1 exceed the Los Angeles Regional Water Quality Control Board (LARWQCB) screening level for protection of groundwater of 1,000 mg/Kg, based on a distance above groundwater of 20-150 feet. Reported concentrations of DRO in sample SB-5-1 exceed the San Francisco Bay Regional Water Quality Control Board (SFBRWB) commercial industrial environmental screening level (ESL) of 1,400 mg/Kg and samples SB-3-1, SB-5-1, and SB-9-1 exceed the Tier 1 ESL of 260 mg/Kg. Reported concentrations of ORO in samples SB-3-1, SB-5-1 and SB-9-1 exceed the Tier 1 ESL of 1,600 mg/Kg. At all boring locations where TPH was reported, the concentrations were highest in the sample collected at one-foot and decreased to *de minimis* concentrations in the samples analyzed at 3-foot bgs, indicating that the reported TPH impacts were limited to shallow surficial impacts.
- Title 22 metals concentrations were reported in all analyzed samples at levels consistent with background and/ or below regulatory screening levels for commercial use.
- Trace concentrations of the pesticides 4,4'-DDE, 4,4'-DDT, alpha chlordane, chlordane, dieldrin and gamma chlordane, were reported sporadically in analyzed samples. All reported concentrations are well below regulatory screening levels for commercial use.

The results of the completed investigations identified the presence of shallow petroleum impacts at various locations across the Site. The impacts are limited to less than the upper three feet of soil; however, the impacts are laterally undefined. These areas of TPH soil impact will require excavation and off-Site disposal. Given the Site usage, it is likely that similarly impacted soil may be identified at other locations during Site grading and construction. As a result, Stantec recommended that a soil management plan (SMP) be developed to provide procedures, methodologies and reporting requirements should any additional unknown impacts be identified during Site demolition, grading and construction.



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Background

Soil vapor concentrations in excess of regulatory screening levels for commercial uses were identified in soil borings drilled in the southwestern portions of the Site (soil borings SB-9, SB-11 and SB-12). The impacts identified in these locations are likely sourced from contaminated groundwater that flows beneath the Site from the former ANCO Metal Improvement facility located on the adjacent western property. Monitoring and remediation of the groundwater contamination is ongoing and under the oversight of the Regional Board. The groundwater remediation system requires the operation of several groundwater extraction wells, monitoring wells, lateral piping and electrical conduit and connections that will need to be abandoned and re-located during Site development activities. Coordination with the ANCO, the responsible party, and their remediation contractor will be required to determine a viable replacement remediation and monitoring program.

Based on the soil vapor results, a vapor mitigation system (e.g., vapor barriers) will be required for any structure constructed in the southwestern portion of the Site. The vapor mitigation system should be designed by a licensed engineer and designed to mitigate the contaminants identified at the Site. The design engineer should also provide oversight of the installation of the vapor mitigation system to ensure that it is installed to the design specifications.

Following completion of the Phase II Investigations, a meeting was held at the Los Angeles Regional Water Quality Control Board (Regional Board) on August 20th, 2019 with Stantec and the Client to discuss the collected Site data and future site development plans. Upon review of the data, the Regional Board expressed concern that a potential source of VOC impact may be present in the southwest corner of the property, where elevated concentrations were reported in the previous assessment. As a result of those discussions, Stantec was retained by the Client to further investigate soil, soil vapor and groundwater in the southwest corner of the property. The remainder of this report summarizes the completed additional investigations.



3.0 FIELD INVESTIGATION

3.1 SCOPE OF WORK

The Scope of Work conducted during this investigation was conducted in accordance with Stantec's *Revised Proposal for Phase II Subsurface Environmental Site Assessment*, dated July 17, 2019. The completed scope of work consisted of the following general elements:

- Mark Site at least 48 hours in advance of drilling and notification to Underground Service Alert (USA) to clear public utility lines;
- Update of a Site-specific health and safety plan;
- Obtain a well installation permit for the installation of one groundwater monitoring well (MW-1) from the Los Angeles County Department of Environmental Health;
- Drill and install six (6) soil borings (SB-13 through SB-18) at the locations depicted on **Figure 2** to 30 feet below ground surface (bgs) to collect soil samples at depths of one, three, five and subsequent five-foot intervals for field screening with a photoionization device (PID), lithologic description and potential chemical analysis.
- Convert soil borings SB-13 through SB-18 to soil vapor monitoring points with probes set at five, 15 and 30 feet bgs;
- Analyze shallow soil samples collected at one and three feet bgs for the presence of total petroleum hydrocarbons (TPH) following modified EPA method 8015b, and samples collected at five-foot intervals between 5 and 30 feet bgs for volatile organic compounds (VOCs) following EPA method 8260B.
- Collect and analyze soil vapor from all installed soil vapor probes SB-13 through SB-18 for VOCs following EPA method 8260B using a mobile laboratory in accordance with DTSC guidance.
- Prepare a report that summarizes the results and methodologies of the completed investigation.

3.2 DEVIATIONS FROM THE SCOPE OF WORK

No significant deviations from the proposed scope of work were encountered during the completion of the investigation.



4.0 FIELD INVESTIGATION

4.1 PRE-DRILLING ACTIVITIES

Prior to the commencement of fieldwork activities, Stantec made the following preparations:

- Stantec obtained a well installation permit for proposed well MW-1 from the Los Angeles County Department of Environmental Health Drinking Water Program.
- In accordance with federal Occupational Safety and Health Administration (OSHA) regulations (29 CFR, Section 1910.120), Stantec developed a site-specific Health and Safety Plan (HASP) for the Property. All Stantec personnel and subcontractors associated with the project were required to be familiar with, and comply with, all provisions of the HASP.

4.2 INVESTIGATION

Stantec provided the services of a field geologist to supervise and direct all assessment activities performed during this investigation. All work was conducted under the direct supervision of a State of California registered professional. Borings locations are depicted on **Figure 2** and **Figure 3**. The following sections describe the field investigation methodologies and procedures.

4.2.1 Direct Push Sampling

Prior to drilling, the upper five feet of each boring was excavated with a hand auger to clear the boring for any shallow unknown utilities. Soil samples were collected at depths of approximately one and three feet bgs during hand auger procedures. Upon extraction of the auger bucket at the prescribed sampling depths, the soils contained therein were transferred into 4-ounce glass jars and labeled with the appropriate identification information (boring number, sample depth, sample collection date, and sample collection time). The samples were logged on a chain-of-custody form and placed in an ice-filled cooler for transport to the laboratory. Once the five-foot depth has been reached, the remainder of the boring was drilled using a direct push technology (DPT) drilling rig. During advancement, sampling of subsurface soils was performed in four-foot intervals starting at a depth of approximately five feet bgs. All of the direct push borings were advanced and sampled using a Geoprobe 6610DT rig equipped with 4-foot-long by 1.25-inch inner diameter sampler with clear PVC sample liners to the terminal depth of the borehole.

At each sampling interval, the sampler was driven into undisturbed soil using a hydraulic ram on the Geoprobe rig. Upon advancement of the sampler through the desired sampling depth interval, the sample liner was retrieved from the boring. The drilling and sampling sequence was then repeated for the entire depth of the boring.

The soils from each of the direct push borings were visually examined by Stantec field personnel who classified the soils in accordance with the unified soil classification system (USCS). A photo-ionization detector (PID) was used to monitor/field screen the soils collected. Field screening for volatile organic



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Field Investigation

compounds (VOCs) was achieved by removing the soil from the uppermost sample sleeve and placing it in a zip-lock type bag. A PID probe was inserted into the bag to monitor the headspace for VOC vapors.

4.2.2 Soil Vapor Probe Installation

At the completion of drilling, the soil bores were converted to multi-depth soil vapor monitoring points, with probes set at five, 15 and 30 feet bgs. Subsurface soil vapor probe installation was performed in accordance with the July 2015 Department of Toxic Substances Control (DTSC) "Advisory - Active Soil Gas Investigations" (DTSC Advisory).

Each sample probe was constructed with a 10-inch Penn-Plax sampling screen set at the prescribed sampling intervals. Each of the sampling screens was constructed with a permeable Penn-Plax vapor tip connected to 1/4 -inch diameter Nylaflow tubing that was lowered to the bottom of the borehole and backfilled with filter sand, until approximately 12-inches of filter pack was placed. A transition seal consisting of approximately 12-inches of dry bentonite was then placed above the filter pack, followed by an annular seal consisting of hydrated bentonite until the next sampling interval was reached. The sequence was then repeated to install the second monitoring point, if necessary, and/ or completely backfill the borehole. At the surface, the exposed nylon tubing was capped with tight fitting plastic endcaps and labeled to indicate sampling depth. After placement of the soil vapor sample probes between September 23 and September 24, 2019, subsurface conditions were allowed to equilibrate a minimum of 48-hours prior to leak testing and sample collection occurred on September 27, 2019.

4.2.3 Soil Vapor Sampling

Soil vapor samples were collected on September 27, 2019 in accordance with the methods and procedures outlined by the DTSC and CalEPA Advisory – Active Soil Gas Investigations, dated July 2015, a minimum of 48-hours after installation - in order to allow for equilibration.

Prior to sampling, a shut-in test was conducted on the sampling train to insure all connections and fittings were airtight. The shut-in test was performed on the sampling train by applying a vacuum of 100 inches of water to the sampling train and monitoring magnehelic gauges for a pressure drop for one minute. If loss of vacuum was observed, the fittings were adjusted as needed until no vacuum loss was observed during subsequent shut-in tests.

After the sampling equipment passed the shut-in test, the probes were purged to remove internal air from the sample train (calculated from the internal volume of the tubing and probe tip); the void space of the sand pack around the probe tip; and the void space of the dry bentonite (in the annular space). Three internal volumes were purged from each sampling location at a rate less than 200 ml/min.

Immediately following purging the internal volumes, the soil vapor samples were collected by the laboratory technician by connecting a glass syringe to the sampling port with Teflon® or Nylaflow® tubing. A tracer compound Isopropanol was placed above the surface seal and along the sampling train to evaluate the integrity of the seal. No tracer compounds were detected in the soil vapor samples collected during this investigation.



CONTINUED PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

Field Investigation

4.2.4 Groundwater Monitoring Well Installation and Grab Sampling

On September 26, 2019, groundwater monitoring well MW-1 was installed at the approximate location depicted on Figure 2. The well was installed by first drilling an 8-inch diameter borehole to approximately 10 feet below first encountered groundwater using a hollow stem auger (HSA) drill rig. Soil samples were collected at approximate five-foot intervals for soil stratigraphy, onsite qualitative analysis for the presence of contamination (i.e. field screened using a PID), and laboratory analysis of VOCs following EPA method 8260B. Soils encountered within the boreholes described in accordance with the Unified Soil Classification System (USCS) by Stantec field staff under the direction of a California Professional Geologist. Soil samples were collected in brass/stainless steel liners using a split-spoon sampler driven at approximate five-foot intervals. The soil samples were then placed on ice, transported to a California state-certified laboratory under chain-of-custody protocol, and analyzed for the presence of VOCs following EPA method 8260B.

Following the completion of drilling, the wellbore was converted to a groundwater monitoring well. The wells were constructed with 2-inch diameter schedule 40 poly vinyl chloride (PVC) casing and a 0.010-inch factory slotted screen interval that will extend approximately 10 feet below the water table and at least five feet above the water table. The annular space was filled with #2/12 sand to a depth of one foot above the screen interval, a three-foot bentonite seal was then placed above the sand filter pack, followed by neat cement-bentonite (<5% by weight) grout above the annular seal to one-foot below grade. The well was then completed at the surface with a traffic-rated well box set in concrete and a threaded locking well cap. Well construction details are summarized on boring logs (**Appendix C**) and summarized on **Table 1**.

4.2.5 Grab Groundwater Sampling

Following installation of the well casing and the filter-pack, the well was pre-developed with a surge block and bailer to tighten the filter pack and purge approximately five-gallons of water from the casing. A grab sample was then collected from the well casing prior to setting the annular seal and introducing any potable water to the casing. Prior to sampling, the well was gauged with an electronic water level indicator and depth to water was measured at 40.92 feet below the top of the well casing.

Following bailing and gauging the well, a disposable bailer was used to sample water in the casing and the transferred to laboratory provided 40 ml volatile organic analysis (VOA) vials preserved with dilute hydrochloric acid (HCl), using a bottom emptying device to minimize volatilization. Samples were labeled, annotated on chain of custody sheets, stored in an ice-filled cooler and delivered to the laboratory for chemical analysis of VOCs following EPA test method 8260B

4.2.6 Decontamination and Waste Disposal

Prior to sampling, all drilling rods or augers were decontaminated using high pressure spray. All samplers and instruments that came in contact with sampled media were decontaminated in a non-phosphate scrub solution followed by a deionized water double rinse.



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Field Investigation

All soil cuttings, purge water and decontamination fluids and other potentially contaminated waste were contained in five DOT 55-gallon drums and appropriately labeled pending waste characterization, profiling and disposal.



5.0 LABORATORY SERVICES

All chemical analysis was performed at State of California Certified Laboratories. Collected soil and groundwater samples were analyzed at Advanced Technology Laboratories located in Signal Hill, California. Soil gas samples were analyzed by A & R Laboratories, Inc. (ARL) using an on-Site mobile laboratory. All samples were managed under strict chain-of-custody. The results are discussed below and presented on **Tables 1-5**. Complete laboratory reports, including QA/QC documentation is included in **Appendix A**.



6.0 INVESTIGATION RESULTS

6.1 FIELD OBSERVATIONS

- Soils encountered in soil borings generally consisted of variable sand and sand-silt mixtures with occasional thin silt/clay interbeds to approximately 30 feet below ground surface (bgs). Below approximately 15 feet bgs, coarser grained intervals were commonly encountered. Boring Logs depicting the encountered lithology are included in **Appendix B**.
- PID readings were 0.0 parts per million by volume (ppmV) in all field screened samples.

6.2 SOIL VAPOR ANALYTICAL RESULTS

Soil vapor analytical results are summarized on **Table 1**. PCE, TCE, benzene, toluene, ethylbenzene and total xylene results are presented on **Figure 3**. The following bullets summarize the results:

- Tetrachloroethene (PCE) was reported in all analyzed soil vapor samples at concentrations ranging from 430 ug/m³ to 95,000 ug/m³, with the highest concentration reported in sample SB-14-30. With the exception of boring SB-15, where similar concentrations were reported at all depths, concentrations increased with depth at each boring location, with the lowest concentrations generally reported in the five-foot sample and the highest concentration reported in the 30-foot sample. The reported concentrations exceed the DTSC Human and Ecological Risk Office (HERO) Note 3 modified indoor air screening (MIASL) based on an attenuation factor of 0.03 of 66.7 ug/m³ for commercial/ industrial properties.
- Trichloroethene (TCE) was reported in samples analyzed from soil borings SB-13, SB14 and SB-18 at concentrations ranging from 30 ug/m³ to 640 ug/m³, with the highest concentration reported in sample SB-14-30. At all three boring locations, concentrations increased with depth with highest concentrations reported in the samples collected at 30 feet bgs. Sample SB-14-30 exceeded the TCE DTSC HERO Note 3 MIASL of 100 ug/m³ for commercial/ industrial properties.
- Trichloroflouromethane (Freon-11) was detected in samples collected between 15 and 30 feet bgs in borings SB-13 and SB-14 at concentrations ranging between 70 ug/m³ and 300ug/m³. Freon-11 was not reported in the samples collected and analyzed at five feet bgs from these two boring locations. Reported concentrations of trichlorofluoromethane did not exceed commercial/ industrial screening levels.
- No other VOCs were reported at or above laboratory reporting limits in analyzed samples.



CONTINUED PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

Investigation Results

6.3 SOIL ANALYTICAL RESULTS

Selected soil samples were analyzed for VOCs following EPA test method 8260B and for TPH following modified EPA test method 8015B. Soil sample analytical results are summarized on **Tables 2 – 4**. The following bullets summarize the results:

- PCE was reported in soil samples SB-13-25 and MW1-40 at a concentration of 9.7 ug/Kg in both samples. No other detections of VOCs were reported in analyzed samples. The reported concentrations are below DTSC HERO Note 3 and USEPA Region 9 regional screening levels (RSLs) for commercial industrial usage.
- TPH in the diesel range (DRO) and oil range (ORO) were reported in shallow one-foot samples from borings SB-16, SB-17 and SB-18 at concentrations up to 41 mg/kg and 140 mg/kg, respectively. At all boring locations where TPH was reported, the concentrations were limited to the one-foot samples and not reported in in samples collected and analyzed at three and five feet bgs, indicating that the reported TPH impacts were limited to shallow surficial impacts. In addition, where TPH was detected in shallow soils, no VOCs were detected. The reported concentrations are below typical regulatory screening levels.

6.4 GROUNDWATER ANALYTICAL RESULTS

A grab groundwater sample was collected and analyzed for VOCs following EPA Method 8260B. Groundwater analytical results are tabulated on **Table 5**. The following summarizes the groundwater analytical results.

- PCE was reported in groundwater collected and analyzed from well MW-1 at a concentration of 31 micrograms per liter (ug/L), in excess of the MCL of 5 ug/L.
- No other VOCs were reported above laboratory reporting limits.



CONTINUED PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

Summary of Findings

7.0 SUMMARY OF FINDINGS

The results of the completed investigation identified minor TPH concentrations in shallow soil at three locations (SB-16, SB-17 and SB-18). At all three locations, the reported TPH concentrations were limited to the one-foot sample and were not detected in the samples collected at three and five feet bgs. The reported TPH soil concentrations are below concentrations that require cleanup based on continued usage of the Site for commercial/ industrial usage.

However, based on previous assessment at other portions of the Property where shallow TPH concentrations are likely to require excavation and off-Site disposal, other small areas of shallow soil TPH impacts that require remediation may be encountered during Site development activities. As a result, Stantec continues to recommend that a soil management plan (SMP) be developed to provide procedures, methodologies and reporting requirements in the event that any additional unknown impacts are identified during Site demolition, grading and construction.

Analysis of soil samples for VOCs reported only two trace detections of PCE in the 44 analyzed samples. Both detections were reported at a concentration of 9.7 ug/Kg in soil samples collected at 25 and 40 feet bgs, respectively. These data do not indicate the presence of a source of PCE in soil.

Soil vapor concentrations in excess of regulatory screening levels for commercial use were identified in all borings. The absence of any identified soil impacts and the general trend of increasing concentrations with depth indicate that the source of the soil vapor impacts is likely contaminated groundwater from the former ANCO Metal Improvement facility located on the adjacent property to the northwest. Furthermore, when compared to estimated groundwater iso-concentration contours reported by Leymaster Environmental Consulting (2019) in its First Half 2019 Groundwater Monitoring and Groundwater/ Soil-Vapor Extraction Systems Operation Report, the locations at which the highest vapor concentrations were identified at the Property correspond to the general locations at which the highest C-zone groundwater concentrations were identified, which indicates that groundwater contamination from the ANCO facility is the likely source of the soil vapor impacts at the Property. Furthermore, groundwater PCE concentrations exceeded 900 ug/l in well MW-9, which is located in the southwest portion of the Site and screened from approximately 75 to 90 feet below ground surface (bgs), indicating significant PCE mass is present in groundwater beneath the Property. It is unknown whether higher groundwater concentrations are present at this depth interval in an upgradient direction or at the ANCO facility because no wells are installed at this depth at the ANCO facility or in locations between ANCO and well MW-9C. If left untreated, the potential presence of additional source mass upgradient of the Site or at the ANCO facility may result in continued elevated concentrations at the Site. Monitoring and remediation of the groundwater contamination from the ANCO facility is ongoing and under the oversight of the Regional Board. Stantec identified no evidence of an on-site source of groundwater impacts at the Property.

Based on the soil vapor results, vapor mitigation (e.g., vapor barriers) will be required for any structure constructed in the southwestern portion of the Site. The vapor mitigation system should be designed by a



CONTINUED PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

Summary of Findings

licensed engineer and designed to mitigate the contaminants identified at the Site. The design engineer should also provide oversight of the installation of the vapor mitigation system to ensure that it is installed to the design specifications.

Monitoring and remediation of impacted groundwater is currently being conducted on-Site by ANCO under the oversight of the Regional Board. Continued monitoring and operation of the remediation system is required by the Regional Board. As a result, during redevelopment of the Site, consideration should be given to the relocation and potential expansion of the remediation equipment and the monitoring well network maintained and operated by ANCO. Stantec recommends that the findings of this investigation be provided to the Regional Board.



TABLES

**TABLE 1
SUMMARY OF SOIL VAPOR VOC ANALYTICAL RESULTS
EPA Method 8260B**

Sample ID	Sample Date	Volatile Organic Compounds (ug/m ³)														
		Benzene	Isopropyl benzene	4-Isopropyltoluene	Trichloroethene (TCE)	Toluene	Tetrachloroethene (PCE)	Trichlorofluoromethane (Freon-11)	Ethylbenzene	Total Xylenes	n-Propylbenzene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene	sec-butylbenzene	p-Isopropyltoluene	Other VOCs
DTSC HERO Note 3 MIASL (0.03 Attenuation Factor) ⁽¹⁾		14.0	NE	NE	NE	43,333	66.7	176,667	NE	NE	NE	NE	NE	60,000	NE	varies
US EPA Region 9 MIASL (0.03 Attenuation Factor) ⁽²⁾		53	NE	NE	100	733,333	1,567	NE	163	14,667	NE	8,667	8,667	NE	NE	varies
SB-1-5'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-1-14'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-1-30'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-2-5'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	80	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-2-14'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	80	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-2-30'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-3-5'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	80	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-3-15'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-3-30'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-4-5'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-4-15'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-4-25'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-5-5'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-5-15'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-5-25'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-6-5'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-6-5'DUP	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-6-15'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-6-30'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-7-5'	7/22/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	80	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-7-15'	7/22/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-7-30'	7/22/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-8-5'	7/22/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-8-15'	7/22/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	80	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-8-30'	7/22/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	80	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-9-5'	7/22/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	60	ND<15.0	50	80	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-9-15'	7/22/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	80	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-9-30'	7/22/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	100	ND<15.0	50	80	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-10-5'	7/22/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-10-5'DUP	7/22/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-10-15'	7/22/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-10-30'	7/22/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various

**TABLE 1
SUMMARY OF SOIL VAPOR VOC ANALYTICAL RESULTS
EPA Method 8260B**

Sample ID	Sample Date	Volatile Organic Compounds (ug/m ³)														
		Benzene	Isopropyl benzene	4-Isopropyltoluene	Trichloroethene (TCE)	Toluene	Tetrachloroethene (PCE)	Trichlorofluoromethane (Freon-11)	Ethylbenzene	Total Xylenes	n-Propylbenzene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene	sec-butylbenzene	p-Isopropyltoluene	Other VOCs
DTSC HERO Note 3 MIASL (0.03 Attenuation Factor) ⁽¹⁾		14.0	NE	NE	NE	43,333	66.7	176,667	NE	NE	NE	NE	NE	60,000	NE	varies
US EPA Region 9 MIASL (0.03 Attenuation Factor) ⁽²⁾		53	NE	NE	100	733,333	1,567	NE	163	14,667	NE	8,667	8,667	NE	NE	varies
SB-11-5'	7/22/2019	60	ND<15.0	ND<15.0	ND<15.0	80	170	ND<15.0	60	110	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	trans-1,2-DCE: 30
SB-11-15'	7/22/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	1,800	40	50	90	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-11-30'	7/22/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	480	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-12-5'	7/22/2019	80	120	170	ND<15.0	360	150	ND<15.0	470	2160	140	100	220	130	166	ND<various
SB-12-15'	7/22/2019	50	ND<15.0	70	ND<15.0	ND<15.0	4,200	80	60	100	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-12-30'	7/22/2019	ND<10.8	ND<15.0	ND<15.0	100	ND<15.0	11,000	ND<15.0	ND<15.0	80	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-13-5	9/27/2019	ND<9.0	ND<12.5	ND<12.5	ND<12.5	ND<12.5	11,000	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<varies
SB-13-15	9/27/2019	ND<9.0	ND<12.5	ND<12.5	60	ND<12.5	39,000	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<varies
SB-13-30	9/27/2019	ND<9.0	ND<12.5	ND<12.5	380	ND<12.5	90,000	190	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<varies
SB-14-5	9/27/2019	ND<9.0	ND<12.5	ND<12.5	30	ND<12.5	22,000	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<varies
SB-14-15	9/27/2019	ND<9.0	ND<12.5	ND<12.5	230	ND<12.5	58,000	70	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<varies
SB-14-30	9/27/2019	ND<9.0	ND<12.5	ND<12.5	640	ND<12.5	95,000	300	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<varies
SB-15-5	9/27/2019	ND<46.8	ND<65	ND<65	ND<65	ND<65	6,300	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<varies
SB-15-15	9/27/2019	ND<46.8	ND<65	ND<65	ND<65	ND<65	4,300	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<varies
SB-15-30	9/27/2019	ND<46.8	ND<65	ND<65	ND<65	ND<65	5,300	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<varies
SB-16-5	9/27/2019	ND<46.8	ND<65	ND<65	ND<65	ND<65	990	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<varies
SB-16-15	9/27/2019	ND<46.8	ND<65	ND<65	ND<65	ND<65	1,500	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<varies
SB-16-30	9/27/2019	ND<46.8	ND<65	ND<65	ND<65	ND<65	15,000	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<varies
SB-17-5	9/27/2019	ND<18	ND<25	ND<25	ND<25	ND<25	980	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<varies
SB-17-15	9/27/2019	ND<18	ND<25	ND<25	ND<25	ND<25	5,600	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<varies
SB-17-30	9/27/2019	ND<18	ND<25	ND<25	ND<25	ND<25	11,000	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<varies
SB-18-5	9/27/2019	ND<18	ND<25	ND<25	ND<25	ND<25	430	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<varies
SB-18-15	9/27/2019	ND<18	ND<25	ND<25	ND<25	ND<25	11,000	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<varies
SB-18-30	9/27/2019	ND<18	ND<25	ND<25	50	ND<25	19,000	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<varies
SB-18-30 DUP	9/27/2019	ND<18	ND<25	ND<25	40 J	ND<25	20,000	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<varies

All reported concentrations reported in units of micrograms per cubic meter (ug/m³)

(1) Commercial/ Industrial DTSC HERO HHRA Note #3 (April 2019)

(2) Commercial Screening Level (SL) USEPA Region 9 Regional Screening Levels (RSL - April 2019)

ND< : Results reported below Method Detection Limit.

CalEPA - California Environmental Protection Agency

DTSC - Department of Toxic Substance Control

HERO - Human and Ecological Risk Office Human Health Risk Assessment

4,200 - red indicates screening level exceedance

TABLE 2
Summary of Soil TPH and VOC Results
EPA Method 8015B (TPH) 8260B (VOCs)

Sample ID	Sample Date	TPH (mg/Kg)			VOCs (ug/Kg)						
		GRO	DRO	ORO	PCE	TCE	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-xylenes
DTSC HERO Note 3 - Commercial Soil		NE	NE	NE	2,700	NE	1,400	5,300,000	NE	NE	NE
USEPA Region 9 RSL - Industrial Soil		420	440	33,000	100,000	6,000	5,100.0	47,000,000	25,000	4,800,000	2,800,000
SB-1-1	7/18/2019	ND<20	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-1-3	7/18/2019	ND<20	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-2-1	7/18/2019	ND<20	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-2-3	7/18/2019	ND<20	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-3-1	7/18/2019	ND<20	680	2,700	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-3-3	7/18/2019	ND<20	63	240	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-4-1	7/18/2019	ND<20	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-4-3	7/18/2019	ND<20	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-5-1	7/18/2019	ND<20	4,600	9,900	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-5-3	7/18/2019	ND<20	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-6-1	7/18/2019	ND<20	82	160	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-6-3	7/18/2019	ND<20	26	12	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-7-1	7/19/2019	ND<20	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-7-3	7/19/2019	ND<20	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-8-1	7/19/2019	ND<20	67	240	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-8-3	7/19/2019	ND<20	67	180	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-9-1	7/19/2019	ND<20	1,100	5,000	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-9-3	7/19/2019	ND<20	34	48	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-10-1	7/19/2019	ND<20	14	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-10-3	7/19/2019	ND<20	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-11-1	7/19/2019	ND<20	13	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-11-3	7/19/2019	ND<20	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-12-1	7/19/2019	ND<20	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-12-3	7/19/2019	ND<20	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-13-1	9/23/2019	ND<1	ND<10	ND<10	NA	NA	NA	NA	NA	NA	NA
SB-13-3	9/23/2019	ND<1	ND<10	15	NA	NA	NA	NA	NA	NA	NA
SB-13-5	9/23/2019	ND<1	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-13-10	9/23/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-13-15	9/23/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-13-20	9/23/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-13-25	9/23/2019	NA	NA	NA	9.7	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-13-30	9/23/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-14-1	9/23/2019	ND<1	ND<10	ND<10	NA	NA	NA	NA	NA	NA	NA
SB-14-3	9/23/2019	ND<1	ND<10	ND<10	NA	NA	NA	NA	NA	NA	NA

TABLE 2
Summary of Soil TPH and VOC Results
EPA Method 8015B (TPH) 8260B (VOCs)

Sample ID	Sample Date	TPH (mg/Kg)			VOCs (ug/Kg)						
		GRO	DRO	ORO	PCE	TCE	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-xylenes
DTSC HERO Note 3 - Commercial Soil		NE	NE	NE	2,700	NE	1,400	5,300,000	NE	NE	NE
USEPA Region 9 RSL - Industrial Soil		420	440	33,000	100,000	6,000	5,100.0	47,000,000	25,000	4,800,000	2,800,000
SB-14-5	9/23/2019	ND<1	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-14-10	9/23/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-14-15	9/23/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-14-20	9/23/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-14-25	9/23/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-14-30	9/23/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-15-1	9/23/2019	ND<1	ND<10	ND<10	NA	NA	NA	NA	NA	NA	NA
SB-15-3	9/23/2019	ND<1	ND<10	ND<10	NA	NA	NA	NA	NA	NA	NA
SB-15-5	9/23/2019	ND<1	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-15-10	9/23/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-15-15	9/23/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-15-20	9/23/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-15-25	9/23/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-15-30	9/23/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-16-1	9/23/2019	ND<1	33	88	NA	NA	NA	NA	NA	NA	NA
SB-16-3	9/23/2019	ND<1	ND<10	ND<10	NA	NA	NA	NA	NA	NA	NA
SB-16-5	9/23/2019	ND<1	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-16-10	9/23/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-16-15	9/23/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-16-20	9/23/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-16-25	9/23/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-16-30	9/23/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-17-1	9/23/2019	ND<1	13	29	NA	NA	NA	NA	NA	NA	NA
SB-17-3	9/23/2019	ND<1	ND<10	ND<10	NA	NA	NA	NA	NA	NA	NA
SB-17-5	9/23/2019	ND<1	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-17-10	9/23/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-17-15	9/23/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-17-20	9/23/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-17-25	9/23/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-17-30	9/23/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-18-1	9/23/2019	ND<1	41	140	NA	NA	NA	NA	NA	NA	NA
SB-18-3	9/23/2019	ND<1	ND<10	ND<10	NA	NA	NA	NA	NA	NA	NA
SB-18-5	9/23/2019	ND<1	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-18-10	9/23/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0

TABLE 2
Summary of Soil TPH and VOC Results
EPA Method 8015B (TPH) 8260B (VOCs)

Sample ID	Sample Date	TPH (mg/Kg)			VOCs (ug/Kg)						
		GRO	DRO	ORO	PCE	TCE	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-xylenes
<i>DTSC HERO Note 3 - Commercial Soil</i>		NE	NE	NE	2,700	NE	1,400	5,300,000	NE	NE	NE
<i>USEPA Region 9 RSL - Industrial Soil</i>		420	440	33,000	100,000	6,000	5,100.0	47,000,000	25,000	4,800,000	2,800,000
SB-18-15	9/23/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-18-20	9/23/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-18-25	9/23/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
SB-18-30	9/23/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
MW1-5	9/26/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
MW1-10	9/26/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
MW1-15	9/26/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
MW1-20	9/26/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
MW1-25	9/26/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
MW1-30	9/26/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
MW1-35	9/26/2019	NA	NA	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0
MW1-40	9/26/2019	NA	NA	NA	9.7	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0

Notes: (1) Commercial/ Industrial DTSC HERO HHRA Note #3 (April 2019)
(2) Commercial Screening Level (SL) USEPA Region 9 Regional Screening Levels (RSL - April 2019)
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram
TPH - Total Petroleum Hydrocarbons
GRO - Gasoline Range Organics
DRO - Diesel Range Organics
ORO - Oil Range Organics
VOCs - Volatile Organic Compounds

4,600 Red indicates Screening level exceedance

**Table 3 - Summary of Soil Title 22 Metals Concentrations
EPA Methods 6010B and 7471A (Mercury)**

Sample ID	Sample Date	Title 22 Metals (mg/Kg)																
		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
DTSC HERO Note 3 - Commercial Soil (mg/Kg)		NE	0.36	NE	230	780	NE	NE	NE	320	NE	11,000	NE	NE	NE	NE	NE	4.4
California Background Levels Range (mg/Kg)		0.15-19.5	0.6-11.0	133-1400	0.25-2.7	0.05-1.7	23-1,579	2.7-46-9	9.1-66.4	12.4-97.1	0.1-9.6	9.0-509	0.015-0.43	0.1-8.3	0.17-1.10	39-288	88-236	0.1-0.9
SB-1-1	7/18/2019	ND<2.0	ND<1.0	99	ND<1.0	ND<1.0	13	9.1	14	3.5	ND<1.0	9.3	ND<1.0	ND<1.0	ND<1.0	29	32	ND<0.10
SB-1-3	7/18/2019	ND<2.0	1.6	140	ND<1.0	ND<1.0	21	11	13	2.4	ND<1.0	14	ND<1.0	ND<1.0	ND<1.0	49	42	ND<0.10
SB-2-1	7/18/2019	ND<2.0	ND<1.0	78	ND<1.0	ND<1.0	14	7.2	23	11	ND<1.0	8.3	ND<1.0	ND<1.0	ND<1.0	26	110	ND<0.10
SB-2-3	7/18/2019	ND<2.0	1.5	100	ND<1.0	ND<1.0	18	11	12	2.1	ND<1.0	10	ND<1.0	ND<1.0	ND<1.0	43	39	ND<0.10
SB-3-1	7/18/2019	ND<2.0	ND<1.0	79	ND<1.0	ND<1.0	12	7.9	16	5.5	ND<1.0	8.5	ND<1.0	ND<1.0	ND<1.0	26	64	ND<0.10
SB-3-3	7/18/2019	ND<2.0	ND<1.0	82	ND<1.0	ND<1.0	12	8.7	11	2	ND<1.0	8.5	ND<1.0	ND<1.0	ND<1.0	28	27	ND<0.10
SB-4-1	7/18/2019	ND<2.0	ND<1.0	78	ND<1.0	ND<1.0	12	7.3	10	2.5	ND<1.0	7.7	ND<1.0	ND<1.0	ND<1.0	26	28	0.16
SB-4-3	7/18/2019	ND<2.0	ND<1.0	77	ND<1.0	ND<1.0	13	7.6	9.8	2.7	ND<1.0	8.4	ND<1.0	ND<1.0	ND<1.0	29	29	ND<0.10
SB-5-1	7/18/2019	ND<2.0	ND<1.0	72	ND<1.0	ND<1.0	12	7.2	19	2.8	ND<1.0	8.1	ND<1.0	ND<1.0	ND<1.0	27	39	ND<0.10
SB-5-3	7/18/2019	ND<2.0	ND<1.0	84	ND<1.0	ND<1.0	14	7.9	9.8	2.1	ND<1.0	9.1	ND<1.0	ND<1.0	ND<1.0	32	32	ND<0.10
SB-6-1	7/18/2019	ND<2.0	ND<1.0	82	ND<1.0	ND<1.0	15	8	23	12	ND<1.0	10	ND<1.0	ND<1.0	ND<1.0	29	75	ND<0.10
SB-6-3	7/18/2019	ND<2.0	ND<1.0	91	ND<1.0	ND<1.0	13	8.2	12	33	ND<1.0	8.2	ND<1.0	ND<1.0	ND<1.0	28	33	ND<0.10
SB-7-1	7/19/2019	ND<2.0	1.3	100	ND<1.0	ND<1.0	7.9	3.7	9.5	22	ND<1.0	5.7	ND<1.0	ND<1.0	ND<1.0	15	170	ND<0.10
SB-7-3	7/19/2019	ND<2.0	ND<1.0	48	ND<1.0	ND<1.0	8.4	5	5.9	1.3	ND<1.0	5.2	ND<1.0	ND<1.0	ND<1.0	20	22	ND<0.10
SB-8-1	7/19/2019	ND<2.0	ND<1.0	60	ND<1.0	ND<1.0	8.4	4.9	7.4	1.5	ND<1.0	5.4	ND<1.0	ND<1.0	ND<1.0	19	24	ND<0.10
SB-8-3	7/19/2019	ND<2.0	ND<1.0	60	ND<1.0	ND<1.0	8.7	4.9	7.2	2.3	ND<1.0	5.5	ND<1.0	ND<1.0	ND<1.0	19	24	ND<0.10
SB-9-1	7/19/2019	ND<2.0	1.3	57	ND<1.0	ND<1.0	8.0	4.7	11	12	ND<1.0	7.2	ND<1.0	ND<1.0	ND<1.0	18	29	ND<0.10
SB-9-3	7/19/2019	ND<2.0	ND<1.0	66	ND<1.0	ND<1.0	9.2	5.4	8.0	1.3	ND<1.0	6.0	ND<1.0	ND<1.0	ND<1.0	20	23	ND<0.10
SB-10-1	7/19/2019	ND<2.0	ND<1.0	93	ND<1.0	ND<1.0	13	7.7	11	2.3	ND<1.0	7.8	ND<1.0	ND<1.0	ND<1.0	28	30	ND<0.10
SB-10-3	7/19/2019	ND<2.0	ND<1.0	71	ND<1.0	ND<1.0	12	6.5	6.9	1.3	ND<1.0	7.8	ND<1.0	ND<1.0	ND<1.0	26	28	ND<0.10
SB-11-1	7/19/2019	ND<2.0	ND<1.0	63	ND<1.0	ND<1.0	8.6	5.2	8.2	2.7	ND<1.0	6.1	ND<1.0	ND<1.0	ND<1.0	18	65	ND<0.10
SB-11-3	7/19/2019	ND<2.0	ND<1.0	55	ND<1.0	ND<1.0	9.1	5.5	6.8	1.3	ND<1.0	5.7	ND<1.0	ND<1.0	ND<1.0	21	23	ND<0.10
SB-12-1	7/19/2019	ND<2.0	1.8	90	ND<1.0	ND<1.0	14	4.8	20	41	ND<1.0	8.7	ND<1.0	ND<1.0	ND<1.0	17	110	ND<0.10
SB-12-3	7/19/2019	ND<2.0	ND<1.0	60	ND<1.0	ND<1.0	10	6.3	9.1	2.5	ND<1.0	6.5	ND<1.0	ND<1.0	ND<1.0	21	30	ND<0.10

Notes: (1) Commercial/ Industrial DTSC HERO HHRA Note #3 (April 2019)
(2) Commercial Screening Level (SL) USEPA Region 9 Regional Screening Levels (RSL - April 2019)
mg/Kg - milligrams per kilogram
ND<2.0 - Not detected above stated laboratory reporting limit

**Table 4 - Summary of Soil Pesticide Results
EPA Method 8081A**

Sample ID	Sample Date	Sample Depth	Organochlorine Pesticides (mg/Kg)						
			4,4'-DDD	4,4'-DDE	4,4'-DDT	Alpha Chlordane	Chlordane	Dieldrin	Gamma Chlordane
<i>DTSC HERO Note 3 - Commercial Soil</i>			6,200	9,300	7,100	NE	6,100	93	NE
<i>USEPA Region 9 RSL - Industrial Soil</i>			9,600	9,300	8,500	NE	7,700	140	NE
SB-1-1	7/18/2019	1	ND<2.0	3.4	ND<2.0	ND<1.0	ND<8.5	ND<2.0	ND<1.0
SB-1-3	7/18/2019	3	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<8.5	ND<2.0	ND<1.0
SB-2-1	7/18/2019	1	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<8.5	ND<2.0	ND<1.0
SB-2-3	7/18/2019	3	ND<4.0	ND<4.0	ND<4.0	ND<1.0	ND<8.5	ND<2.0	ND<1.0
SB-3-1	7/18/2019	1	ND<2.0	ND<2.0	ND<2.0	8.2	57	7.6	6.8
SB-3-3	7/18/2019	3	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<8.5	ND<2.0	ND<1.0
SB-4-1	7/18/2019	1	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<8.5	ND<2.0	ND<1.0
SB-4-3	7/18/2019	3	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<8.5	ND<2.0	ND<1.0
SB-5-1	7/18/2019	1	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<8.5	ND<2.0	ND<1.0
SB-5-3	7/18/2019	3	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<8.5	ND<2.0	ND<1.0
SB-6-1	7/18/2019	1	ND<2.0	ND<2.0	12	ND<1.0	ND<8.5	ND<2.0	ND<1.0
SB-6-3	7/18/2019	3	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<8.5	ND<2.0	ND<1.0
SB-7-1	7/19/2019	1	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<8.5	ND<2.0	ND<1.0
SB-7-3	7/19/2019	3	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<8.5	ND<2.0	ND<1.0
SB-8-1	7/19/2019	1	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<8.5	ND<2.0	ND<1.0
SB-8-3	7/19/2019	3	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<8.5	ND<2.0	ND<1.0
SB-9-1	7/19/2019	1	ND<20	ND<20	ND<20	ND<1.0	ND<85	ND<20	ND<10
SB-9-3	7/19/2019	3	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<8.5	ND<2.0	ND<1.0
SB-10-1	7/19/2019	1	ND<2.0	6.8	2.4	ND<1.0	ND<8.5	ND<2.0	ND<1.0
SB-10-3	7/19/2019	3	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<8.5	ND<2.0	ND<1.0
SB-11-1	7/19/2019	1	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<8.5	ND<2.0	ND<1.0
SB-11-3	7/19/2019	3	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<8.5	ND<2.0	ND<1.0
SB-12-1	7/19/2019	1	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<8.5	ND<2.0	ND<1.0
SB-12-3	7/19/2019	3	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<8.5	ND<2.0	ND<1.0

Notes: (1) Commercial/ Industrial DTSC HERO HHRA Note #3 (April 2019)
(2) Commercial Screening Level (SL) USEPA Region 9 Regional Screening Levels (RSL - April 2019)
mg/Kg - milligrams per kilogram
ND<2.0 - Not detected above stated laboratory reporting limit

TABLE 5
Summary of Groundwater VOC Results
EPA Method 8260B

Sample ID	Sample Date	VOCs (ug/L)						
		PCE	TCE	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-xylenes
MCL		5	5.0	1.0	150	300	NE	NE
MW-01	9/26/2019	31	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0

Notes: (1) Commercial/ Industrial DTSC HERO HHRA Note #3 (April 2019)

ug/L - micrograms per liter

PCE - tetrachloroethene

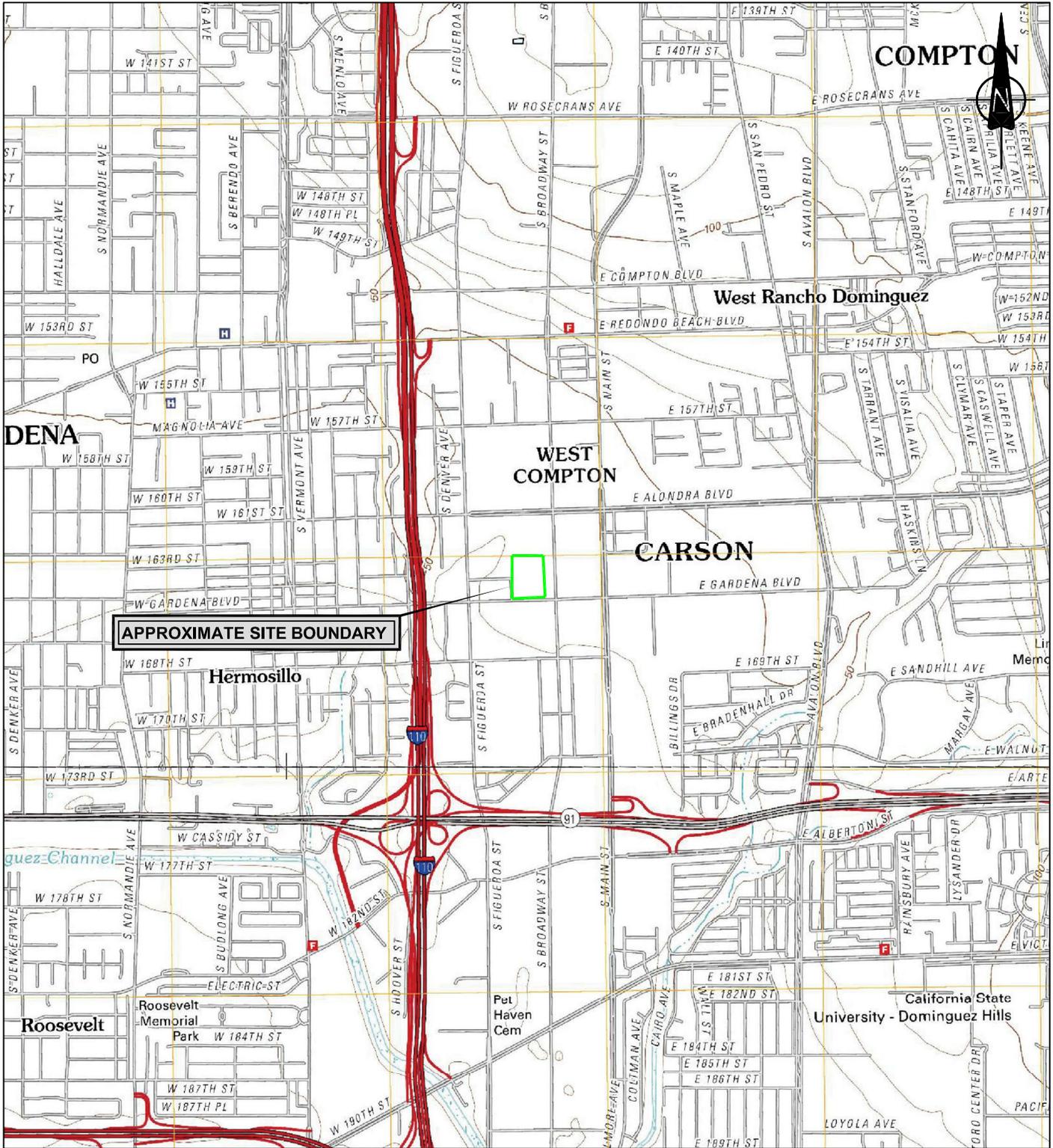
TCE - trichloroethene

VOCs - Volatile Organic Compounds

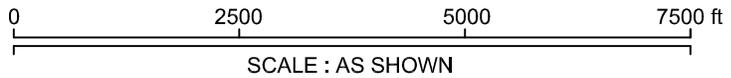
31

Red indicates maximum contaminant level (MCL) exceedance

FIGURES



APPROXIMATE SITE BOUNDARY



NOTE: THIS DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO A STANTEC SERVICES INC. REPORT AND MUST NOT BE USED FOR OTHER PURPOSES.

PROPERTY LOCATION MAP

PHASE I ESA
333 WEST GARDENA BOULEVARD, CARSON, CA

Project No.:	185804367
Scale:	AS SHOWN
Date:	19/06/25
Dwn. By:	CD _{VM} SC2019060036
App'd By:	KE

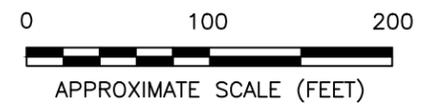
Fig. No.:	1
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LEGEND

-  APPROXIMATE PROPERTY BOUNDARY
-  SOIL VAPOR SAMPLE LOCATION
-  GROUNDWATER MONITORING WELL LOCATION



 **Stantec**

735 E. CARNEGIE DRIVE, SUITE 280
 SAN BERNARDINO, CALIFORNIA 92408
 PHONE: (909) 335-6116 FAX: (909) 335-6120

FOR:
 CT REALTY
 333 WEST GARDENA BOULEVARD
 CARSON, CALIFORNIA

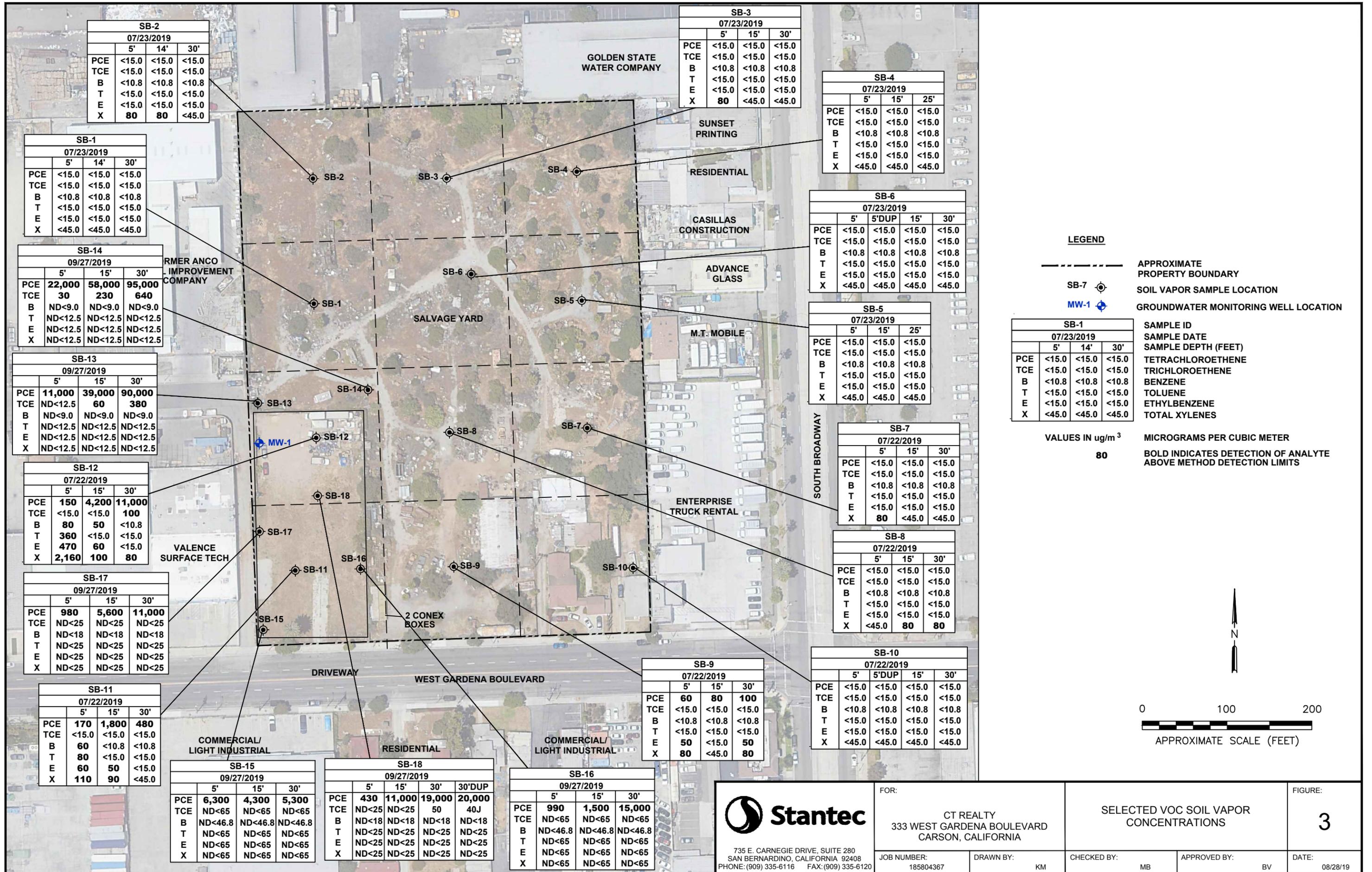
JOB NUMBER: 185804367 DRAWN BY: KM

PROPERTY DETAILS MAP

CHECKED BY: MB APPROVED BY: BV

FIGURE:
2

DATE: 10/10/19



<p>735 E. CARNEGIE DRIVE, SUITE 280 SAN BERNARDINO, CALIFORNIA 92408 PHONE: (909) 335-6116 FAX: (909) 335-6120</p>	FOR:	CT REALTY 333 WEST GARDENA BOULEVARD CARSON, CALIFORNIA		FIGURE:	3
	JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
	185804367	KM	MB	BV	08/28/19

Appendix A

Well Permit



ENVIRONMENTAL HEALTH

Drinking Water Program



5050 Commerce Drive, Baldwin Park, CA 91706
Telephone: (626) 430-5420 • Facsimile: (626) 813-3013 • Email: waterquality@ph.lacounty.gov
http://publichealth.lacounty.gov/eh/ep/dw/dw_main.htm

SR0197983 353 West Gardena Boulevard, Gardena, CA 90248 Work Plan Approval

WORK SITE ADDRESS	CITY	ZIP	EMAIL ADDRESS FOR WELL PERMIT APPROVAL
353 West Gardena Boulevard	Gardena	90248	Brian.Viggiano@stantec.com

NOTICE:

- WORK PLAN APPROVALS ARE VALID FOR 180 DAYS. 30 DAY EXTENSIONS OF WORK PLAN APPROVALS ARE CONSIDERED ON AN INDIVIDUAL (CASE-BY-CASE) BASIS AND MAY BE SUBJECT TO ADDITIONAL PLAN REVIEW FEES (HOURLY RATE AS APPLICABLE).
- WORK PLAN MODIFICATIONS MAY BE REQUIRED IF WELL AND GEOLOGIC CONDITIONS ENCOUNTERED AT THE SITE INSPECTION ARE FOUND TO DIFFER FROM THE SCOPE OF WORK PRESENTED TO THE DEPARTMENT OF PUBLIC HEALTH—DRINKING WATER PROGRAM.
- WORK PLAN APPROVALS ARE LIMITED TO COMPLIANCE WITH THE CALIFORNIA WELL STANDARDS AND THE LOS ANGELES COUNTY CODE AND DOES NOT GRANT ANY RIGHTS TO CONSTRUCT, RENOVATE, OR DECOMMISSION ANY WELL. THE APPLICANT IS RESPONSIBLE FOR SECURING ALL OTHER NECESSARY PERMITS SUCH AS WATER RIGHTS, PROPERTY RIGHTS, COASTAL COMMISSION APPROVALS, USE COVENANTS, ENCROACHMENT PERMISSIONS, UTILITY LINE SETBACKS, CITY/COUNTY PUBLIC WORKS RIGHTS OF WAY, ETC.
- THIS PERMIT IS NOT COMPLETE UNTIL ALL OF THE FOLLOWING REQUIREMENTS ARE SIGNED BY THE DEPUTY HEALTH OFFICER. WORK SHALL NOT BE INITIATED WITHOUT A WORK PLAN APPROVAL STAMPED BY THE DEPARTMENT OF PUBLIC HEALTH—DRINKING WATER PROGRAM.
- **ONCE APPROVED NOTIFY INSPECTOR AT ytaye@ph.lacounty.gov PREFERABLY 3 BUSINESS DAYS BEFORE WORK IS SCHEDULED TO BEGIN.**

TO BE COMPLETED BY DEPARTMENT OF PUBLIC HEALTH—DRINKING WATER PROGRAM:

WORK PLAN APPROVED (1 monitoring well construction)

DATE: September 19, 2019

ADDITIONAL APPROVAL CONDITIONS:

- Work plan approval is issued for scope of work submitted to the Drinking Water Program. Any modifications to the scope of work will require additional work plan review.
- Ensure to backfill using a tremie pipe or equivalent, proceeding upward from the bottom of the boring.
- The construction of wells must comply with all applicable requirements published in the [California Well Standards \(Bulletins 74-81 and 74-90\)](#), [Los Angeles County Code](#) and all other applicable laws.
- Submit well completion report/log to ytaye@ph.lacounty.gov within 30 days from the date its construction is completed.
- Drillers shall submit their well completion reports to the Department of Water Resources through the Online System of Well Completion Reports (OSWCR) at https://civicnet.resources.ca.gov/DWR_WELLS.



REHS NO: 7115

Yonas Taye

Yonas Taye, REHS

ANNULAR SEAL FINAL INSPECTION REQUIRED

WELL COMPLETION LOG REQUIRED

DATE ACCEPTED: REHS signature	DATE ACCEPTED: REHS signature
-------------------------------	-------------------------------

WATER QUALITY—BACTERIOLOGICAL STANDARDS REQUIRED

WATER QUALITY—CHEMICAL STANDARDS REQUIRED

DATE ACCEPTED: REHS signature	DATE ACCEPTED: REHS signature
-------------------------------	-------------------------------

WATER SUPPLY YIELD REQUIRED

OTHER REQUIREMENT

DATE ACCEPTED: REHS signature	DATE ACCEPTED: REHS signature
-------------------------------	-------------------------------

Appendix B

Laboratory Reports



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C
 ONTARIO, CA 91761

951-779-0310
 www.arlaboratories.com

FAX 951-779-0344
 office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

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CASE NARRATIVE

Authorized Signature Name / Title (print)	Ken Zheng, President
Signature / Date	<i>Ken Zheng</i> Ken Zheng, President 09/30/2019 15:37:17
Laboratory Job No. (Certificate of Analysis No.)	1909-00218
Project Name / No.	333 W. Gardena Blvd., Gardena, CA 90248
Dates Sampled (from/to)	09/27/19 To 09/27/19
Dates Received (from/to)	09/27/19 To 09/27/19
Dates Reported (from/to)	09/30/19 To 9/30/2019
Chains of Custody Received	Yes

Comments:

Subcontracting
 Organic Analyses
 No analyses sub-contracted

Sample Condition(s)
 All samples intact

Positive Results (Organic Compounds)											
Sample	Analyte	Result	Qual	Units	RL	Sample	Analyte	Result	Qual	Units	RL
SB-13-5	Tetrachloroethene	11		µg/L	0.025	SB-13-15	Tetrachloroethene	39		µg/L	0.025
SB-13-15	Trichloroethene	0.060		µg/L	0.025	SB-13-30	Tetrachloroethene	90		µg/L	0.025
SB-13-30	Trichloroethene	0.38		µg/L	0.025	SB-13-30	Trichlorotrifluoroethane	0.19		µg/L	0.025
SB-14-5	Tetrachloroethene	22		µg/L	0.025	SB-14-5	Trichloroethene	0.030		µg/L	0.025
SB-14-15	Tetrachloroethene	58		µg/L	0.025	SB-14-15	Trichloroethene	0.23		µg/L	0.025
SB-14-15	Trichlorofluoromethane	0.070		µg/L	0.025	SB-14-30	Tetrachloroethene	95		µg/L	0.025
SB-14-30	Trichloroethene	0.64		µg/L	0.025	SB-14-30	Trichlorofluoromethane	0.30		µg/L	0.025
SB-15-5	Tetrachloroethene	6.3		µg/L	0.13	SB-15-15	Tetrachloroethene	4.3		µg/L	0.13
SB-15-30	Tetrachloroethene	5.3		µg/L	0.13	SB-16-5	Tetrachloroethene	0.99		µg/L	0.13
SB-16-15	Tetrachloroethene	1.5		µg/L	0.13	SB-16-30	Tetrachloroethene	15		µg/L	0.13
SB-17-5	Tetrachloroethene	0.98		µg/L	0.050	SB-17-15	Tetrachloroethene	5.6		µg/L	0.050
SB-17-30	Tetrachloroethene	11		µg/L	0.050	SB-18-5	Tetrachloroethene	0.43		µg/L	0.050
SB-18-15	Tetrachloroethene	11		µg/L	0.050	SB-18-30	Tetrachloroethene	19		µg/L	0.050
SB-18-30	Trichloroethene	0.050		µg/L	0.050	SB-18-30 DUP	Tetrachloroethene	20		µg/L	0.050
SB-18-30 DUP	Trichloroethene	0.040	J	µg/L	0.050						



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CERTIFICATE OF ANALYSIS

1909-00218

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 001 SB-13-5								Date & Time Sampled: 09/27/19	@	7:25
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	7:40	KZ
t-Amyl Methyl Ether (TAME)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Benzene	<0.0090		µg/L	EPA 8260B	0.3	0.0090	0.013	09/27/19	7:40	KZ
Bromobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Bromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Bromodichloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Bromoform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Bromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
t-Butanol (TBA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	7:40	KZ
2-Butanone (MEK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	7:40	KZ
n-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
sec-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
tert-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Carbon Disulfide	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	7:40	KZ
Carbon Tetrachloride	<0.0063		µg/L	EPA 8260B	0.3	0.0063	0.013	09/27/19	7:40	KZ
Chlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Chloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Chloroform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Chloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
2-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
4-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Dibromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,2-Dibromoethane (EDB)	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	7:40	KZ
1,2-Dibromo-3-Chloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	7:40	KZ
Dibromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,2-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,3-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,4-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Dichlorodifluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,1-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

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Cust # 1003
Permit Number
Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 001 SB-13-5								Date & Time Sampled: 09/27/19	@ 7:25	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
1,2-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,1-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
cis-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
trans-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,3-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
2,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,1-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
cis-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
trans-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Diisopropyl Ether (DIPE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Ethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Hexachlorobutadiene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
2-Hexanone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	7:40	KZ
Isopropylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
4-Isopropyltoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Methylene Chloride	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.03	09/27/19	7:40	KZ
4-Methyl-2-Pentanone (MIBK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	7:40	KZ
Methyl-t-butyl Ether (MtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Naphthalene	<0.0080		µg/L	EPA 8260B	0.3	0.0080	0.013	09/27/19	7:40	KZ
n-Propylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Styrene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,1,1,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,1,1,2,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Tetrachloroethene	11		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Toluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,2,3-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,2,4-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,1,1-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ

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CERTIFICATE OF ANALYSIS

1909-00218

STANTEC CONSULTING SVCS., INC.
BRIAN VIGGIANO
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported 09/30/19
Date Received 09/27/19
Invoice No. 86941
Cust # 1003
Permit Number
Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 001 SB-13-5								Date & Time Sampled: 09/27/19	@ 7:25	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
1,1,2-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Trichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,2,3-Trichloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	7:40	KZ
Trichlorofluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Trichlorotrifluoroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,2,4-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,3,5-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Vinyl Chloride	<0.0020		µg/L	EPA 8260B	0.3	0.0020	0.013	09/27/19	7:40	KZ
m,p-Xylenes	<0.0250		µg/L	EPA 8260B	0.3	0.0250	0.050	09/27/19	7:40	KZ
o-Xylene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	7:40	KZ
[VOC Surrogates]										
Dibromofluoromethane	94		%REC	EPA 8260B			70-130	09/27/19	7:40	KZ
Toluene-D8	100		%REC	EPA 8260B			70-130	09/27/19	7:40	KZ
Bromofluorobenzene	99		%REC	EPA 8260B			70-130	09/27/19	7:40	KZ
Sample: 002 SB-13-15								Date & Time Sampled: 09/27/19	@ 7:52	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:04	KZ
t-Amyl Methyl Ether (TAME)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Benzene	<0.0090		µg/L	EPA 8260B	0.3	0.0090	0.013	09/27/19	8:04	KZ
Bromobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Bromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Bromodichloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Bromoform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Bromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
t-Butanol (TBA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:04	KZ

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BRIAN VIGGIANO
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported 09/30/19
Date Received 09/27/19
Invoice No. 86941
Cust # 1003
Permit Number
Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 002 SB-13-15								Date & Time Sampled: 09/27/19	@ 7:52	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
2-Butanone (MEK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:04	KZ
n-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
sec-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
tert-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Carbon Disulfide	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:04	KZ
Carbon Tetrachloride	<0.0063		µg/L	EPA 8260B	0.3	0.0063	0.013	09/27/19	8:04	KZ
Chlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Chloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Chloroform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Chloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
2-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
4-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Dibromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,2-Dibromoethane (EDB)	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	8:04	KZ
1,2-Dibromo-3-Chloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	8:04	KZ
Dibromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,2-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,3-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,4-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Dichlorodifluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,1-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,2-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,1-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
cis-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
trans-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,3-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
2,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,1-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
cis-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ

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STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 002 SB-13-15								Date & Time Sampled:	09/27/19	@ 7:52
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
trans-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Diisopropyl Ether (DIPE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Ethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Hexachlorobutadiene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
2-Hexanone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:04	KZ
Isopropylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
4-Isopropyltoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Methylene Chloride	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.03	09/27/19	8:04	KZ
4-Methyl-2-Pentanone (MIBK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:04	KZ
Methyl-t-butyl Ether (MtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Naphthalene	<0.0080		µg/L	EPA 8260B	0.3	0.0080	0.013	09/27/19	8:04	KZ
n-Propylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Styrene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,1,1,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,1,2,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Tetrachloroethene	39		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Toluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,2,3-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,2,4-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,1,1-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,1,2-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Trichloroethene	0.060		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,2,3-Trichloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	8:04	KZ
Trichlorofluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Trichlorotrifluoroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,2,4-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,3,5-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Vinyl Chloride	<0.0020		µg/L	EPA 8260B	0.3	0.0020	0.013	09/27/19	8:04	KZ
m,p-Xylenes	<0.0250		µg/L	EPA 8260B	0.3	0.0250	0.050	09/27/19	8:04	KZ

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735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 002 SB-13-15						Date & Time Sampled:		09/27/19	@	7:52
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
o-Xylene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:04	KZ
[VOC Surrogates]										
Dibromofluoromethane	94		%REC	EPA 8260B			70-130	09/27/19	8:04	KZ
Toluene-D8	100		%REC	EPA 8260B			70-130	09/27/19	8:04	KZ
Bromofluorobenzene	100		%REC	EPA 8260B			70-130	09/27/19	8:04	KZ
Sample: 003 SB-13-30						Date & Time Sampled:		09/27/19	@	8:18
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:28	KZ
t-Amyl Methyl Ether (TAME)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Benzene	<0.0090		µg/L	EPA 8260B	0.3	0.0090	0.013	09/27/19	8:28	KZ
Bromobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Bromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Bromodichloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Bromoform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Bromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
t-Butanol (TBA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:28	KZ
2-Butanone (MEK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:28	KZ
n-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
sec-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
tert-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Carbon Disulfide	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:28	KZ
Carbon Tetrachloride	<0.0063		µg/L	EPA 8260B	0.3	0.0063	0.013	09/27/19	8:28	KZ
Chlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Chloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Chloroform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ

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Date Reported 09/30/19
Date Received 09/27/19
Invoice No. 86941
Cust # 1003
Permit Number
Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 003 SB-13-30								Date & Time Sampled: 09/27/19	@ 8:18	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
Chloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
2-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
4-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Dibromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,2-Dibromoethane (EDB)	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	8:28	KZ
1,2-Dibromo-3-Chloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	8:28	KZ
Dibromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,2-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,3-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,4-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Dichlorodifluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,1-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,2-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,1-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
cis-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
trans-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,3-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
2,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,1-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
cis-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
trans-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Diisopropyl Ether (DiPE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Ethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Hexachlorobutadiene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
2-Hexanone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:28	KZ
Isopropylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
4-Isopropyltoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Methylene Chloride	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.03	09/27/19	8:28	KZ

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CERTIFICATE OF ANALYSIS

1909-00218

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 003 SB-13-30								Date & Time Sampled:	09/27/19	@ 8:18
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
4-Methyl-2-Pentanone (MIBK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:28	KZ
Methyl-t-butyl Ether (MtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Naphthalene	<0.0080		µg/L	EPA 8260B	0.3	0.0080	0.013	09/27/19	8:28	KZ
n-Propylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Styrene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,1,1,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,1,2,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Tetrachloroethane	90		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Toluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,2,3-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,2,4-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,1,1-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,1,2-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Trichloroethene	0.38		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,2,3-Trichloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	8:28	KZ
Trichlorofluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Trichlorotrifluoroethane	0.19		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,2,4-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,3,5-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Vinyl Chloride	<0.0020		µg/L	EPA 8260B	0.3	0.0020	0.013	09/27/19	8:28	KZ
m,p-Xylenes	<0.0250		µg/L	EPA 8260B	0.3	0.0250	0.050	09/27/19	8:28	KZ
o-Xylene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:28	KZ
[VOC Surrogates]										
Dibromofluoromethane	90		%REC	EPA 8260B			70-130	09/27/19	8:28	KZ
Toluene-D8	98		%REC	EPA 8260B			70-130	09/27/19	8:28	KZ
Bromofluorobenzene	100		%REC	EPA 8260B			70-130	09/27/19	8:28	KZ

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BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 004 SB-14-5								Date & Time Sampled: 09/27/19	@ 8:48	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:59	KZ
t-Amyl Methyl Ether (TAME)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Benzene	<0.0090		µg/L	EPA 8260B	0.3	0.0090	0.013	09/27/19	8:59	KZ
Bromobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Bromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Bromodichloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Bromoform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Bromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
t-Butanol (TBA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:59	KZ
2-Butanone (MEK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:59	KZ
n-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
sec-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
tert-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Carbon Disulfide	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:59	KZ
Carbon Tetrachloride	<0.0063		µg/L	EPA 8260B	0.3	0.0063	0.013	09/27/19	8:59	KZ
Chlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Chloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Chloroform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Chloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
2-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
4-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Dibromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,2-Dibromoethane (EDB)	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	8:59	KZ
1,2-Dibromo-3-Chloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	8:59	KZ
Dibromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,2-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,3-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,4-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Dichlorodifluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,1-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ

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1909-00218

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 004 SB-14-5								Date & Time Sampled:	09/27/19	@ 8:48
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
1,2-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,1-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
cis-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
trans-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,3-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
2,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,1-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
cis-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
trans-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Diisopropyl Ether (DIPE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Ethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Hexachlorobutadiene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
2-Hexanone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:59	KZ
Isopropylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
4-Isopropyltoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Methylene Chloride	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.03	09/27/19	8:59	KZ
4-Methyl-2-Pentanone (MIBK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:59	KZ
Methyl-t-butyl Ether (MtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Naphthalene	<0.0080		µg/L	EPA 8260B	0.3	0.0080	0.013	09/27/19	8:59	KZ
n-Propylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Styrene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,1,1,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,1,2,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Tetrachloroethene	22		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Toluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,2,3-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,2,4-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,1,1-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ

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Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 004 SB-14-5						Date & Time Sampled:		09/27/19	@	8:48
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
1,1,2-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Trichloroethene	0.030		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,2,3-Trichloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	8:59	KZ
Trichlorofluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Trichlorotrifluoroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,2,4-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,3,5-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Vinyl Chloride	<0.0020		µg/L	EPA 8260B	0.3	0.0020	0.013	09/27/19	8:59	KZ
m,p-Xylenes	<0.0250		µg/L	EPA 8260B	0.3	0.0250	0.050	09/27/19	8:59	KZ
o-Xylene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:59	KZ
[VOC Surrogates]										
Dibromofluoromethane	93		%REC	EPA 8260B			70-130	09/27/19	8:59	KZ
Toluene-D8	101		%REC	EPA 8260B			70-130	09/27/19	8:59	KZ
Bromofluorobenzene	101		%REC	EPA 8260B			70-130	09/27/19	8:59	KZ
Sample: 005 SB-14-15						Date & Time Sampled:		09/27/19	@	9:14
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	9:24	KZ
t-Amyl Methyl Ether (TAME)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Benzene	<0.0090		µg/L	EPA 8260B	0.3	0.0090	0.013	09/27/19	9:24	KZ
Bromobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Bromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Bromodichloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Bromoform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Bromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
t-Butanol (TBA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	9:24	KZ

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CERTIFICATE OF ANALYSIS

1909-00218

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 005 SB-14-15								Date & Time Sampled: 09/27/19	@ 9:14	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
2-Butanone (MEK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	9:24	KZ
n-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
sec-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
tert-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Carbon Disulfide	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	9:24	KZ
Carbon Tetrachloride	<0.0063		µg/L	EPA 8260B	0.3	0.0063	0.013	09/27/19	9:24	KZ
Chlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Chloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Chloroform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Chloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
2-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
4-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Dibromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,2-Dibromoethane (EDB)	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	9:24	KZ
1,2-Dibromo-3-Chloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	9:24	KZ
Dibromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,2-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,3-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,4-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Dichlorodifluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,1-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,2-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,1-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
cis-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
trans-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,3-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
2,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,1-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
cis-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ

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STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 005 SB-14-15								Date & Time Sampled:	09/27/19	@ 9:14
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
trans-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Diisopropyl Ether (DIPE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Ethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Hexachlorobutadiene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
2-Hexanone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	9:24	KZ
Isopropylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
4-Isopropyltoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Methylene Chloride	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.03	09/27/19	9:24	KZ
4-Methyl-2-Pentanone (MIBK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	9:24	KZ
Methyl-t-butyl Ether (MtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Naphthalene	<0.0080		µg/L	EPA 8260B	0.3	0.0080	0.013	09/27/19	9:24	KZ
n-Propylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Styrene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,1,1,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,1,2,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Tetrachloroethene	58		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Toluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,2,3-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,2,4-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,1,1-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,1,2-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Trichloroethene	0.23		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,2,3-Trichloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	9:24	KZ
Trichlorofluoromethane	0.070		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Trichlorotrifluoroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,2,4-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,3,5-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Vinyl Chloride	<0.0020		µg/L	EPA 8260B	0.3	0.0020	0.013	09/27/19	9:24	KZ
m,p-Xylenes	<0.0250		µg/L	EPA 8260B	0.3	0.0250	0.050	09/27/19	9:24	KZ

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CERTIFICATE OF ANALYSIS

1909-00218

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 005 SB-14-15 Date & Time Sampled: 09/27/19 @ 9:14 Sample Matrix: Soil Vapor Purge Volume Sampled: 3continued										
o-Xylene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	9:24	KZ
[VOC Surrogates]										
Dibromofluoromethane	91		%REC	EPA 8260B			70-130	09/27/19	9:24	KZ
Toluene-D8	100		%REC	EPA 8260B			70-130	09/27/19	9:24	KZ
Bromofluorobenzene	101		%REC	EPA 8260B			70-130	09/27/19	9:24	KZ
Sample: 006 SB-14-30 Date & Time Sampled: 09/27/19 @ 9:38 Sample Matrix: Soil Vapor Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	9:48	KZ
t-Amyl Methyl Ether (TAME)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Benzene	<0.0090		µg/L	EPA 8260B	0.3	0.0090	0.013	09/27/19	9:48	KZ
Bromobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Bromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Bromodichloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Bromoform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Bromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
t-Butanol (TBA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	9:48	KZ
2-Butanone (MEK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	9:48	KZ
n-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
sec-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
tert-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Carbon Disulfide	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	9:48	KZ
Carbon Tetrachloride	<0.0063		µg/L	EPA 8260B	0.3	0.0063	0.013	09/27/19	9:48	KZ
Chlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Chloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Chloroform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ

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Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 006 SB-14-30								Date & Time Sampled: 09/27/19	@ 9:38	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
Chloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
2-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
4-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Dibromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,2-Dibromoethane (EDB)	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	9:48	KZ
1,2-Dibromo-3-Chloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	9:48	KZ
Dibromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,2-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,3-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,4-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Dichlorodifluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,1-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,2-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,1-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
cis-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
trans-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,3-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
2,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,1-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
cis-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
trans-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Diisopropyl Ether (DiPE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Ethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Hexachlorobutadiene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
2-Hexanone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	9:48	KZ
Isopropylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
4-Isopropyltoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Methylene Chloride	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.03	09/27/19	9:48	KZ

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1909-00218

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 006 SB-14-30								Date & Time Sampled: 09/27/19	@ 9:38	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
4-Methyl-2-Pentanone (MIBK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	9:48	KZ
Methyl-t-butyl Ether (MtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Naphthalene	<0.0080		µg/L	EPA 8260B	0.3	0.0080	0.013	09/27/19	9:48	KZ
n-Propylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Styrene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,1,1,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,1,2,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Tetrachloroethene	95		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Toluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,2,3-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,2,4-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,1,1-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,1,2-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Trichloroethene	0.64		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,2,3-Trichloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	9:48	KZ
Trichlorofluoromethane	0.30		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Trichlorotrifluoroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,2,4-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,3,5-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Vinyl Chloride	<0.0020		µg/L	EPA 8260B	0.3	0.0020	0.013	09/27/19	9:48	KZ
m,p-Xylenes	<0.0250		µg/L	EPA 8260B	0.3	0.0250	0.050	09/27/19	9:48	KZ
o-Xylene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	9:48	KZ
[VOC Surrogates]										
Dibromofluoromethane	90		%REC	EPA 8260B			70-130	09/27/19	9:48	KZ
Toluene-D8	100		%REC	EPA 8260B			70-130	09/27/19	9:48	KZ
Bromofluorobenzene	101		%REC	EPA 8260B			70-130	09/27/19	9:48	KZ

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Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 007 SB-15-5								Date & Time Sampled:	09/27/19	@ 10:05
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	10:15	KZ
t-Amyl Methyl Ether (TAME)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Benzene	<0.0468		µg/L	EPA 8260B	1.3	0.0468	0.065	09/27/19	10:15	KZ
Bromobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Bromochloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Bromodichloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Bromoform	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Bromomethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
t-Butanol (TBA)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	10:15	KZ
2-Butanone (MEK)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	10:15	KZ
n-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
sec-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
tert-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Carbon Disulfide	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	10:15	KZ
Carbon Tetrachloride	<0.0325		µg/L	EPA 8260B	1.3	0.0325	0.065	09/27/19	10:15	KZ
Chlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Chloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Chloroform	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Chloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
2-Chlorotoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
4-Chlorotoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Dibromochloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,2-Dibromoethane (EDB)	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	10:15	KZ
1,2-Dibromo-3-Chloropropane	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	10:15	KZ
Dibromomethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,2-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,3-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,4-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Dichlorodifluoromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,1-Dichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ

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STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 007 SB-15-5								Date & Time Sampled:	09/27/19	@ 10:05
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
1,2-Dichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,1-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
cis-1,2-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
trans-1,2-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,2-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,3-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
2,2-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,1-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
cis-1,3-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
trans-1,3-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Diisopropyl Ether (DIPE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Ethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Hexachlorobutadiene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
2-Hexanone	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	10:15	KZ
Isopropylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
4-Isopropyltoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Methylene Chloride	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.1	09/27/19	10:15	KZ
4-Methyl-2-Pentanone (MIBK)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	10:15	KZ
Methyl-t-butyl Ether (MtBE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Naphthalene	<0.0416		µg/L	EPA 8260B	1.3	0.0416	0.065	09/27/19	10:15	KZ
n-Propylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Styrene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,1,1,2-Tetrachloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,1,2,2-Tetrachloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Tetrachloroethene	6.3		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Toluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,2,3-Trichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,2,4-Trichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,1,1-Trichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ

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735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 007 SB-15-5						Date & Time Sampled:		09/27/19	@	10:05
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
1,1,2-Trichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Trichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,2,3-Trichloropropane	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	10:15	KZ
Trichlorofluoromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Trichlorotrifluoroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,2,4-Trimethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,3,5-Trimethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Vinyl Chloride	<0.0104		µg/L	EPA 8260B	1.3	0.0104	0.065	09/27/19	10:15	KZ
m,p-Xylenes	<0.1300		µg/L	EPA 8260B	1.3	0.1300	0.26	09/27/19	10:15	KZ
o-Xylene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	10:15	KZ
[VOC Surrogates]										
Dibromofluoromethane	94		%REC	EPA 8260B			70-130	09/27/19	10:15	KZ
Toluene-D8	100		%REC	EPA 8260B			70-130	09/27/19	10:15	KZ
Bromofluorobenzene	100		%REC	EPA 8260B			70-130	09/27/19	10:15	KZ
Sample: 008 SB-15-15						Date & Time Sampled:		09/27/19	@	10:30
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	10:42	KZ
t-Amyl Methyl Ether (TAME)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Benzene	<0.0468		µg/L	EPA 8260B	1.3	0.0468	0.065	09/27/19	10:42	KZ
Bromobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Bromochloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Bromodichloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Bromoform	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Bromomethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
t-Butanol (TBA)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	10:42	KZ

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SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 008 SB-15-15							Date & Time Sampled:	09/27/19	@	10:30
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
2-Butanone (MEK)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	10:42	KZ
n-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
sec-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
tert-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Carbon Disulfide	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	10:42	KZ
Carbon Tetrachloride	<0.0325		µg/L	EPA 8260B	1.3	0.0325	0.065	09/27/19	10:42	KZ
Chlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Chloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Chloroform	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Chloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
2-Chlorotoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
4-Chlorotoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Dibromochloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,2-Dibromoethane (EDB)	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	10:42	KZ
1,2-Dibromo-3-Chloropropane	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	10:42	KZ
Dibromomethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,2-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,3-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,4-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Dichlorodifluoromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,1-Dichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,2-Dichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,1-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
cis-1,2-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
trans-1,2-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,2-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,3-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
2,2-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,1-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
cis-1,3-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ

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CERTIFICATE OF ANALYSIS

1909-00218

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 008 SB-15-15								Date & Time Sampled:	09/27/19	@ 10:30
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
trans-1,3-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Diisopropyl Ether (DIPE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Ethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Hexachlorobutadiene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
2-Hexanone	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	10:42	KZ
Isopropylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
4-Isopropyltoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Methylene Chloride	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.1	09/27/19	10:42	KZ
4-Methyl-2-Pentanone (MIBK)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	10:42	KZ
Methyl-t-butyl Ether (MtBE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Naphthalene	<0.0416		µg/L	EPA 8260B	1.3	0.0416	0.065	09/27/19	10:42	KZ
n-Propylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Styrene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,1,1,2-Tetrachloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,1,2,2-Tetrachloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Tetrachloroethane	4.3		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Toluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,2,3-Trichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,2,4-Trichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,1,1-Trichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,1,2-Trichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Trichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,2,3-Trichloropropane	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	10:42	KZ
Trichlorofluoromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Trichlorotrifluoroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,2,4-Trimethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,3,5-Trimethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Vinyl Chloride	<0.0104		µg/L	EPA 8260B	1.3	0.0104	0.065	09/27/19	10:42	KZ
m,p-Xylenes	<0.1300		µg/L	EPA 8260B	1.3	0.1300	0.26	09/27/19	10:42	KZ

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STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 008 SB-15-15						Date & Time Sampled:		09/27/19	@	10:30
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
o-Xylene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	10:42	KZ
[VOC Surrogates]										
Dibromofluoromethane	90		%REC	EPA 8260B			70-130	09/27/19	10:42	KZ
Toluene-D8	99		%REC	EPA 8260B			70-130	09/27/19	10:42	KZ
Bromofluorobenzene	100		%REC	EPA 8260B			70-130	09/27/19	10:42	KZ
Sample: 009 SB-15-30						Date & Time Sampled:		09/27/19	@	11:00
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	11:09	KZ
t-Amyl Methyl Ether (TAME)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Benzene	<0.0468		µg/L	EPA 8260B	1.3	0.0468	0.065	09/27/19	11:09	KZ
Bromobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Bromochloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Bromodichloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Bromoform	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Bromomethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
t-Butanol (TBA)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	11:09	KZ
2-Butanone (MEK)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	11:09	KZ
n-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
sec-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
tert-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Carbon Disulfide	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	11:09	KZ
Carbon Tetrachloride	<0.0325		µg/L	EPA 8260B	1.3	0.0325	0.065	09/27/19	11:09	KZ
Chlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Chloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Chloroform	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ

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Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 009 SB-15-30								Date & Time Sampled:	09/27/19	@ 11:00
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
Chloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
2-Chlorotoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
4-Chlorotoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Dibromochloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,2-Dibromoethane (EDB)	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	11:09	KZ
1,2-Dibromo-3-Chloropropane	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	11:09	KZ
Dibromomethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,2-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,3-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,4-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Dichlorodifluoromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,1-Dichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,2-Dichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,1-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
cis-1,2-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
trans-1,2-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,2-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,3-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
2,2-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,1-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
cis-1,3-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
trans-1,3-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Diisopropyl Ether (DiPE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Ethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Hexachlorobutadiene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
2-Hexanone	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	11:09	KZ
Isopropylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
4-Isopropyltoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Methylene Chloride	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.1	09/27/19	11:09	KZ

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Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 009 SB-15-30								Date & Time Sampled:	09/27/19	@ 11:00
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
4-Methyl-2-Pentanone (MIBK)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	11:09	KZ
Methyl-t-butyl Ether (MtBE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Naphthalene	<0.0416		µg/L	EPA 8260B	1.3	0.0416	0.065	09/27/19	11:09	KZ
n-Propylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Styrene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,1,1,2-Tetrachloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,1,2,2-Tetrachloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Tetrachloroethene	5.3		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Toluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,2,3-Trichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,2,4-Trichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,1,1-Trichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,1,2-Trichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Trichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,2,3-Trichloropropane	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	11:09	KZ
Trichlorofluoromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Trichlorotrifluoroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,2,4-Trimethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,3,5-Trimethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Vinyl Chloride	<0.0104		µg/L	EPA 8260B	1.3	0.0104	0.065	09/27/19	11:09	KZ
m,p-Xylenes	<0.1300		µg/L	EPA 8260B	1.3	0.1300	0.26	09/27/19	11:09	KZ
o-Xylene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	11:09	KZ
[VOC Surrogates]										
Dibromofluoromethane	91		%REC	EPA 8260B			70-130	09/27/19	11:09	KZ
Toluene-D8	101		%REC	EPA 8260B			70-130	09/27/19	11:09	KZ
Bromofluorobenzene	99		%REC	EPA 8260B			70-130	09/27/19	11:09	KZ

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CERTIFICATE OF ANALYSIS

1909-00218

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 010 SB-16-5								Date & Time Sampled: 09/27/19	@ 11:22	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	11:34	KZ
t-Amyl Methyl Ether (TAME)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Benzene	<0.0468		µg/L	EPA 8260B	1.3	0.0468	0.065	09/27/19	11:34	KZ
Bromobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Bromochloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Bromodichloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Bromoform	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Bromomethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
t-Butanol (TBA)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	11:34	KZ
2-Butanone (MEK)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	11:34	KZ
n-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
sec-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
tert-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Carbon Disulfide	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	11:34	KZ
Carbon Tetrachloride	<0.0325		µg/L	EPA 8260B	1.3	0.0325	0.065	09/27/19	11:34	KZ
Chlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Chloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Chloroform	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Chloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
2-Chlorotoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
4-Chlorotoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Dibromochloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,2-Dibromoethane (EDB)	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	11:34	KZ
1,2-Dibromo-3-Chloropropane	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	11:34	KZ
Dibromomethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,2-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,3-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,4-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Dichlorodifluoromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,1-Dichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ

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CERTIFICATE OF ANALYSIS

1909-00218

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 010 SB-16-5								Date & Time Sampled:	09/27/19	@ 11:22
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
1,2-Dichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,1-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
cis-1,2-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
trans-1,2-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,2-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,3-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
2,2-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,1-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
cis-1,3-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
trans-1,3-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Diisopropyl Ether (DIPE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Ethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Hexachlorobutadiene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
2-Hexanone	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	11:34	KZ
Isopropylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
4-Isopropyltoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Methylene Chloride	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.1	09/27/19	11:34	KZ
4-Methyl-2-Pentanone (MIBK)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	11:34	KZ
Methyl-t-butyl Ether (MtBE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Naphthalene	<0.0416		µg/L	EPA 8260B	1.3	0.0416	0.065	09/27/19	11:34	KZ
n-Propylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Styrene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,1,1,2-Tetrachloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,1,2,2-Tetrachloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Tetrachloroethene	0.99		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Toluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,2,3-Trichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,2,4-Trichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,1,1-Trichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ

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CERTIFICATE OF ANALYSIS

1909-00218

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 010 SB-16-5								Date & Time Sampled:	09/27/19	@ 11:22
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
1,1,2-Trichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Trichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,2,3-Trichloropropane	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	11:34	KZ
Trichlorofluoromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Trichlorotrifluoroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,2,4-Trimethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,3,5-Trimethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Vinyl Chloride	<0.0104		µg/L	EPA 8260B	1.3	0.0104	0.065	09/27/19	11:34	KZ
m,p-Xylenes	<0.1300		µg/L	EPA 8260B	1.3	0.1300	0.26	09/27/19	11:34	KZ
o-Xylene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	11:34	KZ
[VOC Surrogates]										
Dibromofluoromethane	94		%REC	EPA 8260B			70-130	09/27/19	11:34	KZ
Toluene-D8	100		%REC	EPA 8260B			70-130	09/27/19	11:34	KZ
Bromofluorobenzene	102		%REC	EPA 8260B			70-130	09/27/19	11:34	KZ
Sample: 011 SB-16-15								Date & Time Sampled:	09/27/19	@ 12:06
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	12:16	KZ
t-Amyl Methyl Ether (TAME)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Benzene	<0.0468		µg/L	EPA 8260B	1.3	0.0468	0.065	09/27/19	12:16	KZ
Bromobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Bromochloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Bromodichloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Bromoform	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Bromomethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
t-Butanol (TBA)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	12:16	KZ

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Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 011 SB-16-15								Date & Time Sampled:	09/27/19	@ 12:06
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
2-Butanone (MEK)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	12:16	KZ
n-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
sec-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
tert-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Carbon Disulfide	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	12:16	KZ
Carbon Tetrachloride	<0.0325		µg/L	EPA 8260B	1.3	0.0325	0.065	09/27/19	12:16	KZ
Chlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Chloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Chloroform	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Chloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
2-Chlorotoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
4-Chlorotoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Dibromochloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,2-Dibromoethane (EDB)	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	12:16	KZ
1,2-Dibromo-3-Chloropropane	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	12:16	KZ
Dibromomethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,2-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,3-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,4-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Dichlorodifluoromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,1-Dichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,2-Dichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,1-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
cis-1,2-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
trans-1,2-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,2-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,3-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
2,2-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,1-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
cis-1,3-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ

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CERTIFICATE OF ANALYSIS

1909-00218

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 011 SB-16-15								Date & Time Sampled:	09/27/19	@ 12:06
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
trans-1,3-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Diisopropyl Ether (DIPE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Ethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Hexachlorobutadiene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
2-Hexanone	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	12:16	KZ
Isopropylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
4-Isopropyltoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Methylene Chloride	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.1	09/27/19	12:16	KZ
4-Methyl-2-Pentanone (MIBK)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	12:16	KZ
Methyl-t-butyl Ether (MtBE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Naphthalene	<0.0416		µg/L	EPA 8260B	1.3	0.0416	0.065	09/27/19	12:16	KZ
n-Propylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Styrene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,1,1,2-Tetrachloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,1,2,2-Tetrachloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Tetrachloroethane	1.5		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Toluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,2,3-Trichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,2,4-Trichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,1,1-Trichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,1,2-Trichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Trichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,2,3-Trichloropropane	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	12:16	KZ
Trichlorofluoromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Trichlorotrifluoroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,2,4-Trimethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,3,5-Trimethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Vinyl Chloride	<0.0104		µg/L	EPA 8260B	1.3	0.0104	0.065	09/27/19	12:16	KZ
m,p-Xylenes	<0.1300		µg/L	EPA 8260B	1.3	0.1300	0.26	09/27/19	12:16	KZ

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1909-00218

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 011 SB-16-15						Date & Time Sampled:		09/27/19	@	12:06
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
o-Xylene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	12:16	KZ
[VOC Surrogates]										
Dibromofluoromethane	90		%REC	EPA 8260B			70-130	09/27/19	12:16	KZ
Toluene-D8	101		%REC	EPA 8260B			70-130	09/27/19	12:16	KZ
Bromofluorobenzene	99		%REC	EPA 8260B			70-130	09/27/19	12:16	KZ
Sample: 012 SB-16-30						Date & Time Sampled:		09/27/19	@	12:34
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	12:44	KZ
t-Amyl Methyl Ether (TAME)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Benzene	<0.0468		µg/L	EPA 8260B	1.3	0.0468	0.065	09/27/19	12:44	KZ
Bromobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Bromochloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Bromodichloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Bromoform	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Bromomethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
t-Butanol (TBA)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	12:44	KZ
2-Butanone (MEK)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	12:44	KZ
n-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
sec-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
tert-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Carbon Disulfide	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	12:44	KZ
Carbon Tetrachloride	<0.0325		µg/L	EPA 8260B	1.3	0.0325	0.065	09/27/19	12:44	KZ
Chlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Chloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Chloroform	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ

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CERTIFICATE OF ANALYSIS

1909-00218

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 012 SB-16-30								Date & Time Sampled:	09/27/19	@ 12:34
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
Chloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
2-Chlorotoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
4-Chlorotoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Dibromochloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,2-Dibromoethane (EDB)	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	12:44	KZ
1,2-Dibromo-3-Chloropropane	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	12:44	KZ
Dibromomethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,2-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,3-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,4-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Dichlorodifluoromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,1-Dichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,2-Dichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,1-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
cis-1,2-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
trans-1,2-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,2-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,3-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
2,2-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,1-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
cis-1,3-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
trans-1,3-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Diisopropyl Ether (DiPE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Ethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Hexachlorobutadiene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
2-Hexanone	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	12:44	KZ
Isopropylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
4-Isopropyltoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Methylene Chloride	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.1	09/27/19	12:44	KZ

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735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 012 SB-16-30								Date & Time Sampled:	09/27/19	@ 12:34
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
4-Methyl-2-Pentanone (MIBK)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	12:44	KZ
Methyl-t-butyl Ether (MtBE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Naphthalene	<0.0416		µg/L	EPA 8260B	1.3	0.0416	0.065	09/27/19	12:44	KZ
n-Propylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Styrene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,1,1,2-Tetrachloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,1,2,2-Tetrachloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Tetrachloroethene	15		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Toluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,2,3-Trichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,2,4-Trichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,1,1-Trichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,1,2-Trichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Trichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,2,3-Trichloropropane	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	12:44	KZ
Trichlorofluoromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Trichlorotrifluoroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,2,4-Trimethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,3,5-Trimethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Vinyl Chloride	<0.0104		µg/L	EPA 8260B	1.3	0.0104	0.065	09/27/19	12:44	KZ
m,p-Xylenes	<0.1300		µg/L	EPA 8260B	1.3	0.1300	0.26	09/27/19	12:44	KZ
o-Xylene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	12:44	KZ
[VOC Surrogates]										
Dibromofluoromethane	91		%REC	EPA 8260B			70-130	09/27/19	12:44	KZ
Toluene-D8	100		%REC	EPA 8260B			70-130	09/27/19	12:44	KZ
Bromofluorobenzene	100		%REC	EPA 8260B			70-130	09/27/19	12:44	KZ

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CERTIFICATE OF ANALYSIS

1909-00218

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 013 SB-17-5								Date & Time Sampled:	09/27/19	@ 13:22
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	1:32	KZ
t-Amyl Methyl Ether (TAME)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Benzene	<0.0180		µg/L	EPA 8260B	0.5	0.0180	0.025	09/27/19	1:32	KZ
Bromobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Bromochloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Bromodichloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Bromoform	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Bromomethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
t-Butanol (TBA)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	1:32	KZ
2-Butanone (MEK)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	1:32	KZ
n-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
sec-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
tert-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Carbon Disulfide	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	1:32	KZ
Carbon Tetrachloride	<0.0125		µg/L	EPA 8260B	0.5	0.0125	0.025	09/27/19	1:32	KZ
Chlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Chloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Chloroform	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Chloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
2-Chlorotoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
4-Chlorotoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Dibromochloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,2-Dibromoethane (EDB)	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	1:32	KZ
1,2-Dibromo-3-Chloropropane	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	1:32	KZ
Dibromomethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,2-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,3-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,4-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Dichlorodifluoromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,1-Dichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ

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1909-00218

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

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Invoice No. 86941

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Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 013 SB-17-5								Date & Time Sampled:	09/27/19	@ 13:22
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
1,2-Dichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,1-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
cis-1,2-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
trans-1,2-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,2-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,3-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
2,2-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,1-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
cis-1,3-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
trans-1,3-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Diisopropyl Ether (DIPE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Ethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Hexachlorobutadiene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
2-Hexanone	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	1:32	KZ
Isopropylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
4-Isopropyltoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Methylene Chloride	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.05	09/27/19	1:32	KZ
4-Methyl-2-Pentanone (MIBK)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	1:32	KZ
Methyl-t-butyl Ether (MtBE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Naphthalene	<0.0160		µg/L	EPA 8260B	0.5	0.0160	0.025	09/27/19	1:32	KZ
n-Propylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Styrene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,1,1,2-Tetrachloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,1,1,2,2-Tetrachloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Tetrachloroethene	0.98		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Toluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,2,3-Trichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,2,4-Trichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,1,1-Trichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ

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CERTIFICATE OF ANALYSIS

1909-00218

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 013 SB-17-5 Date & Time Sampled: 09/27/19 @ 13:22										
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
1,1,2-Trichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Trichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,2,3-Trichloropropane	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	1:32	KZ
Trichlorofluoromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Trichlorotrifluoroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,2,4-Trimethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,3,5-Trimethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Vinyl Chloride	<0.0040		µg/L	EPA 8260B	0.5	0.0040	0.025	09/27/19	1:32	KZ
m,p-Xylenes	<0.0500		µg/L	EPA 8260B	0.5	0.0500	0.10	09/27/19	1:32	KZ
o-Xylene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	1:32	KZ
[VOC Surrogates]										
Dibromofluoromethane	88		%REC	EPA 8260B			70-130	09/27/19	1:32	KZ
Toluene-D8	100		%REC	EPA 8260B			70-130	09/27/19	1:32	KZ
Bromofluorobenzene	102		%REC	EPA 8260B			70-130	09/27/19	1:32	KZ
Sample: 014 SB-17-15 Date & Time Sampled: 09/27/19 @ 13:49										
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	1:59	KZ
t-Amyl Methyl Ether (TAME)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Benzene	<0.0180		µg/L	EPA 8260B	0.5	0.0180	0.025	09/27/19	1:59	KZ
Bromobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Bromochloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Bromodichloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Bromoform	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Bromomethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
t-Butanol (TBA)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	1:59	KZ

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Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 014 SB-17-15						Date & Time Sampled:		09/27/19	@	13:49
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
2-Butanone (MEK)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	1:59	KZ
n-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
sec-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
tert-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Carbon Disulfide	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	1:59	KZ
Carbon Tetrachloride	<0.0125		µg/L	EPA 8260B	0.5	0.0125	0.025	09/27/19	1:59	KZ
Chlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Chloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Chloroform	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Chloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
2-Chlorotoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
4-Chlorotoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Dibromochloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,2-Dibromoethane (EDB)	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	1:59	KZ
1,2-Dibromo-3-Chloropropane	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	1:59	KZ
Dibromomethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,2-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,3-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,4-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Dichlorodifluoromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,1-Dichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,2-Dichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,1-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
cis-1,2-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
trans-1,2-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,2-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,3-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
2,2-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,1-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
cis-1,3-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ

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CERTIFICATE OF ANALYSIS

1909-00218

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 014 SB-17-15						Date & Time Sampled:		09/27/19	@	13:49
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
trans-1,3-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Diisopropyl Ether (DIPE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Ethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Hexachlorobutadiene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
2-Hexanone	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	1:59	KZ
Isopropylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
4-Isopropyltoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Methylene Chloride	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.05	09/27/19	1:59	KZ
4-Methyl-2-Pentanone (MIBK)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	1:59	KZ
Methyl-t-butyl Ether (MtBE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Naphthalene	<0.0160		µg/L	EPA 8260B	0.5	0.0160	0.025	09/27/19	1:59	KZ
n-Propylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Styrene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,1,1,2-Tetrachloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,1,2,2-Tetrachloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Tetrachloroethane	5.6		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Toluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,2,3-Trichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,2,4-Trichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,1,1-Trichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,1,2-Trichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Trichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,2,3-Trichloropropane	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	1:59	KZ
Trichlorofluoromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Trichlorotrifluoroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,2,4-Trimethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,3,5-Trimethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Vinyl Chloride	<0.0040		µg/L	EPA 8260B	0.5	0.0040	0.025	09/27/19	1:59	KZ
m,p-Xylenes	<0.0500		µg/L	EPA 8260B	0.5	0.0500	0.10	09/27/19	1:59	KZ

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1909-00218

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 014 SB-17-15 Date & Time Sampled: 09/27/19 @ 13:49 Sample Matrix: Soil Vapor Purge Volume Sampled: 3continued										
o-Xylene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	1:59	KZ
[VOC Surrogates]										
Dibromofluoromethane	90		%REC	EPA 8260B			70-130	09/27/19	1:59	KZ
Toluene-D8	100		%REC	EPA 8260B			70-130	09/27/19	1:59	KZ
Bromofluorobenzene	100		%REC	EPA 8260B			70-130	09/27/19	1:59	KZ
Sample: 015 SB-17-30 Date & Time Sampled: 09/27/19 @ 14:16 Sample Matrix: Soil Vapor Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	2:27	KZ
t-Amyl Methyl Ether (TAME)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Benzene	<0.0180		µg/L	EPA 8260B	0.5	0.0180	0.025	09/27/19	2:27	KZ
Bromobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Bromochloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Bromodichloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Bromoform	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Bromomethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
t-Butanol (TBA)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	2:27	KZ
2-Butanone (MEK)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	2:27	KZ
n-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
sec-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
tert-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Carbon Disulfide	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	2:27	KZ
Carbon Tetrachloride	<0.0125		µg/L	EPA 8260B	0.5	0.0125	0.025	09/27/19	2:27	KZ
Chlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Chloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Chloroform	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ

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1909-00218

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 015 SB-17-30								Date & Time Sampled:	09/27/19	@ 14:16
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
Chloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
2-Chlorotoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
4-Chlorotoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Dibromochloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,2-Dibromoethane (EDB)	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	2:27	KZ
1,2-Dibromo-3-Chloropropane	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	2:27	KZ
Dibromomethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,2-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,3-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,4-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Dichlorodifluoromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,1-Dichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,2-Dichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,1-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
cis-1,2-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
trans-1,2-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,2-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,3-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
2,2-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,1-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
cis-1,3-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
trans-1,3-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Diisopropyl Ether (DiPE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Ethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Hexachlorobutadiene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
2-Hexanone	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	2:27	KZ
Isopropylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
4-Isopropyltoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Methylene Chloride	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.05	09/27/19	2:27	KZ

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BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 015 SB-17-30								Date & Time Sampled:	09/27/19	@ 14:16
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
4-Methyl-2-Pentanone (MIBK)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	2:27	KZ
Methyl-t-butyl Ether (MtBE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Naphthalene	<0.0160		µg/L	EPA 8260B	0.5	0.0160	0.025	09/27/19	2:27	KZ
n-Propylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Styrene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,1,1,2-Tetrachloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,1,2,2-Tetrachloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Tetrachloroethene	11		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Toluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,2,3-Trichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,2,4-Trichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,1,1-Trichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,1,2-Trichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Trichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,2,3-Trichloropropane	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	2:27	KZ
Trichlorofluoromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Trichlorotrifluoroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,2,4-Trimethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,3,5-Trimethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Vinyl Chloride	<0.0040		µg/L	EPA 8260B	0.5	0.0040	0.025	09/27/19	2:27	KZ
m,p-Xylenes	<0.0500		µg/L	EPA 8260B	0.5	0.0500	0.10	09/27/19	2:27	KZ
o-Xylene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	2:27	KZ
[VOC Surrogates]										
Dibromofluoromethane	85		%REC	EPA 8260B			70-130	09/27/19	2:27	KZ
Toluene-D8	101		%REC	EPA 8260B			70-130	09/27/19	2:27	KZ
Bromofluorobenzene	98		%REC	EPA 8260B			70-130	09/27/19	2:27	KZ

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Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 016 SB-18-5								Date & Time Sampled:	09/27/19	@ 14:50
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	2:54	KZ
t-Amyl Methyl Ether (TAME)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Benzene	<0.0180		µg/L	EPA 8260B	0.5	0.0180	0.025	09/27/19	2:54	KZ
Bromobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Bromochloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Bromodichloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Bromoform	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Bromomethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
t-Butanol (TBA)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	2:54	KZ
2-Butanone (MEK)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	2:54	KZ
n-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
sec-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
tert-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Carbon Disulfide	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	2:54	KZ
Carbon Tetrachloride	<0.0125		µg/L	EPA 8260B	0.5	0.0125	0.025	09/27/19	2:54	KZ
Chlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Chloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Chloroform	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Chloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
2-Chlorotoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
4-Chlorotoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Dibromochloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,2-Dibromoethane (EDB)	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	2:54	KZ
1,2-Dibromo-3-Chloropropane	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	2:54	KZ
Dibromomethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,2-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,3-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,4-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Dichlorodifluoromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,1-Dichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ

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CERTIFICATE OF ANALYSIS

1909-00218

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 016 SB-18-5								Date & Time Sampled:	09/27/19	@ 14:50
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
1,2-Dichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,1-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
cis-1,2-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
trans-1,2-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,2-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,3-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
2,2-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,1-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
cis-1,3-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
trans-1,3-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Diisopropyl Ether (DIPE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Ethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Hexachlorobutadiene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
2-Hexanone	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	2:54	KZ
Isopropylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
4-Isopropyltoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Methylene Chloride	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.05	09/27/19	2:54	KZ
4-Methyl-2-Pentanone (MIBK)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	2:54	KZ
Methyl-t-butyl Ether (MtBE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Naphthalene	<0.0160		µg/L	EPA 8260B	0.5	0.0160	0.025	09/27/19	2:54	KZ
n-Propylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Styrene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,1,1,2-Tetrachloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,1,2,2-Tetrachloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Tetrachloroethene	0.43		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Toluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,2,3-Trichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,2,4-Trichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,1,1-Trichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ

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STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 016 SB-18-5						Date & Time Sampled:		09/27/19	@	14:50
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
1,1,2-Trichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Trichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,2,3-Trichloropropane	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	2:54	KZ
Trichlorofluoromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Trichlorotrifluoroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,2,4-Trimethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,3,5-Trimethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Vinyl Chloride	<0.0040		µg/L	EPA 8260B	0.5	0.0040	0.025	09/27/19	2:54	KZ
m,p-Xylenes	<0.0500		µg/L	EPA 8260B	0.5	0.0500	0.10	09/27/19	2:54	KZ
o-Xylene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	2:54	KZ
[VOC Surrogates]										
Dibromofluoromethane	86		%REC	EPA 8260B			70-130	09/27/19	2:54	KZ
Toluene-D8	98		%REC	EPA 8260B			70-130	09/27/19	2:54	KZ
Bromofluorobenzene	99		%REC	EPA 8260B			70-130	09/27/19	2:54	KZ
Sample: 017 SB-18-15						Date & Time Sampled:		09/27/19	@	15:10
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	3:22	KZ
t-Amyl Methyl Ether (TAME)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Benzene	<0.0180		µg/L	EPA 8260B	0.5	0.0180	0.025	09/27/19	3:22	KZ
Bromobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Bromochloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Bromodichloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Bromoform	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Bromomethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
t-Butanol (TBA)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	3:22	KZ

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STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 017 SB-18-15								Date & Time Sampled:	09/27/19	@ 15:10
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
2-Butanone (MEK)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	3:22	KZ
n-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
sec-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
tert-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Carbon Disulfide	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	3:22	KZ
Carbon Tetrachloride	<0.0125		µg/L	EPA 8260B	0.5	0.0125	0.025	09/27/19	3:22	KZ
Chlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Chloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Chloroform	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Chloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
2-Chlorotoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
4-Chlorotoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Dibromochloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,2-Dibromoethane (EDB)	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	3:22	KZ
1,2-Dibromo-3-Chloropropane	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	3:22	KZ
Dibromomethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,2-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,3-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,4-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Dichlorodifluoromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,1-Dichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,2-Dichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,1-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
cis-1,2-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
trans-1,2-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,2-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,3-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
2,2-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,1-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
cis-1,3-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ

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Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 017 SB-18-15								Date & Time Sampled:	09/27/19	@ 15:10
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
trans-1,3-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Diisopropyl Ether (DIPE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Ethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Hexachlorobutadiene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
2-Hexanone	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	3:22	KZ
Isopropylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
4-Isopropyltoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Methylene Chloride	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.05	09/27/19	3:22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	3:22	KZ
Methyl-t-butyl Ether (MtBE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Naphthalene	<0.0160		µg/L	EPA 8260B	0.5	0.0160	0.025	09/27/19	3:22	KZ
n-Propylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Styrene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,1,1,2-Tetrachloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,1,2,2-Tetrachloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Tetrachloroethane	11		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Toluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,2,3-Trichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,2,4-Trichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,1,1-Trichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,1,2-Trichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Trichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,2,3-Trichloropropane	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	3:22	KZ
Trichlorofluoromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Trichlorotrifluoroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,2,4-Trimethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,3,5-Trimethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Vinyl Chloride	<0.0040		µg/L	EPA 8260B	0.5	0.0040	0.025	09/27/19	3:22	KZ
m,p-Xylenes	<0.0500		µg/L	EPA 8260B	0.5	0.0500	0.10	09/27/19	3:22	KZ

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CERTIFICATE OF ANALYSIS

1909-00218

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 017 SB-18-15						Date & Time Sampled:		09/27/19	@	15:10
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
o-Xylene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	3:22	KZ
[VOC Surrogates]										
Dibromofluoromethane	83		%REC	EPA 8260B			70-130	09/27/19	3:22	KZ
Toluene-D8	99		%REC	EPA 8260B			70-130	09/27/19	3:22	KZ
Bromofluorobenzene	100		%REC	EPA 8260B			70-130	09/27/19	3:22	KZ
Sample: 018 SB-18-30						Date & Time Sampled:		09/27/19	@	15:40
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	3:51	KZ
t-Amyl Methyl Ether (TAME)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Benzene	<0.0180		µg/L	EPA 8260B	0.5	0.0180	0.025	09/27/19	3:51	KZ
Bromobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Bromochloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Bromodichloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Bromoform	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Bromomethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
t-Butanol (TBA)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	3:51	KZ
2-Butanone (MEK)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	3:51	KZ
n-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
sec-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
tert-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Carbon Disulfide	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	3:51	KZ
Carbon Tetrachloride	<0.0125		µg/L	EPA 8260B	0.5	0.0125	0.025	09/27/19	3:51	KZ
Chlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Chloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Chloroform	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ

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Customer P.O.

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 018 SB-18-30								Date & Time Sampled:	09/27/19	@ 15:40
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
Chloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
2-Chlorotoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
4-Chlorotoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Dibromochloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,2-Dibromoethane (EDB)	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	3:51	KZ
1,2-Dibromo-3-Chloropropane	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	3:51	KZ
Dibromomethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,2-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,3-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,4-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Dichlorodifluoromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,1-Dichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,2-Dichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,1-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
cis-1,2-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
trans-1,2-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,2-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,3-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
2,2-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,1-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
cis-1,3-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
trans-1,3-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Diisopropyl Ether (DiPE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Ethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Hexachlorobutadiene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
2-Hexanone	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	3:51	KZ
Isopropylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
4-Isopropyltoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Methylene Chloride	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.05	09/27/19	3:51	KZ

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1909-00218

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 018 SB-18-30								Date & Time Sampled:	09/27/19	@ 15:40
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
4-Methyl-2-Pentanone (MIBK)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	3:51	KZ
Methyl-t-butyl Ether (MtBE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Naphthalene	<0.0160		µg/L	EPA 8260B	0.5	0.0160	0.025	09/27/19	3:51	KZ
n-Propylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Styrene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,1,1,2-Tetrachloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,1,2,2-Tetrachloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Tetrachloroethene	19		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Toluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,2,3-Trichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,2,4-Trichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,1,1-Trichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,1,2-Trichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Trichloroethene	0.050		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,2,3-Trichloropropane	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	3:51	KZ
Trichlorofluoromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Trichlorotrifluoroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,2,4-Trimethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,3,5-Trimethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Vinyl Chloride	<0.0040		µg/L	EPA 8260B	0.5	0.0040	0.025	09/27/19	3:51	KZ
m,p-Xylenes	<0.0500		µg/L	EPA 8260B	0.5	0.0500	0.10	09/27/19	3:51	KZ
o-Xylene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	3:51	KZ
[VOC Surrogates]										
Dibromofluoromethane	85		%REC	EPA 8260B			70-130	09/27/19	3:51	KZ
Toluene-D8	102		%REC	EPA 8260B			70-130	09/27/19	3:51	KZ
Bromofluorobenzene	98		%REC	EPA 8260B			70-130	09/27/19	3:51	KZ

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Date Reported 09/30/19

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Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 019 SB-18-30 DUP								Date & Time Sampled: 09/27/19	@ 15:40	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	4:18	KZ
t-Amyl Methyl Ether (TAME)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Benzene	<0.0180		µg/L	EPA 8260B	0.5	0.0180	0.025	09/27/19	4:18	KZ
Bromobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Bromochloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Bromodichloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Bromoform	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Bromomethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
t-Butanol (TBA)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	4:18	KZ
2-Butanone (MEK)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	4:18	KZ
n-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
sec-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
tert-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Carbon Disulfide	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	4:18	KZ
Carbon Tetrachloride	<0.0125		µg/L	EPA 8260B	0.5	0.0125	0.025	09/27/19	4:18	KZ
Chlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Chloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Chloroform	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Chloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
2-Chlorotoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
4-Chlorotoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Dibromochloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,2-Dibromoethane (EDB)	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	4:18	KZ
1,2-Dibromo-3-Chloropropane	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	4:18	KZ
Dibromomethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,2-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,3-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,4-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Dichlorodifluoromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,1-Dichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ

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CERTIFICATE OF ANALYSIS

1909-00218

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 019 SB-18-30 DUP								Date & Time Sampled: 09/27/19	@ 15:40	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
1,2-Dichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,1-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
cis-1,2-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
trans-1,2-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,2-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,3-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
2,2-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,1-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
cis-1,3-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
trans-1,3-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Diisopropyl Ether (DiPE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Ethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Hexachlorobutadiene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
2-Hexanone	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	4:18	KZ
Isopropylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
4-Isopropyltoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Methylene Chloride	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.05	09/27/19	4:18	KZ
4-Methyl-2-Pentanone (MIBK)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	4:18	KZ
Methyl-t-butyl Ether (MtBE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Naphthalene	<0.0160		µg/L	EPA 8260B	0.5	0.0160	0.025	09/27/19	4:18	KZ
n-Propylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Styrene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,1,1,2-Tetrachloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,1,1,2,2-Tetrachloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Tetrachloroethene	20		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Toluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,2,3-Trichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,2,4-Trichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,1,1-Trichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ

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CERTIFICATE OF ANALYSIS

1909-00218

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 019 SB-18-30 DUP								Date & Time Sampled: 09/27/19	@ 15:40	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
1,1,2-Trichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Trichloroethene	0.040	J	µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,2,3-Trichloropropane	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	4:18	KZ
Trichlorofluoromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Trichlorotrifluoroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,2,4-Trimethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,3,5-Trimethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Vinyl Chloride	<0.0040		µg/L	EPA 8260B	0.5	0.0040	0.025	09/27/19	4:18	KZ
m,p-Xylenes	<0.0500		µg/L	EPA 8260B	0.5	0.0500	0.10	09/27/19	4:18	KZ
o-Xylene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	4:18	KZ
[VOC Surrogates]										
Dibromofluoromethane	85		%REC	EPA 8260B			70-130	09/27/19	4:18	KZ
Toluene-D8	100		%REC	EPA 8260B			70-130	09/27/19	4:18	KZ
Bromofluorobenzene	100		%REC	EPA 8260B			70-130	09/27/19	4:18	KZ

Respectfully Submitted:

Ken Zheng
Ken Zheng - President

QUALIFIERS

B = Detected in the associated Method Blank at a concentration above the routine RL.
 B1 = BOD dilution water is over specifications . The reported result may be biased high.
 D = Surrogate recoveries are not calculated due to sample dilution.
 E = Estimated value; Value exceeds calibration level of instrument.
 H = Analyte was prepared and/or analyzed outside of the analytical method holding time
 I = Matrix Interference.
 J = Analyte concentration detected between RL and MDL.
 Q = One or more quality control criteria did not meet specifications. See Comments for further explanation.
 S = Customer provided specification limit exceeded.

ABBREVIATIONS

DF = Dilution Factor
 RL = Reporting Limit, Adjusted by DF
 MDL = Method Detection Limit, Adjusted by DF
 Qual = Qualifier
 Tech = Technician



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As regulatory limits change frequently, A & R Laboratories advises the recipient of this report to confirm such limits with the appropriate federal, state, or local authorities before acting in reliance on the regulatory limits provided.

For any feedback concerning our services, please contact Jenny Jiang, Project Manager at 951.779.0310. You may also contact Ken Zheng, President at office@arlaboratories.com.



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QUALITY CONTROL DATA REPORT

STANTEC CONSULTING SVCS., INC.
BRIAN VIGGIANO
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

1909-00218

Date Reported 09/30/2019
Date Received 09/27/2019
Date Sampled 09/27/2019
Invoice No. 86941
Customer # 1003
Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Method #	EPA 8260B																						
QC Reference #	84873					Date Analyzed: 9/27/2019					Technician: KZ												
Samples	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019				
Results	LCS %REC				LCS %DUP				LCS %RPD				BLKSRR% REC				Control Ranges						
																	LCS %REC	LCS %RPD	BLKSRR%REC				
1,1-Dichloroethene	103				94				8.7												70 - 130	0 - 25	
Benzene	116				101				14.0												70 - 130	0 - 25	
Bromofluorobenzene												102											50 - 150
Chlorobenzene	128				113				12.6												70 - 130	0 - 25	
Dibromofluoromethan												96											50 - 150
Toluene	122				104				15.7												70 - 130	0 - 25	
Toluene-D8												101											50 - 150
Trichloroethene	120				102				16.0												70 - 130	0 - 25	



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QUALITY CONTROL DATA REPORT

STANTEC CONSULTING SVCS., INC.
BRIAN VIGGIANO

1909-00218

Date Reported 09/30/2019
Date Received 09/27/2019
Date Sampled 09/27/2019

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Method blank results

Ref	Test Name	Result	Qualif	Units	MDL	Ref	Test Name	Result	Qualif	Units	MDL
84873	Acetone	<0.1250		µg/L	0.1250		Isopropylbenzene	<0.0125		µg/L	0.0125
	t-Amyl Methyl Ether (TAME)	<0.0125		µg/L	0.0125		4-Isopropyltoluene	<0.0125		µg/L	0.0125
	Benzene	<0.0090		µg/L	0.0090		Methylene Chloride	<0.0125		µg/L	0.0125
	Bromobenzene	<0.0125		µg/L	0.0125		4-Methyl-2-Pentanone (MIBK)	<0.1250		µg/L	0.1250
	Bromochloromethane	<0.0125		µg/L	0.0125		Methyl-t-butyl Ether (MtBE)	<0.0125		µg/L	0.0125
	Bromodichloromethane	<0.0125		µg/L	0.0125		Naphthalene	<0.0080		µg/L	0.0080
	Bromoform	<0.0125		µg/L	0.0125		n-Propylbenzene	<0.0125		µg/L	0.0125
	Bromomethane	<0.0125		µg/L	0.0125		Styrene	<0.0125		µg/L	0.0125
	t-Butanol (TBA)	<0.1250		µg/L	0.1250		1,1,1,2-Tetrachloroethane	<0.0125		µg/L	0.0125
	2-Butanone (MEK)	<0.1250		µg/L	0.1250		1,1,2,2-Tetrachloroethane	<0.0125		µg/L	0.0125
	n-Butylbenzene	<0.0125		µg/L	0.0125		Tetrachloroethene	<0.0125		µg/L	0.0125
	sec-Butylbenzene	<0.0125		µg/L	0.0125		Toluene	<0.0125		µg/L	0.0125
	tert-Butylbenzene	<0.0125		µg/L	0.0125		1,2,3-Trichlorobenzene	<0.0125		µg/L	0.0125
	Carbon Disulfide	<0.1250		µg/L	0.1250		1,2,4-Trichlorobenzene	<0.0125		µg/L	0.0125
	Carbon Tetrachloride	<0.0063		µg/L	0.0063		1,1,1-Trichloroethane	<0.0125		µg/L	0.0125
	Chlorobenzene	<0.0125		µg/L	0.0125		1,1,2-Trichloroethane	<0.0125		µg/L	0.0125
	Chloroethane	<0.0125		µg/L	0.0125		Trichloroethene	<0.0125		µg/L	0.0125
	Chloroform	<0.0125		µg/L	0.0125		1,2,3-Trichloropropane	<0.0050		µg/L	0.0050
	Chloromethane	<0.0125		µg/L	0.0125		Trichlorofluoromethane	<0.0125		µg/L	0.0125
	2-Chlorotoluene	<0.0125		µg/L	0.0125		Trichlorotrifluoroethane	<0.0125		µg/L	0.0125
	4-Chlorotoluene	<0.0125		µg/L	0.0125		1,2,4-Trimethylbenzene	<0.0125		µg/L	0.0125
	Dibromochloromethane	<0.0125		µg/L	0.0125		1,3,5-Trimethylbenzene	<0.0125		µg/L	0.0125
	1,2-Dibromoethane (EDB)	<0.0050		µg/L	0.0050		Vinyl Chloride	<0.0020		µg/L	0.0020
	1,2-Dibromo-3-Chloropropane	<0.0050		µg/L	0.0050		m,p-Xylenes	<0.0250		µg/L	0.0250
	Dibromomethane	<0.0125		µg/L	0.0125		o-Xylene	<0.0125		µg/L	0.0125
	1,2-Dichlorobenzene	<0.0125		µg/L	0.0125		Isopropanol (IPA)	<0.1250		µg/L	0.1250
	1,3-Dichlorobenzene	<0.0125		µg/L	0.0125						
	1,4-Dichlorobenzene	<0.0125		µg/L	0.0125						
	Dichlorodifluoromethane	<0.0125		µg/L	0.0125						
	1,1-Dichloroethane	<0.0125		µg/L	0.0125						
	1,2-Dichloroethane	<0.0125		µg/L	0.0125						
	1,1-Dichloroethene	<0.0125		µg/L	0.0125						
	cis-1,2-Dichloroethene	<0.0125		µg/L	0.0125						
	trans-1,2-Dichloroethene	<0.0125		µg/L	0.0125						
	1,2-Dichloropropane	<0.0125		µg/L	0.0125						
	1,3-Dichloropropane	<0.0125		µg/L	0.0125						
	2,2-Dichloropropane	<0.0125		µg/L	0.0125						
	1,1-Dichloropropene	<0.0125		µg/L	0.0125						
	cis-1,3-Dichloropropene	<0.0125		µg/L	0.0125						
	trans-1,3-Dichloropropene	<0.0125		µg/L	0.0125						
	Diisopropyl Ether (DIPE)	<0.0125		µg/L	0.0125						
	Ethylbenzene	<0.0125		µg/L	0.0125						
	Ethyl-t-Butyl Ether (EtBE)	<0.0125		µg/L	0.0125						
	Hexachlorobutadiene	<0.0125		µg/L	0.0125						
	2-Hexanone	<0.1250		µg/L	0.1250						



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QUALITY CONTROL DATA REPORT

STANTEC CONSULTING SVCS., INC.
BRIAN VIGGIANO

1909-00218

Date Reported 09/30/2019
Date Received 09/27/2019
Date Sampled 09/27/2019

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Respectfully Submitted:

Ken Zheng - President

For any feedback concerning our services, please contact Jenny Jiang, Project Manager at 951.779.0310. You may also contact Ken Zheng, President at office@arlaboratories.com.



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CHAIN OF CUSTODY

A & R Work Order #:

1909-218

Page 1 of 2

Client Name Stantec CONSULTING SVCS, INC.		<input type="checkbox"/> Chilled		Analyses Requested										Turn Around Time Requested																					
E-mail BRIAN.VIGGIANO@STANTEC.COM		<input checked="" type="checkbox"/> Intact												Remarks																					
Address 735 E. CARNEGIE DR, STE. 280, SAN BRDNO, CA		<input type="checkbox"/> Seal		EPA8260B (VOCs & Oxygenates)		EPA8260B(BTEX & Oxygenates)		LUFT / 8015 (Gasoline)		LUFT / 8015 (Diesel)		EPA8081A (Organochlorine Pesticides)		EPA 8082 (PCBs)		EPA 8015M (Carbon Chain C4-C40)		EPA 6010B/7000 (CAM 17 Metals)		Micro: Plate Cnt., Coliform, E-Coli		<input type="checkbox"/> Rush 8 12 24 48 Hours <input type="checkbox"/> Normal MOBILE													
Report Attention BRIAN V.		Phone # 909.255.8204		Sampled By KZ		Project No./ Name 333 W Gardena Blvd, Gardena		Project Site 333 W Gardena Blvd, Gardena		Matrix Type		Sample Preserve		No., type* & size of container		EPA8260B (VOCs & Oxygenates)		EPA8260B(BTEX & Oxygenates)		LUFT / 8015 (Gasoline)		LUFT / 8015 (Diesel)		EPA8081A (Organochlorine Pesticides)		EPA 8082 (PCBs)		EPA 8015M (Carbon Chain C4-C40)		EPA 6010B/7000 (CAM 17 Metals)		Micro: Plate Cnt., Coliform, E-Coli		Remarks	
Lab # (Lab use)		Client Sample ID		Date		Time		Matrix Type		Sample Preserve		No., type* & size of container		EPA8260B (VOCs & Oxygenates)		EPA8260B(BTEX & Oxygenates)		LUFT / 8015 (Gasoline)		LUFT / 8015 (Diesel)		EPA8081A (Organochlorine Pesticides)		EPA 8082 (PCBs)		EPA 8015M (Carbon Chain C4-C40)		EPA 6010B/7000 (CAM 17 Metals)		Micro: Plate Cnt., Coliform, E-Coli		Remarks			
-1		SB-13-5		9/27/19		7:25		Avy				250ml G		X																3PV					
-2		SB-13-15				7:52																													
-3		SB- 13 -30				8:18																													
-4		SB-14-5				8:48																													
-5		SB-14-15				9:14																													
-6		SB-14-30				9:38																													
-7		SB-15-5				10:05																													
-8		SB-15-15				10:30																													
-9		SB-15-30				11:00																													
-10		SB-16-5				11:22																													
-11		SB-16-15				12:06																													
-12		SB-16-30				12:34																													
-13		SB-17-5				13:22																													
-14		SB-17-15				13:49																													
-15		SB-17-30				14:16																													
Relinquished By <i>[Signature]</i>		Company SCSI		Date 9/27/19		Time 16:40		Received By <i>[Signature]</i>		Company A & R		Date 9/27/19		Time 16:40		Note: Samples are discarded 30 days after results are reported unless other arrangements are made.																			
Relinquished By		Company		Date		Time		Received By		Company		Date		Time																					

* 10 vials for analysis. 10/1

Matrix Code:	DW=Drinking Water GW=Ground Water WW=Waste Water SD=Solid Waste	SL=Sludge SS=Soil/Sediment AR=Air PP=Pure Product	Preservative Code	IC=Ice HC=HCl HN=HNO3	SH=NaOH ST=Na2S2O3 HS=H2SO4	* Sample Container Types: T=Tedlar Air Bag G=Glass Container ST= Steel Tube	B= Brass Tube P=Plastic Bottle V=VOA Vial	E= EnCore
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**A & R Laboratories**

1650 S. Grove Ave., Ste C, Ontario, CA 91761
 Tel: 951-779-0310 / 909-781-6335 Fax: 951-779-0344
 E-mail: office@arlaboratories.com

CHAIN OF CUSTODY

A & R Work Order #:

1909-218

Page 2 of 2

Client Name STANTEC CONSULTING SVCS, INC.				<input type="checkbox"/> Chilled		Analyses Requested										Turn Around Time Requested	
E-mail BRIAN.VIGGIANO@STANTEC.COM				<input checked="" type="checkbox"/> Intact		EPA8260B (VOCs & Oxygenates) EPA8260B(BTEX & Oxygenates) LUFT / 8015 (Gasoline) LUFT / 8015 (Diesel) EPA8081A (Organochlorine Pesticides) EPA 8082 (PCBs) EPA 8015M (Carbon Chain C4-C40) EPA 6010B/7000 (CAM 17 Metals) Micro: Plate Cnt., Coliform, E-Coli										<input type="checkbox"/> Rush 8 12 24 48 Hours <input type="checkbox"/> Normal	
Address 735 E. CARNEGIE DR, STE. 280, SAN BORDNO, CA				<input type="checkbox"/> Seal												Remarks	
Report Attention BRIAN V.		Phone # 909-255-8204		Sampled By KZ													
Project No./ Name		Project Site															
		333 W Gardena Blvd, Gardena, CA															
Lab # <small>(Lab use)</small>	Client Sample ID	Sample Collection		Matrix Type	Sample Preserve	No., type* & size of container	EPA8260B (VOCs & Oxygenates)	EPA8260B(BTEX & Oxygenates)	LUFT / 8015 (Gasoline)	LUFT / 8015 (Diesel)	EPA8081A (Organochlorine Pesticides)	EPA 8082 (PCBs)	EPA 8015M (Carbon Chain C4-C40)	EPA 6010B/7000 (CAM 17 Metals)	Micro: Plate Cnt., Coliform, E-Coli	Remarks	
-16	SB-18-5	9/27/19	14:50	Air		250ml G	X									3 PV	
-17	SB-18-15		15:10														
-18	SB-18-30		15:40														
-19	SB-18-30 Dup		15:40														
Relinquished By		Company SLST		Date 9/27/19	Time 16:40	Received By	Company A & R	Date 9/27/19	Time 16:40	Note: Samples are discarded 30 days after results are reported unless other arrangements are made.							
Relinquished By		Company		Date	Time	Received By	Company	Date	Time								

Matrix Code:	DW=Drinking Water GW=Ground Water WW=Waste Water SD=Solid Waste	SL=Sludge SS=Soil/Sediment AR=Air PP=Pure Product	Preservative Code	IC=Ice HC=HCl HN=HNO3	SH=NaOH ST=Na2S2O3 HS=H2SO4	* Sample Container Types: T=Tedlar Air Bag G=Glass Container ST= Steel Tube	B= Brass Tube P=Plastic Bottle V=VOA Vial	E= EnCore
--------------	--	--	-------------------	-----------------------------	-----------------------------------	--	---	-----------



October 01, 2019

Brian Viggiano
Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408
Tel: (909) 255-8204
Fax:(909) 335-6120

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

RE: ATL Work Order Number : 1903535
Client Reference : CTR - Carson, 185804367

Enclosed are the results for sample(s) received on September, 24 2019 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

A handwritten signature in black ink, appearing to read "Edgar Caballero", with a small "for" written below the first few letters.

Edgar Caballero
President & Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-13-1	1903535-01	Soil	9/23/19 9:11	9/24/19 13:05
SB-13-3	1903535-02	Soil	9/23/19 9:14	9/24/19 13:05
SB-13-5	1903535-03	Soil	9/23/19 9:27	9/24/19 13:05
SB-13-10	1903535-04	Soil	9/23/19 9:29	9/24/19 13:05
SB-13-15	1903535-05	Soil	9/23/19 9:33	9/24/19 13:05
SB-13-20	1903535-06	Soil	9/23/19 9:38	9/24/19 13:05
SB-13-25	1903535-07	Soil	9/23/19 9:42	9/24/19 13:05
SB-13-30	1903535-08	Soil	9/23/19 9:47	9/24/19 13:05
SB-14-1	1903535-09	Soil	9/23/19 10:34	9/24/19 13:05
SB-14-3	1903535-10	Soil	9/23/19 10:36	9/24/19 13:05
SB-14-5	1903535-11	Soil	9/23/19 10:41	9/24/19 13:05
SB-14-10	1903535-12	Soil	9/23/19 10:43	9/24/19 13:05
SB-14-15	1903535-13	Soil	9/23/19 10:46	9/24/19 13:05
SB-14-20	1903535-14	Soil	9/23/19 10:50	9/24/19 13:05
SB-14-25	1903535-15	Soil	9/23/19 11:01	9/24/19 13:05
SB-14-30	1903535-16	Soil	9/23/19 11:18	9/24/19 13:05
SB-15-1	1903535-17	Soil	9/23/19 12:28	9/24/19 13:05
SB-15-3	1903535-18	Soil	9/23/19 12:32	9/24/19 13:05
SB-15-5	1903535-19	Soil	9/23/19 12:41	9/24/19 13:05
SB-15-10	1903535-20	Soil	9/23/19 12:43	9/24/19 13:05
SB-15-15	1903535-21	Soil	9/23/19 12:46	9/24/19 13:05
SB-15-20	1903535-22	Soil	9/23/19 12:51	9/24/19 13:05
SB-15-25	1903535-23	Soil	9/23/19 12:58	9/24/19 13:05
SB-15-30	1903535-24	Soil	9/23/19 13:00	9/24/19 13:05
SB-16-1	1903535-25	Soil	9/23/19 13:38	9/24/19 13:05
SB-16-3	1903535-26	Soil	9/23/19 13:43	9/24/19 13:05
SB-16-5	1903535-27	Soil	9/23/19 13:50	9/24/19 13:05
SB-16-10	1903535-28	Soil	9/23/19 13:53	9/24/19 13:05
SB-16-15	1903535-29	Soil	9/23/19 13:55	9/24/19 13:05
SB-16-20	1903535-30	Soil	9/23/19 13:58	9/24/19 13:05
SB-16-25	1903535-31	Soil	9/23/19 14:01	9/24/19 13:05
SB-16-30	1903535-32	Soil	9/23/19 14:03	9/24/19 13:05
SB-17-1	1903535-33	Soil	9/24/19 7:03	9/24/19 13:05
SB-17-3	1903535-34	Soil	9/24/19 7:08	9/24/19 13:05
SB-17-5	1903535-35	Soil	9/24/19 7:21	9/24/19 13:05
SB-17-10	1903535-36	Soil	9/24/19 7:24	9/24/19 13:05
SB-17-15	1903535-37	Soil	9/24/19 7:27	9/24/19 13:05



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735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

SB-17-20	1903535-38	Soil	9/24/19 7:29	9/24/19 13:05
SB-17-25	1903535-39	Soil	9/24/19 7:35	9/24/19 13:05
SB-17-30	1903535-40	Soil	9/24/19 7:38	9/24/19 13:05
SB-18-1	1903535-41	Soil	9/24/19 8:09	9/24/19 13:05
SB-18-3	1903535-42	Soil	9/24/19 8:12	9/24/19 13:05
SB-18-5	1903535-43	Soil	9/24/19 8:18	9/24/19 13:05
SB-18-10	1903535-44	Soil	9/24/19 8:20	9/24/19 13:05
SB-18-15	1903535-45	Soil	9/24/19 8:22	9/24/19 13:05
SB-18-20	1903535-46	Soil	9/24/19 8:25	9/24/19 13:05
SB-18-25	1903535-47	Soil	9/24/19 8:28	9/24/19 13:05
SB-18-30	1903535-48	Soil	9/24/19 8:31	9/24/19 13:05



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Stantec
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San Bernardino , CA 92408

Project Number : CTR - Carson, 185804367
Report To : Brian Viggiano
Reported : 10/01/2019

Client Sample ID SB-13-1

Lab ID: 1903535-01

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: Kur

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B9I0912	09/30/2019	09/30/19 13:30	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>91.4 %</i>	<i>45 - 149</i>		B9I0912	09/30/2019	<i>09/30/19 13:30</i>	

Diesel Range Organics by EPA 8015B

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B9I0906	09/28/2019	09/30/19 17:54	
ORO	ND	10	1	B9I0906	09/28/2019	09/30/19 17:54	
<i>Surrogate: p-Terphenyl</i>	<i>76.5 %</i>	<i>58 - 172</i>		B9I0906	09/28/2019	<i>09/30/19 17:54</i>	



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Project Number : CTR - Carson, 185804367
Report To : Brian Viggiano
Reported : 10/01/2019

Client Sample ID SB-13-3
Lab ID: 1903535-02

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: Kur

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B9I0912	09/30/2019	09/30/19 13:49	
<i>Surrogate: 4-Bromofluorobenzene</i>	93.0 %	45 - 149		B9I0912	09/30/2019	09/30/19 13:49	

Diesel Range Organics by EPA 8015B

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B9I0906	09/28/2019	10/01/19 02:12	
ORO	15	10	1	B9I0906	09/28/2019	10/01/19 02:12	
<i>Surrogate: p-Terphenyl</i>	97.1 %	58 - 172		B9I0906	09/28/2019	10/01/19 02:12	



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San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-13-5

Lab ID: 1903535-03

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: Kur

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B9I0912	09/30/2019	09/30/19 14:07	
Surrogate: 4-Bromofluorobenzene	93.7 %	45 - 149		B9I0912	09/30/2019	09/30/19 14:07	

Diesel Range Organics by EPA 8015B

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B9I0906	09/28/2019	10/01/19 02:29	
ORO	ND	10	1	B9I0906	09/28/2019	10/01/19 02:29	
Surrogate: p-Terphenyl	103 %	58 - 172		B9I0906	09/28/2019	10/01/19 02:29	

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
1,1,1-Trichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
1,1,2-Trichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
1,1-Dichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
1,1-Dichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
1,1-Dichloropropene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
1,2,3-Trichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0827	09/26/2019	09/26/19 12:33	
1,2-Dibromoethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
1,2-Dichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
1,2-Dichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
1,2-Dichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
1,3-Dichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
1,3-Dichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
1,4-Dichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
2,2-Dichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
2-Chlorotoluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	



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Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-13-5

Lab ID: 1903535-03

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
4-Isopropyltoluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
Benzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
Bromobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
Bromochloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
Bromodichloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
Bromoform	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
Bromomethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
Carbon disulfide	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
Carbon tetrachloride	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
Chlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
Chloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
Chloroform	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
Chloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
cis-1,3-Dichloropropene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
Di-isopropyl ether	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
Dibromochloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
Dibromomethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
Dichlorodifluoromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
Ethyl Acetate	ND	50	1	B9I0827	09/26/2019	09/26/19 12:33	
Ethyl Ether	ND	50	1	B9I0827	09/26/2019	09/26/19 12:33	
Ethyl tert-butyl ether	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
Ethylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
Freon-113	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
Hexachlorobutadiene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
Isopropylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
m,p-Xylene	ND	10	1	B9I0827	09/26/2019	09/26/19 12:33	
Methylene chloride	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
MTBE	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
n-Butylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
n-Propylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
Naphthalene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
o-Xylene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
sec-Butylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
Styrene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
tert-Amyl methyl ether	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-13-5

Lab ID: 1903535-03

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	100	1	B9I0827	09/26/2019	09/26/19 12:33	
tert-Butylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
Tetrachloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
Toluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
Trichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
Trichlorofluoromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
Vinyl acetate	ND	50	1	B9I0827	09/26/2019	09/26/19 12:33	
Vinyl chloride	ND	5.0	1	B9I0827	09/26/2019	09/26/19 12:33	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>110 %</i>	<i>60 - 145</i>		B9I0827	09/26/2019	09/26/19 12:33	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>100 %</i>	<i>68 - 121</i>		B9I0827	09/26/2019	09/26/19 12:33	
<i>Surrogate: Dibromofluoromethane</i>	<i>105 %</i>	<i>65 - 137</i>		B9I0827	09/26/2019	09/26/19 12:33	
<i>Surrogate: Toluene-d8</i>	<i>102 %</i>	<i>82 - 119</i>		B9I0827	09/26/2019	09/26/19 12:33	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-13-10

Lab ID: 1903535-04

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
1,1,1-Trichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
1,1,2-Trichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
1,1-Dichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
1,1-Dichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
1,1-Dichloropropene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
1,2,3-Trichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0827	09/26/2019	09/26/19 16:20	
1,2-Dibromoethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
1,2-Dichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
1,2-Dichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
1,2-Dichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
1,3-Dichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
1,3-Dichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
1,4-Dichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
2,2-Dichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
2-Chlorotoluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
4-Chlorotoluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
4-Isopropyltoluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
Benzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
Bromobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
Bromochloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
Bromodichloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
Bromoform	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
Bromomethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
Carbon disulfide	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
Carbon tetrachloride	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
Chlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
Chloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
Chloroform	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
Chloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-13-10

Lab ID: 1903535-04

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
Di-isopropyl ether	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
Dibromochloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
Dibromomethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
Dichlorodifluoromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
Ethyl Acetate	ND	50	1	B9I0827	09/26/2019	09/26/19 16:20	
Ethyl Ether	ND	50	1	B9I0827	09/26/2019	09/26/19 16:20	
Ethyl tert-butyl ether	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
Ethylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
Freon-113	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
Hexachlorobutadiene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
Isopropylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
m,p-Xylene	ND	10	1	B9I0827	09/26/2019	09/26/19 16:20	
Methylene chloride	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
MTBE	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
n-Butylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
n-Propylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
Naphthalene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
o-Xylene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
sec-Butylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
Styrene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
tert-Amyl methyl ether	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
tert-Butanol	ND	100	1	B9I0827	09/26/2019	09/26/19 16:20	
tert-Butylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
Tetrachloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
Toluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
Trichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
Trichlorofluoromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	
Vinyl acetate	ND	50	1	B9I0827	09/26/2019	09/26/19 16:20	
Vinyl chloride	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:20	

Surrogate: 1,2-Dichloroethane-d4	118 %	60 - 145	B9I0827	09/26/2019	09/26/19 16:20
Surrogate: 4-Bromofluorobenzene	97.4 %	68 - 121	B9I0827	09/26/2019	09/26/19 16:20
Surrogate: Dibromofluoromethane	109 %	65 - 137	B9I0827	09/26/2019	09/26/19 16:20
Surrogate: Toluene-d8	101 %	82 - 119	B9I0827	09/26/2019	09/26/19 16:20



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-13-15

Lab ID: 1903535-05

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
1,1,1-Trichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
1,1,2-Trichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
1,1-Dichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
1,1-Dichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
1,1-Dichloropropene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
1,2,3-Trichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0827	09/26/2019	09/26/19 16:38	
1,2-Dibromoethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
1,2-Dichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
1,2-Dichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
1,2-Dichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
1,3-Dichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
1,3-Dichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
1,4-Dichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
2,2-Dichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
2-Chlorotoluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
4-Chlorotoluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
4-Isopropyltoluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
Benzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
Bromobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
Bromochloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
Bromodichloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
Bromoform	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
Bromomethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
Carbon disulfide	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
Carbon tetrachloride	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
Chlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
Chloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
Chloroform	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
Chloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-13-15

Lab ID: 1903535-05

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
Di-isopropyl ether	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
Dibromochloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
Dibromomethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
Dichlorodifluoromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
Ethyl Acetate	ND	50	1	B9I0827	09/26/2019	09/26/19 16:38	
Ethyl Ether	ND	50	1	B9I0827	09/26/2019	09/26/19 16:38	
Ethyl tert-butyl ether	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
Ethylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
Freon-113	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
Hexachlorobutadiene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
Isopropylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
m,p-Xylene	ND	10	1	B9I0827	09/26/2019	09/26/19 16:38	
Methylene chloride	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
MTBE	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
n-Butylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
n-Propylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
Naphthalene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
o-Xylene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
sec-Butylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
Styrene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
tert-Amyl methyl ether	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
tert-Butanol	ND	100	1	B9I0827	09/26/2019	09/26/19 16:38	
tert-Butylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
Tetrachloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
Toluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
Trichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
Trichlorofluoromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	
Vinyl acetate	ND	50	1	B9I0827	09/26/2019	09/26/19 16:38	
Vinyl chloride	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:38	

Surrogate: 1,2-Dichloroethane-d4	117 %	60 - 145	B9I0827	09/26/2019	09/26/19 16:38
Surrogate: 4-Bromofluorobenzene	97.3 %	68 - 121	B9I0827	09/26/2019	09/26/19 16:38
Surrogate: Dibromofluoromethane	110 %	65 - 137	B9I0827	09/26/2019	09/26/19 16:38
Surrogate: Toluene-d8	102 %	82 - 119	B9I0827	09/26/2019	09/26/19 16:38



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-13-20

Lab ID: 1903535-06

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
1,1,1-Trichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
1,1,2-Trichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
1,1-Dichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
1,1-Dichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
1,1-Dichloropropene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
1,2,3-Trichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0827	09/26/2019	09/26/19 16:57	
1,2-Dibromoethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
1,2-Dichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
1,2-Dichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
1,2-Dichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
1,3-Dichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
1,3-Dichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
1,4-Dichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
2,2-Dichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
2-Chlorotoluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
4-Chlorotoluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
4-Isopropyltoluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
Benzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
Bromobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
Bromochloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
Bromodichloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
Bromoform	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
Bromomethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
Carbon disulfide	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
Carbon tetrachloride	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
Chlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
Chloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
Chloroform	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
Chloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-13-20

Lab ID: 1903535-06

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
Di-isopropyl ether	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
Dibromochloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
Dibromomethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
Dichlorodifluoromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
Ethyl Acetate	ND	50	1	B9I0827	09/26/2019	09/26/19 16:57	
Ethyl Ether	ND	50	1	B9I0827	09/26/2019	09/26/19 16:57	
Ethyl tert-butyl ether	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
Ethylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
Freon-113	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
Hexachlorobutadiene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
Isopropylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
m,p-Xylene	ND	10	1	B9I0827	09/26/2019	09/26/19 16:57	
Methylene chloride	6.4	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
MTBE	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
n-Butylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
n-Propylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
Naphthalene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
o-Xylene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
sec-Butylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
Styrene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
tert-Amyl methyl ether	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
tert-Butanol	ND	100	1	B9I0827	09/26/2019	09/26/19 16:57	
tert-Butylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
Tetrachloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
Toluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
Trichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
Trichlorofluoromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	
Vinyl acetate	ND	50	1	B9I0827	09/26/2019	09/26/19 16:57	
Vinyl chloride	ND	5.0	1	B9I0827	09/26/2019	09/26/19 16:57	

Surrogate: 1,2-Dichloroethane-d4	122 %	60 - 145	B9I0827	09/26/2019	09/26/19 16:57
Surrogate: 4-Bromofluorobenzene	97.6 %	68 - 121	B9I0827	09/26/2019	09/26/19 16:57
Surrogate: Dibromofluoromethane	114 %	65 - 137	B9I0827	09/26/2019	09/26/19 16:57
Surrogate: Toluene-d8	101 %	82 - 119	B9I0827	09/26/2019	09/26/19 16:57



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-13-25

Lab ID: 1903535-07

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
1,1,1-Trichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
1,1,2-Trichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
1,1-Dichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
1,1-Dichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
1,1-Dichloropropene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
1,2,3-Trichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0827	09/26/2019	09/26/19 17:16	
1,2-Dibromoethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
1,2-Dichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
1,2-Dichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
1,2-Dichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
1,3-Dichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
1,3-Dichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
1,4-Dichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
2,2-Dichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
2-Chlorotoluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
4-Chlorotoluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
4-Isopropyltoluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
Benzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
Bromobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
Bromochloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
Bromodichloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
Bromoform	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
Bromomethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
Carbon disulfide	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
Carbon tetrachloride	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
Chlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
Chloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
Chloroform	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
Chloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-13-25

Lab ID: 1903535-07

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
Di-isopropyl ether	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
Dibromochloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
Dibromomethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
Dichlorodifluoromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
Ethyl Acetate	ND	50	1	B9I0827	09/26/2019	09/26/19 17:16	
Ethyl Ether	ND	50	1	B9I0827	09/26/2019	09/26/19 17:16	
Ethyl tert-butyl ether	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
Ethylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
Freon-113	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
Hexachlorobutadiene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
Isopropylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
m,p-Xylene	ND	10	1	B9I0827	09/26/2019	09/26/19 17:16	
Methylene chloride	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
MTBE	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
n-Butylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
n-Propylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
Naphthalene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
o-Xylene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
sec-Butylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
Styrene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
tert-Amyl methyl ether	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
tert-Butanol	ND	100	1	B9I0827	09/26/2019	09/26/19 17:16	
tert-Butylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
Tetrachloroethene	9.7	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
Toluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
Trichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
Trichlorofluoromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	
Vinyl acetate	ND	50	1	B9I0827	09/26/2019	09/26/19 17:16	
Vinyl chloride	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:16	

Surrogate: 1,2-Dichloroethane-d4	120 %	60 - 145	B9I0827	09/26/2019	09/26/19 17:16
Surrogate: 4-Bromofluorobenzene	96.0 %	68 - 121	B9I0827	09/26/2019	09/26/19 17:16
Surrogate: Dibromofluoromethane	110 %	65 - 137	B9I0827	09/26/2019	09/26/19 17:16
Surrogate: Toluene-d8	102 %	82 - 119	B9I0827	09/26/2019	09/26/19 17:16



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-13-30

Lab ID: 1903535-08

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
1,1,1-Trichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
1,1,2-Trichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
1,1-Dichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
1,1-Dichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
1,1-Dichloropropene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
1,2,3-Trichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0827	09/26/2019	09/26/19 17:34	
1,2-Dibromoethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
1,2-Dichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
1,2-Dichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
1,2-Dichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
1,3-Dichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
1,3-Dichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
1,4-Dichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
2,2-Dichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
2-Chlorotoluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
4-Chlorotoluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
4-Isopropyltoluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
Benzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
Bromobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
Bromochloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
Bromodichloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
Bromoform	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
Bromomethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
Carbon disulfide	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
Carbon tetrachloride	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
Chlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
Chloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
Chloroform	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
Chloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-13-30

Lab ID: 1903535-08

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
Di-isopropyl ether	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
Dibromochloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
Dibromomethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
Dichlorodifluoromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
Ethyl Acetate	ND	50	1	B9I0827	09/26/2019	09/26/19 17:34	
Ethyl Ether	ND	50	1	B9I0827	09/26/2019	09/26/19 17:34	
Ethyl tert-butyl ether	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
Ethylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
Freon-113	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
Hexachlorobutadiene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
Isopropylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
m,p-Xylene	ND	10	1	B9I0827	09/26/2019	09/26/19 17:34	
Methylene chloride	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
MTBE	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
n-Butylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
n-Propylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
Naphthalene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
o-Xylene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
sec-Butylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
Styrene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
tert-Amyl methyl ether	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
tert-Butanol	ND	100	1	B9I0827	09/26/2019	09/26/19 17:34	
tert-Butylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
Tetrachloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
Toluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
Trichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
Trichlorofluoromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	
Vinyl acetate	ND	50	1	B9I0827	09/26/2019	09/26/19 17:34	
Vinyl chloride	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:34	

Surrogate: 1,2-Dichloroethane-d4	117 %	60 - 145	B9I0827	09/26/2019	09/26/19 17:34
Surrogate: 4-Bromofluorobenzene	96.6 %	68 - 121	B9I0827	09/26/2019	09/26/19 17:34
Surrogate: Dibromofluoromethane	111 %	65 - 137	B9I0827	09/26/2019	09/26/19 17:34
Surrogate: Toluene-d8	102 %	82 - 119	B9I0827	09/26/2019	09/26/19 17:34



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino , CA 92408

Project Number : CTR - Carson, 185804367
Report To : Brian Viggiano
Reported : 10/01/2019

Client Sample ID SB-14-1
Lab ID: 1903535-09

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: Kur

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B9I0908	09/29/2019	09/29/19 01:02	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>94.0 %</i>	<i>45 - 149</i>		B9I0908	09/29/2019	09/29/19 01:02	

Diesel Range Organics by EPA 8015B

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B9I0906	09/28/2019	10/01/19 02:45	
ORO	ND	10	1	B9I0906	09/28/2019	10/01/19 02:45	
<i>Surrogate: p-Terphenyl</i>	<i>104 %</i>	<i>58 - 172</i>		B9I0906	09/28/2019	10/01/19 02:45	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino , CA 92408

Project Number : CTR - Carson, 185804367
Report To : Brian Viggiano
Reported : 10/01/2019

Client Sample ID SB-14-3
Lab ID: 1903535-10

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: Kur

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B9I0908	09/29/2019	09/29/19 01:20	
<i>Surrogate: 4-Bromofluorobenzene</i>	91.8 %	45 - 149		B9I0908	09/29/2019	09/29/19 01:20	

Diesel Range Organics by EPA 8015B

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B9I0906	09/28/2019	10/01/19 03:02	
ORO	ND	10	1	B9I0906	09/28/2019	10/01/19 03:02	
<i>Surrogate: p-Terphenyl</i>	96.6 %	58 - 172		B9I0906	09/28/2019	10/01/19 03:02	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-14-5

Lab ID: 1903535-11

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: Kur

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B9I0908	09/29/2019	09/29/19 01:39	
Surrogate: 4-Bromofluorobenzene	97.3 %	45 - 149		B9I0908	09/29/2019	09/29/19 01:39	

Diesel Range Organics by EPA 8015B

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B9I0906	09/28/2019	10/01/19 03:19	
ORO	ND	10	1	B9I0906	09/28/2019	10/01/19 03:19	
Surrogate: p-Terphenyl	95.3 %	58 - 172		B9I0906	09/28/2019	10/01/19 03:19	

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
1,1,1-Trichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
1,1,2-Trichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
1,1-Dichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
1,1-Dichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
1,1-Dichloropropene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
1,2,3-Trichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0827	09/26/2019	09/26/19 17:53	
1,2-Dibromoethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
1,2-Dichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
1,2-Dichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
1,2-Dichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
1,3-Dichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
1,3-Dichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
1,4-Dichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
2,2-Dichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
2-Chlorotoluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-14-5

Lab ID: 1903535-11

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
4-Isopropyltoluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
Benzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
Bromobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
Bromochloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
Bromodichloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
Bromoform	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
Bromomethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
Carbon disulfide	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
Carbon tetrachloride	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
Chlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
Chloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
Chloroform	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
Chloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
cis-1,3-Dichloropropene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
Di-isopropyl ether	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
Dibromochloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
Dibromomethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
Dichlorodifluoromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
Ethyl Acetate	ND	50	1	B9I0827	09/26/2019	09/26/19 17:53	
Ethyl Ether	ND	50	1	B9I0827	09/26/2019	09/26/19 17:53	
Ethyl tert-butyl ether	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
Ethylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
Freon-113	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
Hexachlorobutadiene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
Isopropylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
m,p-Xylene	ND	10	1	B9I0827	09/26/2019	09/26/19 17:53	
Methylene chloride	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
MTBE	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
n-Butylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
n-Propylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
Naphthalene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
o-Xylene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
sec-Butylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
Styrene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
tert-Amyl methyl ether	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-14-5

Lab ID: 1903535-11

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	100	1	B9I0827	09/26/2019	09/26/19 17:53	
tert-Butylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
Tetrachloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
Toluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
Trichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
Trichlorofluoromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
Vinyl acetate	ND	50	1	B9I0827	09/26/2019	09/26/19 17:53	
Vinyl chloride	ND	5.0	1	B9I0827	09/26/2019	09/26/19 17:53	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>128 %</i>	<i>60 - 145</i>		B9I0827	09/26/2019	09/26/19 17:53	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>95.6 %</i>	<i>68 - 121</i>		B9I0827	09/26/2019	09/26/19 17:53	
<i>Surrogate: Dibromofluoromethane</i>	<i>114 %</i>	<i>65 - 137</i>		B9I0827	09/26/2019	09/26/19 17:53	
<i>Surrogate: Toluene-d8</i>	<i>101 %</i>	<i>82 - 119</i>		B9I0827	09/26/2019	09/26/19 17:53	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-14-10

Lab ID: 1903535-12

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
1,1,1-Trichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
1,1,2-Trichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
1,1-Dichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
1,1-Dichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
1,1-Dichloropropene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
1,2,3-Trichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0827	09/26/2019	09/26/19 18:12	
1,2-Dibromoethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
1,2-Dichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
1,2-Dichloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
1,2-Dichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
1,3-Dichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
1,3-Dichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
1,4-Dichlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
2,2-Dichloropropane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
2-Chlorotoluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
4-Chlorotoluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
4-Isopropyltoluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
Benzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
Bromobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
Bromochloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
Bromodichloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
Bromoform	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
Bromomethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
Carbon disulfide	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
Carbon tetrachloride	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
Chlorobenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
Chloroethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
Chloroform	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
Chloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-14-10

Lab ID: 1903535-12

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
Di-isopropyl ether	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
Dibromochloromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
Dibromomethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
Dichlorodifluoromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
Ethyl Acetate	ND	50	1	B9I0827	09/26/2019	09/26/19 18:12	
Ethyl Ether	ND	50	1	B9I0827	09/26/2019	09/26/19 18:12	
Ethyl tert-butyl ether	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
Ethylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
Freon-113	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
Hexachlorobutadiene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
Isopropylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
m,p-Xylene	ND	10	1	B9I0827	09/26/2019	09/26/19 18:12	
Methylene chloride	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
MTBE	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
n-Butylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
n-Propylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
Naphthalene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
o-Xylene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
sec-Butylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
Styrene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
tert-Amyl methyl ether	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
tert-Butanol	ND	100	1	B9I0827	09/26/2019	09/26/19 18:12	
tert-Butylbenzene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
Tetrachloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
Toluene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
Trichloroethene	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
Trichlorofluoromethane	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	
Vinyl acetate	ND	50	1	B9I0827	09/26/2019	09/26/19 18:12	
Vinyl chloride	ND	5.0	1	B9I0827	09/26/2019	09/26/19 18:12	

Surrogate: 1,2-Dichloroethane-d4	124 %	60 - 145	B9I0827	09/26/2019	09/26/19 18:12
Surrogate: 4-Bromofluorobenzene	97.7 %	68 - 121	B9I0827	09/26/2019	09/26/19 18:12
Surrogate: Dibromofluoromethane	112 %	65 - 137	B9I0827	09/26/2019	09/26/19 18:12
Surrogate: Toluene-d8	102 %	82 - 119	B9I0827	09/26/2019	09/26/19 18:12



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-14-15

Lab ID: 1903535-13

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
1,1,1-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
1,1,2-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
1,1-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
1,1-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
1,1-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
1,2,3-Trichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0869	09/27/2019	09/27/19 12:57	
1,2-Dibromoethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
1,2-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
1,2-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
1,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
1,3-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
1,3-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
1,4-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
2,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
2-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
4-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
4-Isopropyltoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
Benzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
Bromobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
Bromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
Bromodichloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
Bromoform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
Bromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
Carbon disulfide	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
Carbon tetrachloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
Chlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
Chloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
Chloroform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
Chloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-14-15

Lab ID: 1903535-13

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
Di-isopropyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
Dibromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
Dibromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
Dichlorodifluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
Ethyl Acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 12:57	
Ethyl Ether	ND	50	1	B9I0869	09/27/2019	09/27/19 12:57	
Ethyl tert-butyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
Ethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
Freon-113	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
Hexachlorobutadiene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
Isopropylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
m,p-Xylene	ND	10	1	B9I0869	09/27/2019	09/27/19 12:57	
Methylene chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
MTBE	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
n-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
n-Propylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
Naphthalene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
o-Xylene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
sec-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
Styrene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
tert-Amyl methyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
tert-Butanol	ND	100	1	B9I0869	09/27/2019	09/27/19 12:57	
tert-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
Tetrachloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
Toluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
Trichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
Trichlorofluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	
Vinyl acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 12:57	
Vinyl chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 12:57	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>113 %</i>	<i>60 - 145</i>		B9I0869	09/27/2019	09/27/19 12:57	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>97.2 %</i>	<i>68 - 121</i>		B9I0869	09/27/2019	09/27/19 12:57	
<i>Surrogate: Dibromofluoromethane</i>	<i>109 %</i>	<i>65 - 137</i>		B9I0869	09/27/2019	09/27/19 12:57	
<i>Surrogate: Toluene-d8</i>	<i>99.5 %</i>	<i>82 - 119</i>		B9I0869	09/27/2019	09/27/19 12:57	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-14-20

Lab ID: 1903535-14

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
1,1,1-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
1,1,2-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
1,1-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
1,1-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
1,1-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
1,2,3-Trichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0869	09/27/2019	09/27/19 13:16	
1,2-Dibromoethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
1,2-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
1,2-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
1,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
1,3-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
1,3-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
1,4-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
2,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
2-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
4-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
4-Isopropyltoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
Benzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
Bromobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
Bromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
Bromodichloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
Bromoform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
Bromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
Carbon disulfide	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
Carbon tetrachloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
Chlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
Chloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
Chloroform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
Chloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-14-20

Lab ID: 1903535-14

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
Di-isopropyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
Dibromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
Dibromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
Dichlorodifluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
Ethyl Acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 13:16	
Ethyl Ether	ND	50	1	B9I0869	09/27/2019	09/27/19 13:16	
Ethyl tert-butyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
Ethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
Freon-113	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
Hexachlorobutadiene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
Isopropylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
m,p-Xylene	ND	10	1	B9I0869	09/27/2019	09/27/19 13:16	
Methylene chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
MTBE	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
n-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
n-Propylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
Naphthalene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
o-Xylene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
sec-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
Styrene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
tert-Amyl methyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
tert-Butanol	ND	100	1	B9I0869	09/27/2019	09/27/19 13:16	
tert-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
Tetrachloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
Toluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
Trichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
Trichlorofluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	
Vinyl acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 13:16	
Vinyl chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:16	

Surrogate: 1,2-Dichloroethane-d4	120 %	60 - 145		B9I0869	09/27/2019	09/27/19 13:16
Surrogate: 4-Bromofluorobenzene	94.6 %	68 - 121		B9I0869	09/27/2019	09/27/19 13:16
Surrogate: Dibromofluoromethane	109 %	65 - 137		B9I0869	09/27/2019	09/27/19 13:16
Surrogate: Toluene-d8	102 %	82 - 119		B9I0869	09/27/2019	09/27/19 13:16



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-14-25

Lab ID: 1903535-15

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
1,1,1-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
1,1,2-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
1,1-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
1,1-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
1,1-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
1,2,3-Trichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0869	09/27/2019	09/27/19 13:35	
1,2-Dibromoethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
1,2-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
1,2-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
1,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
1,3-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
1,3-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
1,4-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
2,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
2-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
4-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
4-Isopropyltoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
Benzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
Bromobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
Bromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
Bromodichloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
Bromoform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
Bromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
Carbon disulfide	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
Carbon tetrachloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
Chlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
Chloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
Chloroform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
Chloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-14-25

Lab ID: 1903535-15

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
Di-isopropyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
Dibromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
Dibromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
Dichlorodifluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
Ethyl Acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 13:35	
Ethyl Ether	ND	50	1	B9I0869	09/27/2019	09/27/19 13:35	
Ethyl tert-butyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
Ethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
Freon-113	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
Hexachlorobutadiene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
Isopropylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
m,p-Xylene	ND	10	1	B9I0869	09/27/2019	09/27/19 13:35	
Methylene chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
MTBE	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
n-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
n-Propylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
Naphthalene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
o-Xylene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
sec-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
Styrene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
tert-Amyl methyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
tert-Butanol	ND	100	1	B9I0869	09/27/2019	09/27/19 13:35	
tert-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
Tetrachloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
Toluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
Trichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
Trichlorofluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	
Vinyl acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 13:35	
Vinyl chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:35	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>124 %</i>	<i>60 - 145</i>		B9I0869	09/27/2019	09/27/19 13:35	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>97.1 %</i>	<i>68 - 121</i>		B9I0869	09/27/2019	09/27/19 13:35	
<i>Surrogate: Dibromofluoromethane</i>	<i>111 %</i>	<i>65 - 137</i>		B9I0869	09/27/2019	09/27/19 13:35	
<i>Surrogate: Toluene-d8</i>	<i>102 %</i>	<i>82 - 119</i>		B9I0869	09/27/2019	09/27/19 13:35	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-14-30

Lab ID: 1903535-16

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
1,1,1-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
1,1,2-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
1,1-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
1,1-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
1,1-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
1,2,3-Trichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0869	09/27/2019	09/27/19 13:53	
1,2-Dibromoethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
1,2-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
1,2-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
1,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
1,3-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
1,3-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
1,4-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
2,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
2-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
4-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
4-Isopropyltoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
Benzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
Bromobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
Bromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
Bromodichloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
Bromoform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
Bromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
Carbon disulfide	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
Carbon tetrachloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
Chlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
Chloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
Chloroform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
Chloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-14-30

Lab ID: 1903535-16

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
Di-isopropyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
Dibromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
Dibromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
Dichlorodifluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
Ethyl Acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 13:53	
Ethyl Ether	ND	50	1	B9I0869	09/27/2019	09/27/19 13:53	
Ethyl tert-butyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
Ethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
Freon-113	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
Hexachlorobutadiene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
Isopropylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
m,p-Xylene	ND	10	1	B9I0869	09/27/2019	09/27/19 13:53	
Methylene chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
MTBE	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
n-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
n-Propylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
Naphthalene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
o-Xylene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
sec-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
Styrene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
tert-Amyl methyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
tert-Butanol	ND	100	1	B9I0869	09/27/2019	09/27/19 13:53	
tert-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
Tetrachloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
Toluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
Trichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
Trichlorofluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	
Vinyl acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 13:53	
Vinyl chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 13:53	

Surrogate: 1,2-Dichloroethane-d4	124 %	60 - 145		B9I0869	09/27/2019	09/27/19 13:53
Surrogate: 4-Bromofluorobenzene	95.4 %	68 - 121		B9I0869	09/27/2019	09/27/19 13:53
Surrogate: Dibromofluoromethane	111 %	65 - 137		B9I0869	09/27/2019	09/27/19 13:53
Surrogate: Toluene-d8	98.7 %	82 - 119		B9I0869	09/27/2019	09/27/19 13:53



Certificate of Analysis

Stantec
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Project Number : CTR - Carson, 185804367
Report To : Brian Viggiano
Reported : 10/01/2019

Client Sample ID SB-15-1
Lab ID: 1903535-17

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: Kur

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B9I0908	09/29/2019	09/29/19 01:57	
<i>Surrogate: 4-Bromofluorobenzene</i>	93.8 %	45 - 149		B9I0908	09/29/2019	09/29/19 01:57	

Diesel Range Organics by EPA 8015B

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B9I0906	09/28/2019	10/01/19 05:51	
ORO	ND	10	1	B9I0906	09/28/2019	10/01/19 05:51	
<i>Surrogate: p-Terphenyl</i>	102 %	58 - 172		B9I0906	09/28/2019	10/01/19 05:51	



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Project Number : CTR - Carson, 185804367
Report To : Brian Viggiano
Reported : 10/01/2019

Client Sample ID SB-15-3
Lab ID: 1903535-18

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: Kur

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B9I0908	09/29/2019	09/29/19 02:16	
<i>Surrogate: 4-Bromofluorobenzene</i>	92.8 %	45 - 149		B9I0908	09/29/2019	09/29/19 02:16	

Diesel Range Organics by EPA 8015B

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B9I0906	09/28/2019	10/01/19 03:36	
ORO	ND	10	1	B9I0906	09/28/2019	10/01/19 03:36	
<i>Surrogate: p-Terphenyl</i>	101 %	58 - 172		B9I0906	09/28/2019	10/01/19 03:36	



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Stantec
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San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-15-5

Lab ID: 1903535-19

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: Kur

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B9I0908	09/29/2019	09/29/19 02:35	
Surrogate: 4-Bromofluorobenzene	94.1 %	45 - 149		B9I0908	09/29/2019	09/29/19 02:35	

Diesel Range Organics by EPA 8015B

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B9I0906	09/28/2019	10/01/19 03:53	
ORO	ND	10	1	B9I0906	09/28/2019	10/01/19 03:53	
Surrogate: p-Terphenyl	96.2 %	58 - 172		B9I0906	09/28/2019	10/01/19 03:53	

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
1,1,1-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
1,1,2-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
1,1-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
1,1-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
1,1-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
1,2,3-Trichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0869	09/27/2019	09/27/19 14:12	
1,2-Dibromoethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
1,2-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
1,2-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
1,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
1,3-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
1,3-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
1,4-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
2,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
2-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	



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Stantec
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San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-15-5

Lab ID: 1903535-19

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
4-Isopropyltoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
Benzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
Bromobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
Bromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
Bromodichloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
Bromoform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
Bromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
Carbon disulfide	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
Carbon tetrachloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
Chlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
Chloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
Chloroform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
Chloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
cis-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
Di-isopropyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
Dibromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
Dibromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
Dichlorodifluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
Ethyl Acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 14:12	
Ethyl Ether	ND	50	1	B9I0869	09/27/2019	09/27/19 14:12	
Ethyl tert-butyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
Ethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
Freon-113	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
Hexachlorobutadiene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
Isopropylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
m,p-Xylene	ND	10	1	B9I0869	09/27/2019	09/27/19 14:12	
Methylene chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
MTBE	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
n-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
n-Propylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
Naphthalene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
o-Xylene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
sec-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
Styrene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
tert-Amyl methyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino , CA 92408

Project Number : CTR - Carson, 185804367
Report To : Brian Viggiano
Reported : 10/01/2019

Client Sample ID SB-15-5

Lab ID: 1903535-19

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	100	1	B9I0869	09/27/2019	09/27/19 14:12	
tert-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
Tetrachloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
Toluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
Trichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
Trichlorofluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
Vinyl acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 14:12	
Vinyl chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:12	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>126 %</i>	<i>60 - 145</i>		B9I0869	09/27/2019	09/27/19 14:12	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>96.9 %</i>	<i>68 - 121</i>		B9I0869	09/27/2019	09/27/19 14:12	
<i>Surrogate: Dibromofluoromethane</i>	<i>112 %</i>	<i>65 - 137</i>		B9I0869	09/27/2019	09/27/19 14:12	
<i>Surrogate: Toluene-d8</i>	<i>101 %</i>	<i>82 - 119</i>		B9I0869	09/27/2019	09/27/19 14:12	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-15-10

Lab ID: 1903535-20

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
1,1,1-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
1,1,2-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
1,1-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
1,1-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
1,1-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
1,2,3-Trichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0869	09/27/2019	09/27/19 14:31	
1,2-Dibromoethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
1,2-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
1,2-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
1,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
1,3-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
1,3-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
1,4-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
2,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
2-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
4-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
4-Isopropyltoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
Benzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
Bromobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
Bromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
Bromodichloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
Bromoform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
Bromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
Carbon disulfide	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
Carbon tetrachloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
Chlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
Chloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
Chloroform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
Chloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-15-10

Lab ID: 1903535-20

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
Di-isopropyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
Dibromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
Dibromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
Dichlorodifluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
Ethyl Acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 14:31	
Ethyl Ether	ND	50	1	B9I0869	09/27/2019	09/27/19 14:31	
Ethyl tert-butyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
Ethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
Freon-113	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
Hexachlorobutadiene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
Isopropylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
m,p-Xylene	ND	10	1	B9I0869	09/27/2019	09/27/19 14:31	
Methylene chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
MTBE	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
n-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
n-Propylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
Naphthalene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
o-Xylene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
sec-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
Styrene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
tert-Amyl methyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
tert-Butanol	ND	100	1	B9I0869	09/27/2019	09/27/19 14:31	
tert-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
Tetrachloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
Toluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
Trichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
Trichlorofluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	
Vinyl acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 14:31	
Vinyl chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:31	

Surrogate: 1,2-Dichloroethane-d4	128 %	60 - 145	B9I0869	09/27/2019	09/27/19 14:31
Surrogate: 4-Bromofluorobenzene	98.9 %	68 - 121	B9I0869	09/27/2019	09/27/19 14:31
Surrogate: Dibromofluoromethane	113 %	65 - 137	B9I0869	09/27/2019	09/27/19 14:31
Surrogate: Toluene-d8	103 %	82 - 119	B9I0869	09/27/2019	09/27/19 14:31



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-15-15

Lab ID: 1903535-21

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
1,1,1-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
1,1,2-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
1,1-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
1,1-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
1,1-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
1,2,3-Trichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0869	09/27/2019	09/27/19 14:50	
1,2-Dibromoethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
1,2-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
1,2-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
1,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
1,3-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
1,3-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
1,4-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
2,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
2-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
4-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
4-Isopropyltoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
Benzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
Bromobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
Bromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
Bromodichloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
Bromoform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
Bromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
Carbon disulfide	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
Carbon tetrachloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
Chlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
Chloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
Chloroform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
Chloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-15-15

Lab ID: 1903535-21

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
Di-isopropyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
Dibromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
Dibromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
Dichlorodifluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
Ethyl Acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 14:50	
Ethyl Ether	ND	50	1	B9I0869	09/27/2019	09/27/19 14:50	
Ethyl tert-butyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
Ethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
Freon-113	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
Hexachlorobutadiene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
Isopropylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
m,p-Xylene	ND	10	1	B9I0869	09/27/2019	09/27/19 14:50	
Methylene chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
MTBE	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
n-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
n-Propylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
Naphthalene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
o-Xylene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
sec-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
Styrene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
tert-Amyl methyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
tert-Butanol	ND	100	1	B9I0869	09/27/2019	09/27/19 14:50	
tert-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
Tetrachloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
Toluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
Trichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
Trichlorofluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	
Vinyl acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 14:50	
Vinyl chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 14:50	

Surrogate: 1,2-Dichloroethane-d4	124 %	60 - 145		B9I0869	09/27/2019	09/27/19 14:50
Surrogate: 4-Bromofluorobenzene	98.3 %	68 - 121		B9I0869	09/27/2019	09/27/19 14:50
Surrogate: Dibromofluoromethane	111 %	65 - 137		B9I0869	09/27/2019	09/27/19 14:50
Surrogate: Toluene-d8	101 %	82 - 119		B9I0869	09/27/2019	09/27/19 14:50



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-15-20

Lab ID: 1903535-22

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
1,1,1-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
1,1,2-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
1,1-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
1,1-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
1,1-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
1,2,3-Trichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0869	09/27/2019	09/27/19 15:09	
1,2-Dibromoethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
1,2-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
1,2-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
1,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
1,3-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
1,3-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
1,4-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
2,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
2-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
4-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
4-Isopropyltoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
Benzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
Bromobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
Bromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
Bromodichloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
Bromoform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
Bromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
Carbon disulfide	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
Carbon tetrachloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
Chlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
Chloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
Chloroform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
Chloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-15-20

Lab ID: 1903535-22

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
Di-isopropyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
Dibromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
Dibromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
Dichlorodifluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
Ethyl Acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 15:09	
Ethyl Ether	ND	50	1	B9I0869	09/27/2019	09/27/19 15:09	
Ethyl tert-butyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
Ethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
Freon-113	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
Hexachlorobutadiene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
Isopropylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
m,p-Xylene	ND	10	1	B9I0869	09/27/2019	09/27/19 15:09	
Methylene chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
MTBE	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
n-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
n-Propylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
Naphthalene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
o-Xylene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
sec-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
Styrene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
tert-Amyl methyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
tert-Butanol	ND	100	1	B9I0869	09/27/2019	09/27/19 15:09	
tert-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
Tetrachloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
Toluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
Trichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
Trichlorofluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
Vinyl acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 15:09	
Vinyl chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:09	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>127 %</i>	<i>60 - 145</i>		B9I0869	09/27/2019	<i>09/27/19 15:09</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>96.3 %</i>	<i>68 - 121</i>		B9I0869	09/27/2019	<i>09/27/19 15:09</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>114 %</i>	<i>65 - 137</i>		B9I0869	09/27/2019	<i>09/27/19 15:09</i>	
<i>Surrogate: Toluene-d8</i>	<i>101 %</i>	<i>82 - 119</i>		B9I0869	09/27/2019	<i>09/27/19 15:09</i>	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-15-25

Lab ID: 1903535-23

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
1,1,1-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
1,1,2-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
1,1-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
1,1-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
1,1-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
1,2,3-Trichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0869	09/27/2019	09/27/19 15:28	
1,2-Dibromoethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
1,2-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
1,2-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
1,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
1,3-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
1,3-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
1,4-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
2,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
2-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
4-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
4-Isopropyltoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
Benzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
Bromobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
Bromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
Bromodichloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
Bromoform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
Bromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
Carbon disulfide	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
Carbon tetrachloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
Chlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
Chloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
Chloroform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
Chloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-15-25

Lab ID: 1903535-23

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
Di-isopropyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
Dibromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
Dibromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
Dichlorodifluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
Ethyl Acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 15:28	
Ethyl Ether	ND	50	1	B9I0869	09/27/2019	09/27/19 15:28	
Ethyl tert-butyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
Ethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
Freon-113	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
Hexachlorobutadiene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
Isopropylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
m,p-Xylene	ND	10	1	B9I0869	09/27/2019	09/27/19 15:28	
Methylene chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
MTBE	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
n-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
n-Propylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
Naphthalene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
o-Xylene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
sec-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
Styrene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
tert-Amyl methyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
tert-Butanol	ND	100	1	B9I0869	09/27/2019	09/27/19 15:28	
tert-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
Tetrachloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
Toluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
Trichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
Trichlorofluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	
Vinyl acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 15:28	
Vinyl chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:28	

Surrogate: 1,2-Dichloroethane-d4	126 %	60 - 145	B9I0869	09/27/2019	09/27/19 15:28
Surrogate: 4-Bromofluorobenzene	95.9 %	68 - 121	B9I0869	09/27/2019	09/27/19 15:28
Surrogate: Dibromofluoromethane	114 %	65 - 137	B9I0869	09/27/2019	09/27/19 15:28
Surrogate: Toluene-d8	101 %	82 - 119	B9I0869	09/27/2019	09/27/19 15:28



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-15-30

Lab ID: 1903535-24

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
1,1,1-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
1,1,2-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
1,1-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
1,1-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
1,1-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
1,2,3-Trichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0869	09/27/2019	09/27/19 15:47	
1,2-Dibromoethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
1,2-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
1,2-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
1,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
1,3-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
1,3-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
1,4-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
2,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
2-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
4-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
4-Isopropyltoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
Benzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
Bromobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
Bromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
Bromodichloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
Bromoform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
Bromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
Carbon disulfide	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
Carbon tetrachloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
Chlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
Chloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
Chloroform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
Chloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-15-30

Lab ID: 1903535-24

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
Di-isopropyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
Dibromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
Dibromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
Dichlorodifluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
Ethyl Acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 15:47	
Ethyl Ether	ND	50	1	B9I0869	09/27/2019	09/27/19 15:47	
Ethyl tert-butyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
Ethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
Freon-113	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
Hexachlorobutadiene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
Isopropylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
m,p-Xylene	ND	10	1	B9I0869	09/27/2019	09/27/19 15:47	
Methylene chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
MTBE	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
n-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
n-Propylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
Naphthalene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
o-Xylene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
sec-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
Styrene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
tert-Amyl methyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
tert-Butanol	ND	100	1	B9I0869	09/27/2019	09/27/19 15:47	
tert-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
Tetrachloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
Toluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
Trichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
Trichlorofluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	
Vinyl acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 15:47	
Vinyl chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 15:47	

Surrogate: 1,2-Dichloroethane-d4	125 %	60 - 145		B9I0869	09/27/2019	09/27/19 15:47
Surrogate: 4-Bromofluorobenzene	98.9 %	68 - 121		B9I0869	09/27/2019	09/27/19 15:47
Surrogate: Dibromofluoromethane	113 %	65 - 137		B9I0869	09/27/2019	09/27/19 15:47
Surrogate: Toluene-d8	102 %	82 - 119		B9I0869	09/27/2019	09/27/19 15:47



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino , CA 92408

Project Number : CTR - Carson, 185804367
Report To : Brian Viggiano
Reported : 10/01/2019

Client Sample ID SB-16-1

Lab ID: 1903535-25

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: Kur

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B9I0908	09/29/2019	09/29/19 02:53	
<i>Surrogate: 4-Bromofluorobenzene</i>	80.1 %	45 - 149		B9I0908	09/29/2019	09/29/19 02:53	

Diesel Range Organics by EPA 8015B

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	33	10	1	B9I0906	09/28/2019	10/01/19 06:25	
ORO	88	10	1	B9I0906	09/28/2019	10/01/19 06:25	
<i>Surrogate: p-Terphenyl</i>	108 %	58 - 172		B9I0906	09/28/2019	10/01/19 06:25	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino , CA 92408

Project Number : CTR - Carson, 185804367
Report To : Brian Viggiano
Reported : 10/01/2019

Client Sample ID SB-16-3
Lab ID: 1903535-26

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: Kur

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B9I0908	09/29/2019	09/29/19 03:12	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>91.6 %</i>	<i>45 - 149</i>		B9I0908	09/29/2019	09/29/19 03:12	

Diesel Range Organics by EPA 8015B

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B9I0906	09/28/2019	10/01/19 04:10	
ORO	ND	10	1	B9I0906	09/28/2019	10/01/19 04:10	
<i>Surrogate: p-Terphenyl</i>	<i>98.6 %</i>	<i>58 - 172</i>		B9I0906	09/28/2019	10/01/19 04:10	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-16-5

Lab ID: 1903535-27

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: Kur

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B9I0908	09/29/2019	09/29/19 03:30	
Surrogate: 4-Bromofluorobenzene	91.2 %	45 - 149		B9I0908	09/29/2019	09/29/19 03:30	

Diesel Range Organics by EPA 8015B

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B9I0906	09/28/2019	10/01/19 04:27	
ORO	ND	10	1	B9I0906	09/28/2019	10/01/19 04:27	
Surrogate: p-Terphenyl	96.0 %	58 - 172		B9I0906	09/28/2019	10/01/19 04:27	

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
1,1,1-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
1,1,2-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
1,1-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
1,1-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
1,1-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
1,2,3-Trichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0869	09/27/2019	09/27/19 16:06	
1,2-Dibromoethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
1,2-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
1,2-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
1,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
1,3-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
1,3-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
1,4-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
2,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
2-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-16-5

Lab ID: 1903535-27

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
4-Isopropyltoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
Benzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
Bromobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
Bromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
Bromodichloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
Bromoform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
Bromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
Carbon disulfide	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
Carbon tetrachloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
Chlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
Chloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
Chloroform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
Chloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
cis-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
Di-isopropyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
Dibromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
Dibromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
Dichlorodifluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
Ethyl Acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 16:06	
Ethyl Ether	ND	50	1	B9I0869	09/27/2019	09/27/19 16:06	
Ethyl tert-butyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
Ethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
Freon-113	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
Hexachlorobutadiene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
Isopropylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
m,p-Xylene	ND	10	1	B9I0869	09/27/2019	09/27/19 16:06	
Methylene chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
MTBE	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
n-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
n-Propylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
Naphthalene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
o-Xylene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
sec-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
Styrene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
tert-Amyl methyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-16-5

Lab ID: 1903535-27

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	100	1	B9I0869	09/27/2019	09/27/19 16:06	
tert-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
Tetrachloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
Toluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
Trichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
Trichlorofluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
Vinyl acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 16:06	
Vinyl chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:06	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>125 %</i>	<i>60 - 145</i>		B9I0869	09/27/2019	09/27/19 16:06	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>95.9 %</i>	<i>68 - 121</i>		B9I0869	09/27/2019	09/27/19 16:06	
<i>Surrogate: Dibromofluoromethane</i>	<i>115 %</i>	<i>65 - 137</i>		B9I0869	09/27/2019	09/27/19 16:06	
<i>Surrogate: Toluene-d8</i>	<i>101 %</i>	<i>82 - 119</i>		B9I0869	09/27/2019	09/27/19 16:06	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-16-10

Lab ID: 1903535-28

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
1,1,1-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
1,1,2-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
1,1-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
1,1-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
1,1-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
1,2,3-Trichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0869	09/27/2019	09/27/19 16:25	
1,2-Dibromoethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
1,2-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
1,2-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
1,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
1,3-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
1,3-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
1,4-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
2,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
2-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
4-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
4-Isopropyltoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
Benzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
Bromobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
Bromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
Bromodichloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
Bromoform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
Bromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
Carbon disulfide	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
Carbon tetrachloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
Chlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
Chloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
Chloroform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
Chloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-16-10

Lab ID: 1903535-28

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
Di-isopropyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
Dibromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
Dibromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
Dichlorodifluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
Ethyl Acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 16:25	
Ethyl Ether	ND	50	1	B9I0869	09/27/2019	09/27/19 16:25	
Ethyl tert-butyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
Ethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
Freon-113	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
Hexachlorobutadiene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
Isopropylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
m,p-Xylene	ND	10	1	B9I0869	09/27/2019	09/27/19 16:25	
Methylene chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
MTBE	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
n-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
n-Propylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
Naphthalene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
o-Xylene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
sec-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
Styrene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
tert-Amyl methyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
tert-Butanol	ND	100	1	B9I0869	09/27/2019	09/27/19 16:25	
tert-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
Tetrachloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
Toluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
Trichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
Trichlorofluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	
Vinyl acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 16:25	
Vinyl chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:25	

Surrogate: 1,2-Dichloroethane-d4	126 %	60 - 145	B9I0869	09/27/2019	09/27/19 16:25
Surrogate: 4-Bromofluorobenzene	98.6 %	68 - 121	B9I0869	09/27/2019	09/27/19 16:25
Surrogate: Dibromofluoromethane	116 %	65 - 137	B9I0869	09/27/2019	09/27/19 16:25
Surrogate: Toluene-d8	102 %	82 - 119	B9I0869	09/27/2019	09/27/19 16:25



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-16-15

Lab ID: 1903535-29

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
1,1,1-Trichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
1,1,2-Trichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
1,1-Dichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
1,1-Dichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
1,1-Dichloropropene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
1,2,3-Trichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0891	09/28/2019	09/28/19 11:07	
1,2-Dibromoethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
1,2-Dichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
1,2-Dichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
1,2-Dichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
1,3-Dichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
1,3-Dichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
1,4-Dichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
2,2-Dichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
2-Chlorotoluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
4-Chlorotoluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
4-Isopropyltoluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
Benzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
Bromobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
Bromochloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
Bromodichloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
Bromoform	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
Bromomethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
Carbon disulfide	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
Carbon tetrachloride	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
Chlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
Chloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
Chloroform	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
Chloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-16-15

Lab ID: 1903535-29

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
Di-isopropyl ether	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
Dibromochloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
Dibromomethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
Dichlorodifluoromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
Ethyl Acetate	ND	50	1	B9I0891	09/28/2019	09/28/19 11:07	
Ethyl Ether	ND	50	1	B9I0891	09/28/2019	09/28/19 11:07	
Ethyl tert-butyl ether	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
Ethylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
Freon-113	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
Hexachlorobutadiene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
Isopropylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
m,p-Xylene	ND	10	1	B9I0891	09/28/2019	09/28/19 11:07	
Methylene chloride	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
MTBE	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
n-Butylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
n-Propylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
Naphthalene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
o-Xylene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
sec-Butylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
Styrene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
tert-Amyl methyl ether	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
tert-Butanol	ND	100	1	B9I0891	09/28/2019	09/28/19 11:07	
tert-Butylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
Tetrachloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
Toluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
Trichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
Trichlorofluoromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	
Vinyl acetate	ND	50	1	B9I0891	09/28/2019	09/28/19 11:07	
Vinyl chloride	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:07	

Surrogate: 1,2-Dichloroethane-d4	113 %	60 - 145	B9I0891	09/28/2019	09/28/19 11:07
Surrogate: 4-Bromofluorobenzene	92.9 %	68 - 121	B9I0891	09/28/2019	09/28/19 11:07
Surrogate: Dibromofluoromethane	107 %	65 - 137	B9I0891	09/28/2019	09/28/19 11:07
Surrogate: Toluene-d8	99.1 %	82 - 119	B9I0891	09/28/2019	09/28/19 11:07



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-16-20

Lab ID: 1903535-30

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
1,1,1-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
1,1,2-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
1,1-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
1,1-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
1,1-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
1,2,3-Trichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0869	09/27/2019	09/27/19 16:44	
1,2-Dibromoethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
1,2-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
1,2-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
1,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
1,3-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
1,3-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
1,4-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
2,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
2-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
4-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
4-Isopropyltoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
Benzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
Bromobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
Bromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
Bromodichloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
Bromoform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
Bromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
Carbon disulfide	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
Carbon tetrachloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
Chlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
Chloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
Chloroform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
Chloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-16-20

Lab ID: 1903535-30

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
Di-isopropyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
Dibromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
Dibromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
Dichlorodifluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
Ethyl Acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 16:44	
Ethyl Ether	ND	50	1	B9I0869	09/27/2019	09/27/19 16:44	
Ethyl tert-butyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
Ethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
Freon-113	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
Hexachlorobutadiene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
Isopropylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
m,p-Xylene	ND	10	1	B9I0869	09/27/2019	09/27/19 16:44	
Methylene chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
MTBE	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
n-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
n-Propylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
Naphthalene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
o-Xylene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
sec-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
Styrene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
tert-Amyl methyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
tert-Butanol	ND	100	1	B9I0869	09/27/2019	09/27/19 16:44	
tert-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
Tetrachloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
Toluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
Trichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
Trichlorofluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	
Vinyl acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 16:44	
Vinyl chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 16:44	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>132 %</i>	<i>60 - 145</i>		B9I0869	09/27/2019	09/27/19 16:44	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>95.5 %</i>	<i>68 - 121</i>		B9I0869	09/27/2019	09/27/19 16:44	
<i>Surrogate: Dibromofluoromethane</i>	<i>115 %</i>	<i>65 - 137</i>		B9I0869	09/27/2019	09/27/19 16:44	
<i>Surrogate: Toluene-d8</i>	<i>102 %</i>	<i>82 - 119</i>		B9I0869	09/27/2019	09/27/19 16:44	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-16-25

Lab ID: 1903535-31

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
1,1,1-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
1,1,2-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
1,1-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
1,1-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
1,1-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
1,2,3-Trichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0869	09/27/2019	09/27/19 17:03	
1,2-Dibromoethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
1,2-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
1,2-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
1,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
1,3-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
1,3-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
1,4-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
2,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
2-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
4-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
4-Isopropyltoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
Benzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
Bromobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
Bromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
Bromodichloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
Bromoform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
Bromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
Carbon disulfide	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
Carbon tetrachloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
Chlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
Chloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
Chloroform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
Chloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-16-25

Lab ID: 1903535-31

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
Di-isopropyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
Dibromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
Dibromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
Dichlorodifluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
Ethyl Acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 17:03	
Ethyl Ether	ND	50	1	B9I0869	09/27/2019	09/27/19 17:03	
Ethyl tert-butyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
Ethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
Freon-113	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
Hexachlorobutadiene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
Isopropylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
m,p-Xylene	ND	10	1	B9I0869	09/27/2019	09/27/19 17:03	
Methylene chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
MTBE	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
n-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
n-Propylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
Naphthalene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
o-Xylene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
sec-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
Styrene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
tert-Amyl methyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
tert-Butanol	ND	100	1	B9I0869	09/27/2019	09/27/19 17:03	
tert-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
Tetrachloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
Toluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
Trichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
Trichlorofluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	
Vinyl acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 17:03	
Vinyl chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:03	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>124 %</i>	<i>60 - 145</i>		B9I0869	09/27/2019	09/27/19 17:03	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>95.2 %</i>	<i>68 - 121</i>		B9I0869	09/27/2019	09/27/19 17:03	
<i>Surrogate: Dibromofluoromethane</i>	<i>112 %</i>	<i>65 - 137</i>		B9I0869	09/27/2019	09/27/19 17:03	
<i>Surrogate: Toluene-d8</i>	<i>102 %</i>	<i>82 - 119</i>		B9I0869	09/27/2019	09/27/19 17:03	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-16-30

Lab ID: 1903535-32

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
1,1,1-Trichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
1,1,2-Trichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
1,1-Dichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
1,1-Dichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
1,1-Dichloropropene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
1,2,3-Trichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0891	09/28/2019	09/28/19 13:56	
1,2-Dibromoethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
1,2-Dichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
1,2-Dichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
1,2-Dichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
1,3-Dichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
1,3-Dichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
1,4-Dichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
2,2-Dichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
2-Chlorotoluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
4-Chlorotoluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
4-Isopropyltoluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
Benzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
Bromobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
Bromochloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
Bromodichloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
Bromoform	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
Bromomethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
Carbon disulfide	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
Carbon tetrachloride	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
Chlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
Chloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
Chloroform	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
Chloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-16-30

Lab ID: 1903535-32

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
Di-isopropyl ether	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
Dibromochloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
Dibromomethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
Dichlorodifluoromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
Ethyl Acetate	ND	50	1	B9I0891	09/28/2019	09/28/19 13:56	
Ethyl Ether	ND	50	1	B9I0891	09/28/2019	09/28/19 13:56	
Ethyl tert-butyl ether	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
Ethylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
Freon-113	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
Hexachlorobutadiene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
Isopropylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
m,p-Xylene	ND	10	1	B9I0891	09/28/2019	09/28/19 13:56	
Methylene chloride	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
MTBE	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
n-Butylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
n-Propylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
Naphthalene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
o-Xylene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
sec-Butylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
Styrene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
tert-Amyl methyl ether	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
tert-Butanol	ND	100	1	B9I0891	09/28/2019	09/28/19 13:56	
tert-Butylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
Tetrachloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
Toluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
Trichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
Trichlorofluoromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	
Vinyl acetate	ND	50	1	B9I0891	09/28/2019	09/28/19 13:56	
Vinyl chloride	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:56	

Surrogate: 1,2-Dichloroethane-d4	122 %	60 - 145	B9I0891	09/28/2019	09/28/19 13:56
Surrogate: 4-Bromofluorobenzene	96.7 %	68 - 121	B9I0891	09/28/2019	09/28/19 13:56
Surrogate: Dibromofluoromethane	110 %	65 - 137	B9I0891	09/28/2019	09/28/19 13:56
Surrogate: Toluene-d8	102 %	82 - 119	B9I0891	09/28/2019	09/28/19 13:56



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino , CA 92408

Project Number : CTR - Carson, 185804367
Report To : Brian Viggiano
Reported : 10/01/2019

Client Sample ID SB-17-1
Lab ID: 1903535-33

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: Kur

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B9I0908	09/29/2019	09/29/19 03:49	
<i>Surrogate: 4-Bromofluorobenzene</i>	66.4 %	45 - 149		B9I0908	09/29/2019	09/29/19 03:49	

Diesel Range Organics by EPA 8015B

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	13	10	1	B9I0906	09/28/2019	10/01/19 06:08	
ORO	29	10	1	B9I0906	09/28/2019	10/01/19 06:08	
<i>Surrogate: p-Terphenyl</i>	105 %	58 - 172		B9I0906	09/28/2019	10/01/19 06:08	



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San Bernardino , CA 92408

Project Number : CTR - Carson, 185804367
Report To : Brian Viggiano
Reported : 10/01/2019

Client Sample ID SB-17-3
Lab ID: 1903535-34

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: Kur

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B9I0908	09/29/2019	09/29/19 04:08	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>93.6 %</i>	<i>45 - 149</i>		B9I0908	09/29/2019	09/29/19 04:08	

Diesel Range Organics by EPA 8015B

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B9I0906	09/28/2019	10/01/19 04:44	
ORO	ND	10	1	B9I0906	09/28/2019	10/01/19 04:44	
<i>Surrogate: p-Terphenyl</i>	<i>97.0 %</i>	<i>58 - 172</i>		B9I0906	09/28/2019	10/01/19 04:44	



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San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-17-5

Lab ID: 1903535-35

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: Kur

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B9I0908	09/29/2019	09/29/19 04:26	
Surrogate: 4-Bromofluorobenzene	91.5 %	45 - 149		B9I0908	09/29/2019	09/29/19 04:26	

Diesel Range Organics by EPA 8015B

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B9I0906	09/28/2019	10/01/19 05:17	
ORO	ND	10	1	B9I0906	09/28/2019	10/01/19 05:17	
Surrogate: p-Terphenyl	93.9 %	58 - 172		B9I0906	09/28/2019	10/01/19 05:17	

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
1,1,1-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
1,1,2-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
1,1-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
1,1-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
1,1-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
1,2,3-Trichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0869	09/27/2019	09/27/19 17:40	
1,2-Dibromoethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
1,2-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
1,2-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
1,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
1,3-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
1,3-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
1,4-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
2,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
2-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	



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Stantec
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Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-17-5

Lab ID: 1903535-35

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
4-Isopropyltoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
Benzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
Bromobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
Bromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
Bromodichloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
Bromoform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
Bromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
Carbon disulfide	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
Carbon tetrachloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
Chlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
Chloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
Chloroform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
Chloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
cis-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
Di-isopropyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
Dibromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
Dibromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
Dichlorodifluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
Ethyl Acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 17:40	
Ethyl Ether	ND	50	1	B9I0869	09/27/2019	09/27/19 17:40	
Ethyl tert-butyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
Ethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
Freon-113	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
Hexachlorobutadiene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
Isopropylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
m,p-Xylene	ND	10	1	B9I0869	09/27/2019	09/27/19 17:40	
Methylene chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
MTBE	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
n-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
n-Propylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
Naphthalene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
o-Xylene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
sec-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
Styrene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
tert-Amyl methyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-17-5

Lab ID: 1903535-35

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	100	1	B9I0869	09/27/2019	09/27/19 17:40	
tert-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
Tetrachloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
Toluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
Trichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
Trichlorofluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
Vinyl acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 17:40	
Vinyl chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:40	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>130 %</i>	<i>60 - 145</i>		B9I0869	09/27/2019	09/27/19 17:40	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>97.0 %</i>	<i>68 - 121</i>		B9I0869	09/27/2019	09/27/19 17:40	
<i>Surrogate: Dibromofluoromethane</i>	<i>114 %</i>	<i>65 - 137</i>		B9I0869	09/27/2019	09/27/19 17:40	
<i>Surrogate: Toluene-d8</i>	<i>102 %</i>	<i>82 - 119</i>		B9I0869	09/27/2019	09/27/19 17:40	



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Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-17-10

Lab ID: 1903535-36

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
1,1,1-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
1,1,2-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
1,1-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
1,1-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
1,1-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
1,2,3-Trichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0869	09/27/2019	09/27/19 17:59	
1,2-Dibromoethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
1,2-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
1,2-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
1,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
1,3-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
1,3-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
1,4-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
2,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
2-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
4-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
4-Isopropyltoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
Benzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
Bromobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
Bromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
Bromodichloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
Bromoform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
Bromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
Carbon disulfide	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
Carbon tetrachloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
Chlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
Chloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
Chloroform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
Chloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-17-10

Lab ID: 1903535-36

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
Di-isopropyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
Dibromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
Dibromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
Dichlorodifluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
Ethyl Acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 17:59	
Ethyl Ether	ND	50	1	B9I0869	09/27/2019	09/27/19 17:59	
Ethyl tert-butyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
Ethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
Freon-113	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
Hexachlorobutadiene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
Isopropylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
m,p-Xylene	ND	10	1	B9I0869	09/27/2019	09/27/19 17:59	
Methylene chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
MTBE	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
n-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
n-Propylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
Naphthalene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
o-Xylene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
sec-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
Styrene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
tert-Amyl methyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
tert-Butanol	ND	100	1	B9I0869	09/27/2019	09/27/19 17:59	
tert-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
Tetrachloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
Toluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
Trichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
Trichlorofluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	
Vinyl acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 17:59	
Vinyl chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 17:59	

Surrogate: 1,2-Dichloroethane-d4	123 %	60 - 145		B9I0869	09/27/2019	09/27/19 17:59
Surrogate: 4-Bromofluorobenzene	93.5 %	68 - 121		B9I0869	09/27/2019	09/27/19 17:59
Surrogate: Dibromofluoromethane	110 %	65 - 137		B9I0869	09/27/2019	09/27/19 17:59
Surrogate: Toluene-d8	101 %	82 - 119		B9I0869	09/27/2019	09/27/19 17:59



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-17-15

Lab ID: 1903535-37

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
1,1,1-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
1,1,2-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
1,1-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
1,1-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
1,1-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
1,2,3-Trichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0869	09/27/2019	09/27/19 18:18	
1,2-Dibromoethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
1,2-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
1,2-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
1,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
1,3-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
1,3-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
1,4-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
2,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
2-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
4-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
4-Isopropyltoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
Benzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
Bromobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
Bromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
Bromodichloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
Bromoform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
Bromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
Carbon disulfide	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
Carbon tetrachloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
Chlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
Chloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
Chloroform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
Chloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-17-15

Lab ID: 1903535-37

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
Di-isopropyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
Dibromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
Dibromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
Dichlorodifluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
Ethyl Acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 18:18	
Ethyl Ether	ND	50	1	B9I0869	09/27/2019	09/27/19 18:18	
Ethyl tert-butyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
Ethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
Freon-113	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
Hexachlorobutadiene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
Isopropylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
m,p-Xylene	ND	10	1	B9I0869	09/27/2019	09/27/19 18:18	
Methylene chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
MTBE	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
n-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
n-Propylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
Naphthalene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
o-Xylene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
sec-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
Styrene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
tert-Amyl methyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
tert-Butanol	ND	100	1	B9I0869	09/27/2019	09/27/19 18:18	
tert-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
Tetrachloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
Toluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
Trichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
Trichlorofluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	
Vinyl acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 18:18	
Vinyl chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 18:18	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>127 %</i>	<i>60 - 145</i>		B9I0869	09/27/2019	09/27/19 18:18	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>95.9 %</i>	<i>68 - 121</i>		B9I0869	09/27/2019	09/27/19 18:18	
<i>Surrogate: Dibromofluoromethane</i>	<i>111 %</i>	<i>65 - 137</i>		B9I0869	09/27/2019	09/27/19 18:18	
<i>Surrogate: Toluene-d8</i>	<i>101 %</i>	<i>82 - 119</i>		B9I0869	09/27/2019	09/27/19 18:18	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-17-20

Lab ID: 1903535-38

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
1,1,1-Trichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
1,1,2-Trichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
1,1-Dichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
1,1-Dichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
1,1-Dichloropropene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
1,2,3-Trichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0891	09/28/2019	09/28/19 11:25	
1,2-Dibromoethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
1,2-Dichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
1,2-Dichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
1,2-Dichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
1,3-Dichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
1,3-Dichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
1,4-Dichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
2,2-Dichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
2-Chlorotoluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
4-Chlorotoluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
4-Isopropyltoluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
Benzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
Bromobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
Bromochloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
Bromodichloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
Bromoform	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
Bromomethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
Carbon disulfide	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
Carbon tetrachloride	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
Chlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
Chloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
Chloroform	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
Chloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-17-20

Lab ID: 1903535-38

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
Di-isopropyl ether	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
Dibromochloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
Dibromomethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
Dichlorodifluoromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
Ethyl Acetate	ND	50	1	B9I0891	09/28/2019	09/28/19 11:25	
Ethyl Ether	ND	50	1	B9I0891	09/28/2019	09/28/19 11:25	
Ethyl tert-butyl ether	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
Ethylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
Freon-113	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
Hexachlorobutadiene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
Isopropylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
m,p-Xylene	ND	10	1	B9I0891	09/28/2019	09/28/19 11:25	
Methylene chloride	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
MTBE	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
n-Butylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
n-Propylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
Naphthalene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
o-Xylene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
sec-Butylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
Styrene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
tert-Amyl methyl ether	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
tert-Butanol	ND	100	1	B9I0891	09/28/2019	09/28/19 11:25	
tert-Butylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
Tetrachloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
Toluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
Trichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
Trichlorofluoromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	
Vinyl acetate	ND	50	1	B9I0891	09/28/2019	09/28/19 11:25	
Vinyl chloride	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:25	

Surrogate: 1,2-Dichloroethane-d4	120 %	60 - 145	B9I0891	09/28/2019	09/28/19 11:25
Surrogate: 4-Bromofluorobenzene	97.4 %	68 - 121	B9I0891	09/28/2019	09/28/19 11:25
Surrogate: Dibromofluoromethane	104 %	65 - 137	B9I0891	09/28/2019	09/28/19 11:25
Surrogate: Toluene-d8	99.9 %	82 - 119	B9I0891	09/28/2019	09/28/19 11:25



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-17-25

Lab ID: 1903535-39

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
1,1,1-Trichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
1,1,2-Trichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
1,1-Dichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
1,1-Dichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
1,1-Dichloropropene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
1,2,3-Trichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0891	09/28/2019	09/28/19 11:44	
1,2-Dibromoethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
1,2-Dichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
1,2-Dichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
1,2-Dichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
1,3-Dichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
1,3-Dichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
1,4-Dichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
2,2-Dichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
2-Chlorotoluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
4-Chlorotoluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
4-Isopropyltoluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
Benzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
Bromobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
Bromochloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
Bromodichloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
Bromoform	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
Bromomethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
Carbon disulfide	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
Carbon tetrachloride	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
Chlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
Chloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
Chloroform	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
Chloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-17-25

Lab ID: 1903535-39

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
Di-isopropyl ether	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
Dibromochloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
Dibromomethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
Dichlorodifluoromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
Ethyl Acetate	ND	50	1	B9I0891	09/28/2019	09/28/19 11:44	
Ethyl Ether	ND	50	1	B9I0891	09/28/2019	09/28/19 11:44	
Ethyl tert-butyl ether	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
Ethylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
Freon-113	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
Hexachlorobutadiene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
Isopropylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
m,p-Xylene	ND	10	1	B9I0891	09/28/2019	09/28/19 11:44	
Methylene chloride	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
MTBE	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
n-Butylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
n-Propylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
Naphthalene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
o-Xylene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
sec-Butylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
Styrene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
tert-Amyl methyl ether	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
tert-Butanol	ND	100	1	B9I0891	09/28/2019	09/28/19 11:44	
tert-Butylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
Tetrachloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
Toluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
Trichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
Trichlorofluoromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	
Vinyl acetate	ND	50	1	B9I0891	09/28/2019	09/28/19 11:44	
Vinyl chloride	ND	5.0	1	B9I0891	09/28/2019	09/28/19 11:44	

Surrogate: 1,2-Dichloroethane-d4	122 %	60 - 145		B9I0891	09/28/2019	09/28/19 11:44
Surrogate: 4-Bromofluorobenzene	94.1 %	68 - 121		B9I0891	09/28/2019	09/28/19 11:44
Surrogate: Dibromofluoromethane	109 %	65 - 137		B9I0891	09/28/2019	09/28/19 11:44
Surrogate: Toluene-d8	98.5 %	82 - 119		B9I0891	09/28/2019	09/28/19 11:44



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-17-30

Lab ID: 1903535-40

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
1,1,1-Trichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
1,1,2-Trichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
1,1-Dichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
1,1-Dichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
1,1-Dichloropropene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
1,2,3-Trichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0891	09/28/2019	09/28/19 12:03	
1,2-Dibromoethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
1,2-Dichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
1,2-Dichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
1,2-Dichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
1,3-Dichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
1,3-Dichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
1,4-Dichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
2,2-Dichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
2-Chlorotoluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
4-Chlorotoluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
4-Isopropyltoluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
Benzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
Bromobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
Bromochloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
Bromodichloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
Bromoform	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
Bromomethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
Carbon disulfide	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
Carbon tetrachloride	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
Chlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
Chloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
Chloroform	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
Chloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-17-30

Lab ID: 1903535-40

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
Di-isopropyl ether	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
Dibromochloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
Dibromomethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
Dichlorodifluoromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
Ethyl Acetate	ND	50	1	B9I0891	09/28/2019	09/28/19 12:03	
Ethyl Ether	ND	50	1	B9I0891	09/28/2019	09/28/19 12:03	
Ethyl tert-butyl ether	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
Ethylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
Freon-113	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
Hexachlorobutadiene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
Isopropylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
m,p-Xylene	ND	10	1	B9I0891	09/28/2019	09/28/19 12:03	
Methylene chloride	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
MTBE	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
n-Butylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
n-Propylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
Naphthalene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
o-Xylene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
sec-Butylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
Styrene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
tert-Amyl methyl ether	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
tert-Butanol	ND	100	1	B9I0891	09/28/2019	09/28/19 12:03	
tert-Butylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
Tetrachloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
Toluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
Trichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
Trichlorofluoromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	
Vinyl acetate	ND	50	1	B9I0891	09/28/2019	09/28/19 12:03	
Vinyl chloride	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:03	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>126 %</i>	<i>60 - 145</i>		B9I0891	09/28/2019	09/28/19 12:03	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>96.6 %</i>	<i>68 - 121</i>		B9I0891	09/28/2019	09/28/19 12:03	
<i>Surrogate: Dibromofluoromethane</i>	<i>114 %</i>	<i>65 - 137</i>		B9I0891	09/28/2019	09/28/19 12:03	
<i>Surrogate: Toluene-d8</i>	<i>102 %</i>	<i>82 - 119</i>		B9I0891	09/28/2019	09/28/19 12:03	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino , CA 92408

Project Number : CTR - Carson, 185804367
Report To : Brian Viggiano
Reported : 10/01/2019

Client Sample ID SB-18-1

Lab ID: 1903535-41

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: Kur

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B9I0908	09/29/2019	09/29/19 04:45	
<i>Surrogate: 4-Bromofluorobenzene</i>	92.9 %	45 - 149		B9I0908	09/29/2019	09/29/19 04:45	

Diesel Range Organics by EPA 8015B

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	41	10	1	B9J0017	10/01/2019	10/01/19 14:02	
ORO	140	10	1	B9J0017	10/01/2019	10/01/19 14:02	
<i>Surrogate: p-Terphenyl</i>	100 %	58 - 172		B9J0017	10/01/2019	10/01/19 14:02	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino , CA 92408

Project Number : CTR - Carson, 185804367
Report To : Brian Viggiano
Reported : 10/01/2019

Client Sample ID SB-18-3

Lab ID: 1903535-42

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: Kur

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B9I0908	09/29/2019	09/29/19 05:03	
<i>Surrogate: 4-Bromofluorobenzene</i>	91.7 %	45 - 149		B9I0908	09/29/2019	09/29/19 05:03	

Diesel Range Organics by EPA 8015B

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B9I0906	09/28/2019	10/01/19 05:00	
ORO	ND	10	1	B9I0906	09/28/2019	10/01/19 05:00	
<i>Surrogate: p-Terphenyl</i>	91.7 %	58 - 172		B9I0906	09/28/2019	10/01/19 05:00	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-18-5

Lab ID: 1903535-43

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: Kur

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B9I0908	09/29/2019	09/29/19 05:22	
Surrogate: 4-Bromofluorobenzene	94.6 %	45 - 149		B9I0908	09/29/2019	09/29/19 05:22	

Diesel Range Organics by EPA 8015B

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	10	1	B9I0906	09/28/2019	10/01/19 05:34	
ORO	ND	10	1	B9I0906	09/28/2019	10/01/19 05:34	
Surrogate: p-Terphenyl	97.2 %	58 - 172		B9I0906	09/28/2019	10/01/19 05:34	

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
1,1,1-Trichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
1,1,2-Trichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
1,1-Dichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
1,1-Dichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
1,1-Dichloropropene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
1,2,3-Trichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0891	09/28/2019	09/28/19 12:22	
1,2-Dibromoethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
1,2-Dichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
1,2-Dichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
1,2-Dichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
1,3-Dichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
1,3-Dichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
1,4-Dichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
2,2-Dichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
2-Chlorotoluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-18-5

Lab ID: 1903535-43

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
4-Isopropyltoluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
Benzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
Bromobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
Bromochloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
Bromodichloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
Bromoform	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
Bromomethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
Carbon disulfide	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
Carbon tetrachloride	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
Chlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
Chloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
Chloroform	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
Chloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
cis-1,3-Dichloropropene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
Di-isopropyl ether	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
Dibromochloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
Dibromomethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
Dichlorodifluoromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
Ethyl Acetate	ND	50	1	B9I0891	09/28/2019	09/28/19 12:22	
Ethyl Ether	ND	50	1	B9I0891	09/28/2019	09/28/19 12:22	
Ethyl tert-butyl ether	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
Ethylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
Freon-113	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
Hexachlorobutadiene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
Isopropylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
m,p-Xylene	ND	10	1	B9I0891	09/28/2019	09/28/19 12:22	
Methylene chloride	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
MTBE	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
n-Butylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
n-Propylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
Naphthalene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
o-Xylene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
sec-Butylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
Styrene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
tert-Amyl methyl ether	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino , CA 92408

Project Number : CTR - Carson, 185804367
Report To : Brian Viggiano
Reported : 10/01/2019

Client Sample ID SB-18-5

Lab ID: 1903535-43

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	100	1	B9I0891	09/28/2019	09/28/19 12:22	
tert-Butylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
Tetrachloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
Toluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
Trichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
Trichlorofluoromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
Vinyl acetate	ND	50	1	B9I0891	09/28/2019	09/28/19 12:22	
Vinyl chloride	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>127 %</i>	<i>60 - 145</i>		B9I0891	09/28/2019	<i>09/28/19 12:22</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>92.9 %</i>	<i>68 - 121</i>		B9I0891	09/28/2019	<i>09/28/19 12:22</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>112 %</i>	<i>65 - 137</i>		B9I0891	09/28/2019	<i>09/28/19 12:22</i>	
<i>Surrogate: Toluene-d8</i>	<i>100 %</i>	<i>82 - 119</i>		B9I0891	09/28/2019	<i>09/28/19 12:22</i>	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-18-10

Lab ID: 1903535-44

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
1,1,1-Trichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
1,1,2-Trichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
1,1-Dichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
1,1-Dichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
1,1-Dichloropropene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
1,2,3-Trichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0891	09/28/2019	09/28/19 12:41	
1,2-Dibromoethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
1,2-Dichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
1,2-Dichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
1,2-Dichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
1,3-Dichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
1,3-Dichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
1,4-Dichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
2,2-Dichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
2-Chlorotoluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
4-Chlorotoluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
4-Isopropyltoluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
Benzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
Bromobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
Bromochloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
Bromodichloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
Bromoform	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
Bromomethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
Carbon disulfide	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
Carbon tetrachloride	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
Chlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
Chloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
Chloroform	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
Chloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-18-10

Lab ID: 1903535-44

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
Di-isopropyl ether	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
Dibromochloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
Dibromomethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
Dichlorodifluoromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
Ethyl Acetate	ND	50	1	B9I0891	09/28/2019	09/28/19 12:41	
Ethyl Ether	ND	50	1	B9I0891	09/28/2019	09/28/19 12:41	
Ethyl tert-butyl ether	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
Ethylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
Freon-113	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
Hexachlorobutadiene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
Isopropylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
m,p-Xylene	ND	10	1	B9I0891	09/28/2019	09/28/19 12:41	
Methylene chloride	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
MTBE	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
n-Butylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
n-Propylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
Naphthalene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
o-Xylene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
sec-Butylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
Styrene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
tert-Amyl methyl ether	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
tert-Butanol	ND	100	1	B9I0891	09/28/2019	09/28/19 12:41	
tert-Butylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
Tetrachloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
Toluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
Trichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
Trichlorofluoromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	
Vinyl acetate	ND	50	1	B9I0891	09/28/2019	09/28/19 12:41	
Vinyl chloride	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:41	

Surrogate: 1,2-Dichloroethane-d4	132 %	60 - 145	B9I0891	09/28/2019	09/28/19 12:41
Surrogate: 4-Bromofluorobenzene	98.3 %	68 - 121	B9I0891	09/28/2019	09/28/19 12:41
Surrogate: Dibromofluoromethane	114 %	65 - 137	B9I0891	09/28/2019	09/28/19 12:41
Surrogate: Toluene-d8	105 %	82 - 119	B9I0891	09/28/2019	09/28/19 12:41



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-18-15

Lab ID: 1903535-45

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
1,1,1-Trichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
1,1,2-Trichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
1,1-Dichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
1,1-Dichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
1,1-Dichloropropene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
1,2,3-Trichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0891	09/28/2019	09/28/19 12:59	
1,2-Dibromoethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
1,2-Dichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
1,2-Dichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
1,2-Dichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
1,3-Dichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
1,3-Dichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
1,4-Dichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
2,2-Dichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
2-Chlorotoluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
4-Chlorotoluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
4-Isopropyltoluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
Benzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
Bromobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
Bromochloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
Bromodichloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
Bromoform	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
Bromomethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
Carbon disulfide	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
Carbon tetrachloride	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
Chlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
Chloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
Chloroform	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
Chloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-18-15

Lab ID: 1903535-45

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
Di-isopropyl ether	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
Dibromochloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
Dibromomethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
Dichlorodifluoromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
Ethyl Acetate	ND	50	1	B9I0891	09/28/2019	09/28/19 12:59	
Ethyl Ether	ND	50	1	B9I0891	09/28/2019	09/28/19 12:59	
Ethyl tert-butyl ether	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
Ethylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
Freon-113	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
Hexachlorobutadiene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
Isopropylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
m,p-Xylene	ND	10	1	B9I0891	09/28/2019	09/28/19 12:59	
Methylene chloride	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
MTBE	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
n-Butylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
n-Propylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
Naphthalene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
o-Xylene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
sec-Butylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
Styrene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
tert-Amyl methyl ether	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
tert-Butanol	ND	100	1	B9I0891	09/28/2019	09/28/19 12:59	
tert-Butylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
Tetrachloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
Toluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
Trichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
Trichlorofluoromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	
Vinyl acetate	ND	50	1	B9I0891	09/28/2019	09/28/19 12:59	
Vinyl chloride	ND	5.0	1	B9I0891	09/28/2019	09/28/19 12:59	

Surrogate: 1,2-Dichloroethane-d4	125 %	60 - 145		B9I0891	09/28/2019	09/28/19 12:59
Surrogate: 4-Bromofluorobenzene	101 %	68 - 121		B9I0891	09/28/2019	09/28/19 12:59
Surrogate: Dibromofluoromethane	113 %	65 - 137		B9I0891	09/28/2019	09/28/19 12:59
Surrogate: Toluene-d8	102 %	82 - 119		B9I0891	09/28/2019	09/28/19 12:59



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-18-20

Lab ID: 1903535-46

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
1,1,1-Trichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
1,1,2-Trichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
1,1-Dichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
1,1-Dichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
1,1-Dichloropropene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
1,2,3-Trichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0891	09/28/2019	09/28/19 13:18	
1,2-Dibromoethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
1,2-Dichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
1,2-Dichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
1,2-Dichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
1,3-Dichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
1,3-Dichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
1,4-Dichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
2,2-Dichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
2-Chlorotoluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
4-Chlorotoluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
4-Isopropyltoluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
Benzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
Bromobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
Bromochloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
Bromodichloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
Bromoform	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
Bromomethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
Carbon disulfide	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
Carbon tetrachloride	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
Chlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
Chloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
Chloroform	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
Chloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-18-20

Lab ID: 1903535-46

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
Di-isopropyl ether	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
Dibromochloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
Dibromomethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
Dichlorodifluoromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
Ethyl Acetate	ND	50	1	B9I0891	09/28/2019	09/28/19 13:18	
Ethyl Ether	ND	50	1	B9I0891	09/28/2019	09/28/19 13:18	
Ethyl tert-butyl ether	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
Ethylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
Freon-113	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
Hexachlorobutadiene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
Isopropylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
m,p-Xylene	ND	10	1	B9I0891	09/28/2019	09/28/19 13:18	
Methylene chloride	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
MTBE	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
n-Butylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
n-Propylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
Naphthalene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
o-Xylene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
sec-Butylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
Styrene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
tert-Amyl methyl ether	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
tert-Butanol	ND	100	1	B9I0891	09/28/2019	09/28/19 13:18	
tert-Butylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
Tetrachloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
Toluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
Trichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
Trichlorofluoromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	
Vinyl acetate	ND	50	1	B9I0891	09/28/2019	09/28/19 13:18	
Vinyl chloride	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:18	

Surrogate: 1,2-Dichloroethane-d4	131 %	60 - 145	B9I0891	09/28/2019	09/28/19 13:18
Surrogate: 4-Bromofluorobenzene	95.0 %	68 - 121	B9I0891	09/28/2019	09/28/19 13:18
Surrogate: Dibromofluoromethane	114 %	65 - 137	B9I0891	09/28/2019	09/28/19 13:18
Surrogate: Toluene-d8	99.5 %	82 - 119	B9I0891	09/28/2019	09/28/19 13:18



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-18-25

Lab ID: 1903535-47

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
1,1,1-Trichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
1,1,2-Trichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
1,1-Dichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
1,1-Dichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
1,1-Dichloropropene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
1,2,3-Trichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0891	09/28/2019	09/28/19 13:37	
1,2-Dibromoethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
1,2-Dichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
1,2-Dichloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
1,2-Dichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
1,3-Dichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
1,3-Dichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
1,4-Dichlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
2,2-Dichloropropane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
2-Chlorotoluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
4-Chlorotoluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
4-Isopropyltoluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
Benzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
Bromobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
Bromochloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
Bromodichloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
Bromoform	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
Bromomethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
Carbon disulfide	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
Carbon tetrachloride	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
Chlorobenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
Chloroethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
Chloroform	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
Chloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-18-25

Lab ID: 1903535-47

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
Di-isopropyl ether	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
Dibromochloromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
Dibromomethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
Dichlorodifluoromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
Ethyl Acetate	ND	50	1	B9I0891	09/28/2019	09/28/19 13:37	
Ethyl Ether	ND	50	1	B9I0891	09/28/2019	09/28/19 13:37	
Ethyl tert-butyl ether	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
Ethylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
Freon-113	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
Hexachlorobutadiene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
Isopropylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
m,p-Xylene	ND	10	1	B9I0891	09/28/2019	09/28/19 13:37	
Methylene chloride	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
MTBE	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
n-Butylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
n-Propylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
Naphthalene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
o-Xylene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
sec-Butylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
Styrene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
tert-Amyl methyl ether	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
tert-Butanol	ND	100	1	B9I0891	09/28/2019	09/28/19 13:37	
tert-Butylbenzene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
Tetrachloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
Toluene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
Trichloroethene	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
Trichlorofluoromethane	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	
Vinyl acetate	ND	50	1	B9I0891	09/28/2019	09/28/19 13:37	
Vinyl chloride	ND	5.0	1	B9I0891	09/28/2019	09/28/19 13:37	

Surrogate: 1,2-Dichloroethane-d4	126 %	60 - 145	B9I0891	09/28/2019	09/28/19 13:37
Surrogate: 4-Bromofluorobenzene	95.8 %	68 - 121	B9I0891	09/28/2019	09/28/19 13:37
Surrogate: Dibromofluoromethane	113 %	65 - 137	B9I0891	09/28/2019	09/28/19 13:37
Surrogate: Toluene-d8	102 %	82 - 119	B9I0891	09/28/2019	09/28/19 13:37



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-18-30

Lab ID: 1903535-48

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
1,1,1-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
1,1,2-Trichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
1,1-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
1,1-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
1,1-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
1,2,3-Trichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
1,2-Dibromo-3-chloropropane	ND	10	1	B9I0869	09/27/2019	09/27/19 11:44	
1,2-Dibromoethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
1,2-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
1,2-Dichloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
1,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
1,3-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
1,3-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
1,4-Dichlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
2,2-Dichloropropane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
2-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
4-Chlorotoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
4-Isopropyltoluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
Benzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
Bromobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
Bromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
Bromodichloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
Bromoform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
Bromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
Carbon disulfide	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
Carbon tetrachloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
Chlorobenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
Chloroethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
Chloroform	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
Chloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	



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San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Client Sample ID SB-18-30

Lab ID: 1903535-48

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
Di-isopropyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
Dibromochloromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
Dibromomethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
Dichlorodifluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
Ethyl Acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 11:44	
Ethyl Ether	ND	50	1	B9I0869	09/27/2019	09/27/19 11:44	
Ethyl tert-butyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
Ethylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
Freon-113	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
Hexachlorobutadiene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
Isopropylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
m,p-Xylene	ND	10	1	B9I0869	09/27/2019	09/27/19 11:44	
Methylene chloride	16	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
MTBE	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
n-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
n-Propylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
Naphthalene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
o-Xylene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
sec-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
Styrene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
tert-Amyl methyl ether	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
tert-Butanol	ND	100	1	B9I0869	09/27/2019	09/27/19 11:44	
tert-Butylbenzene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
Tetrachloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
Toluene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
Trichloroethene	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
Trichlorofluoromethane	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	
Vinyl acetate	ND	50	1	B9I0869	09/27/2019	09/27/19 11:44	
Vinyl chloride	ND	5.0	1	B9I0869	09/27/2019	09/27/19 11:44	

Surrogate: 1,2-Dichloroethane-d4	117 %	60 - 145	B9I0869	09/27/2019	09/27/19 11:44
Surrogate: 4-Bromofluorobenzene	97.4 %	68 - 121	B9I0869	09/27/2019	09/27/19 11:44
Surrogate: Dibromofluoromethane	109 %	65 - 137	B9I0869	09/27/2019	09/27/19 11:44
Surrogate: Toluene-d8	101 %	82 - 119	B9I0869	09/27/2019	09/27/19 11:44



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Project Number : CTR - Carson, 185804367
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Reported : 10/01/2019

QUALITY CONTROL SECTION

Gasoline Range Organics by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B910908 - GCVOA_S										
Blank (B910908-BLK1)					Prepared: 9/29/2019 Analyzed: 9/29/2019					
Gasoline Range Organics	ND	1.0	0.20							
<i>Surrogate: 4-Bromofluorobenzene</i>	0.1780			0.200000		89.0	45 - 149			
LCS (B910908-BS1)					Prepared: 9/28/2019 Analyzed: 9/28/2019					
Gasoline Range Organics	4.33000	1.0	0.20	5.00000		86.6	70 - 130			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.1871			0.200000		93.5	45 - 149			
LCS Dup (B910908-BSD1)					Prepared: 9/28/2019 Analyzed: 9/28/2019					
Gasoline Range Organics	4.41800	1.0	0.20	5.00000		88.4	70 - 130	2.01	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	0.1914			0.200000		95.7	45 - 149			
Duplicate (B910908-DUP1)					Source: 1903535-27		Prepared: 9/29/2019 Analyzed: 9/29/2019			
Gasoline Range Organics	ND	1.0	0.20		ND				20	
<i>Surrogate: 4-Bromofluorobenzene</i>	0.1880			0.200000		94.0	45 - 149			
Matrix Spike (B910908-MS1)					Source: 1903535-41		Prepared: 9/28/2019 Analyzed: 9/28/2019			
Gasoline Range Organics	3.50300	1.0	0.20	5.00000	ND	70.1	24 - 129			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.2015			0.200000		101	45 - 149			
Matrix Spike Dup (B910908-MSD1)					Source: 1903535-41		Prepared: 9/28/2019 Analyzed: 9/28/2019			
Gasoline Range Organics	3.42000	1.0	0.20	5.00000	ND	68.4	24 - 129	2.40	20	M2
<i>Surrogate: 4-Bromofluorobenzene</i>	0.1987			0.200000		99.3	45 - 149			



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Gasoline Range Organics by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9I0912 - GCVOA_S

Blank (B9I0912-BLK1)

Prepared: 9/30/2019 Analyzed: 9/30/2019

Gasoline Range Organics	ND	1.0	0.20						
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<i>Surrogate: 4-Bromofluorobenzene</i>	0.1896			0.200000		94.8	45 - 149		
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LCS (B9I0912-BS1)

Prepared: 9/30/2019 Analyzed: 9/30/2019

Gasoline Range Organics	4.24300	1.0	0.20	5.00000		84.9	70 - 130		
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<i>Surrogate: 4-Bromofluorobenzene</i>	0.1919			0.200000		95.9	45 - 149		
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Matrix Spike (B9I0912-MS1)

Source: 1903535-02

Prepared: 9/30/2019 Analyzed: 9/30/2019

Gasoline Range Organics	4.15000	1.0	0.20	5.00000	ND	83.0	24 - 129		
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<i>Surrogate: 4-Bromofluorobenzene</i>	0.2002			0.200000		100	45 - 149		
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Matrix Spike Dup (B9I0912-MSD1)

Source: 1903535-02

Prepared: 9/30/2019 Analyzed: 9/30/2019

Gasoline Range Organics	4.10100	1.0	0.20	5.00000	ND	82.0	24 - 129	1.19	20
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<i>Surrogate: 4-Bromofluorobenzene</i>	0.2010			0.200000		101	45 - 149		
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Diesel Range Organics by EPA 8015B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B910906 - GCSEMI_DRO_S

Blank (B910906-BLK1)

Prepared: 9/28/2019 Analyzed: 9/30/2019

DRO	ND	10	10						
ORO	ND	10	10						

Surrogate: <i>p</i> -Terphenyl	80.86			80.0000		101	58 - 172		
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LCS (B910906-BS1)

Prepared: 9/28/2019 Analyzed: 9/30/2019

DRO	802.440	10	10	1000.00		80.2	71 - 165		
Surrogate: <i>p</i> -Terphenyl	70.41			80.0000		88.0	58 - 172		

Matrix Spike (B910906-MS1)

Source: 1903535-01

Prepared: 9/28/2019 Analyzed: 9/30/2019

DRO	775.630	10	10	1000.00	ND	77.6	61 - 171		
Surrogate: <i>p</i> -Terphenyl	63.05			80.0000		78.8	58 - 172		

Matrix Spike Dup (B910906-MSD1)

Source: 1903535-01

Prepared: 9/28/2019 Analyzed: 9/30/2019

DRO	641.260	10	10	1000.00	ND	64.1	61 - 171	19.0	20
Surrogate: <i>p</i> -Terphenyl	55.32			80.0000		69.2	58 - 172		



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Diesel Range Organics by EPA 8015B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B9J0017 - GCSEMI_DRO_S										
Blank (B9J0017-BLK1)					Prepared: 10/1/2019 Analyzed: 10/1/2019					
DRO	ND	10	10							
ORO	ND	10	10							
<i>Surrogate: p-Terphenyl</i>	92.20			80.0000		115	58 - 172			
LCS (B9J0017-BS1)					Prepared: 10/1/2019 Analyzed: 10/1/2019					
DRO	980.510	10	10	1000.00		98.1	71 - 165			
<i>Surrogate: p-Terphenyl</i>	86.31			80.0000		108	58 - 172			
Matrix Spike (B9J0017-MS1)					Source: 1903535-41		Prepared: 10/1/2019 Analyzed: 10/1/2019			
DRO	1034.28	10	10	1000.00	41.2800	99.3	61 - 171			
<i>Surrogate: p-Terphenyl</i>	82.24			80.0000		103	58 - 172			
Matrix Spike Dup (B9J0017-MSD1)					Source: 1903535-41		Prepared: 10/1/2019 Analyzed: 10/1/2019			
DRO	1016.59	10	10	1000.00	41.2800	97.5	61 - 171	1.73	20	
<i>Surrogate: p-Terphenyl</i>	81.50			80.0000		102	58 - 172			



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Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B910827 - MSVOA_S

Blank (B910827-BLK1)

Prepared: 9/26/2019 Analyzed: 9/26/2019

1,1,1,2-Tetrachloroethane	ND	5.0	0.40
1,1,1-Trichloroethane	ND	5.0	0.79
1,1,2,2-Tetrachloroethane	ND	5.0	0.70
1,1,2-Trichloroethane	ND	5.0	0.57
1,1-Dichloroethane	ND	5.0	0.63
1,1-Dichloroethene	ND	5.0	2.9
1,1-Dichloropropene	ND	5.0	0.26
1,2,3-Trichloropropane	ND	5.0	0.72
1,2,3-Trichlorobenzene	ND	5.0	0.57
1,2,4-Trichlorobenzene	ND	5.0	0.61
1,2,4-Trimethylbenzene	ND	5.0	1.0
1,2-Dibromo-3-chloropropane	ND	10	1.2
1,2-Dibromoethane	ND	5.0	0.28
1,2-Dichlorobenzene	ND	5.0	0.45
1,2-Dichloroethane	ND	5.0	0.88
1,2-Dichloropropane	ND	5.0	0.67
1,3,5-Trimethylbenzene	ND	5.0	0.35
1,3-Dichlorobenzene	ND	5.0	0.41
1,3-Dichloropropane	ND	5.0	0.49
1,4-Dichlorobenzene	ND	5.0	0.39
2,2-Dichloropropane	ND	5.0	0.61
2-Chlorotoluene	ND	5.0	0.26
4-Chlorotoluene	ND	5.0	0.20
4-Isopropyltoluene	ND	5.0	0.28
Benzene	ND	5.0	0.37
Bromobenzene	ND	5.0	0.44
Bromochloromethane	ND	5.0	0.99
Bromodichloromethane	ND	5.0	0.58
Bromoform	ND	5.0	0.37
Bromomethane	ND	5.0	4.7
Carbon disulfide	ND	5.0	3.2
Carbon tetrachloride	ND	5.0	0.65
Chlorobenzene	ND	5.0	0.29
Chloroethane	ND	5.0	4.0
Chloroform	ND	5.0	0.75
Chloromethane	ND	5.0	0.98
cis-1,2-Dichloroethene	ND	5.0	0.82
cis-1,3-Dichloropropene	ND	5.0	0.22
Di-isopropyl ether	ND	5.0	0.55
Dibromochloromethane	ND	5.0	0.20
Dibromomethane	ND	5.0	0.56



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B910827 - MSVOA_S (continued)

Blank (B910827-BLK1) - Continued

Prepared: 9/26/2019 Analyzed: 9/26/2019

Dichlorodifluoromethane	ND	5.0	2.6
Ethyl Acetate	ND	50	10
Ethyl Ether	ND	50	20
Ethyl tert-butyl ether	ND	5.0	0.32
Ethylbenzene	ND	5.0	0.26
Freon-113	ND	5.0	3.7
Hexachlorobutadiene	ND	5.0	0.40
Isopropylbenzene	ND	5.0	0.32
m,p-Xylene	ND	10	0.86
Methylene chloride	ND	5.0	3.4
MTBE	ND	5.0	1.3
n-Butylbenzene	ND	5.0	0.42
n-Propylbenzene	ND	5.0	0.25
Naphthalene	ND	5.0	0.50
o-Xylene	ND	5.0	0.46
sec-Butylbenzene	ND	5.0	0.36
Styrene	ND	5.0	0.38
tert-Amyl methyl ether	ND	5.0	0.43
tert-Butanol	ND	100	7.4
tert-Butylbenzene	ND	5.0	0.33
Tetrachloroethene	ND	5.0	0.31
Toluene	ND	5.0	0.47
trans-1,2-Dichloroethene	ND	5.0	1.4
trans-1,3-Dichloropropene	ND	5.0	0.48
Trichloroethene	ND	5.0	0.64
Trichlorofluoromethane	ND	5.0	0.79
Vinyl acetate	ND	50	9.0
Vinyl chloride	ND	5.0	0.74

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>52.11</i>			<i>50.0000</i>	<i>104</i>	<i>60 - 145</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>48.58</i>			<i>50.0000</i>	<i>97.2</i>	<i>68 - 121</i>
<i>Surrogate: Dibromofluoromethane</i>	<i>51.40</i>			<i>50.0000</i>	<i>103</i>	<i>65 - 137</i>
<i>Surrogate: Toluene-d8</i>	<i>51.53</i>			<i>50.0000</i>	<i>103</i>	<i>82 - 119</i>

LCS (B910827-BS1)

Prepared: 9/26/2019 Analyzed: 9/26/2019

1,1,1,2-Tetrachloroethane	50.2600	5.0	0.40	50.0000	101	82 - 114
1,1,1-Trichloroethane	52.7800	5.0	0.79	50.0000	106	70 - 121
1,1,2,2-Tetrachloroethane	43.7400	5.0	0.70	50.0000	87.5	65 - 116
1,1,2-Trichloroethane	50.5300	5.0	0.57	50.0000	101	73 - 114
1,1-Dichloroethane	51.1400	5.0	0.63	50.0000	102	69 - 117
1,1-Dichloroethene	50.0800	5.0	2.9	50.0000	100	57 - 128
1,1-Dichloropropene	56.1400	5.0	0.26	50.0000	112	76 - 122



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9I0827 - MSVOA_S (continued)

LCS (B9I0827-BS1) - Continued

Prepared: 9/26/2019 Analyzed: 9/26/2019

1,2,3-Trichloropropane	47.5300	5.0	0.72	50.0000	95.1	65 - 116
1,2,3-Trichlorobenzene	57.0600	5.0	0.57	50.0000	114	72 - 130
1,2,4-Trichlorobenzene	60.3900	5.0	0.61	50.0000	121	74 - 141
1,2,4-Trimethylbenzene	50.4400	5.0	1.0	50.0000	101	81 - 126
1,2-Dibromo-3-chloropropane	54.4200	10	1.2	50.0000	109	63 - 126
1,2-Dibromoethane	51.3000	5.0	0.28	50.0000	103	75 - 113
1,2-Dichlorobenzene	49.9900	5.0	0.45	50.0000	100	83 - 114
1,2-Dichloroethane	52.5600	5.0	0.88	50.0000	105	73 - 115
1,2-Dichloropropane	50.0100	5.0	0.67	50.0000	100	75 - 117
1,3,5-Trimethylbenzene	49.8600	5.0	0.35	50.0000	99.7	80 - 126
1,3-Dichlorobenzene	48.5800	5.0	0.41	50.0000	97.2	83 - 113
1,3-Dichloropropane	49.7200	5.0	0.49	50.0000	99.4	79 - 108
1,4-Dichlorobenzene	48.2000	5.0	0.39	50.0000	96.4	82 - 114
2,2-Dichloropropane	52.0500	5.0	0.61	50.0000	104	66 - 135
2-Chlorotoluene	46.6900	5.0	0.26	50.0000	93.4	79 - 117
4-Chlorotoluene	46.8400	5.0	0.20	50.0000	93.7	77 - 118
4-Isopropyltoluene	51.9100	5.0	0.28	50.0000	104	81 - 129
Benzene	102.610	5.0	0.37	100.000	103	78 - 112
Bromobenzene	45.2900	5.0	0.44	50.0000	90.6	79 - 111
Bromochloromethane	48.4800	5.0	0.99	50.0000	97.0	69 - 116
Bromodichloromethane	50.1400	5.0	0.58	50.0000	100	79 - 111
Bromoform	50.1200	5.0	0.37	50.0000	100	75 - 119
Bromomethane	39.6900	5.0	4.7	50.0000	79.4	31 - 168
Carbon disulfide	49.6000	5.0	3.2	50.0000	99.2	54 - 141
Carbon tetrachloride	53.3100	5.0	0.65	50.0000	107	74 - 125
Chlorobenzene	49.9400	5.0	0.29	50.0000	99.9	83 - 112
Chloroethane	47.7900	5.0	4.0	50.0000	95.6	53 - 144
Chloroform	49.8500	5.0	0.75	50.0000	99.7	69 - 118
Chloromethane	51.9500	5.0	0.98	50.0000	104	46 - 137
cis-1,2-Dichloroethene	49.2600	5.0	0.82	50.0000	98.5	68 - 118
cis-1,3-Dichloropropene	59.2400	5.0	0.22	50.0000	118	77 - 121
Di-isopropyl ether	49.3500	5.0	0.55	50.0000	98.7	60 - 129
Dibromochloromethane	49.5600	5.0	0.20	50.0000	99.1	80 - 111
Dibromomethane	50.2100	5.0	0.56	50.0000	100	78 - 108
Dichlorodifluoromethane	50.0700	5.0	2.6	50.0000	100	41 - 146
Ethyl Acetate	521.880	50	10	500.000	104	52 - 130
Ethyl Ether	592.730	50	20	500.000	119	54 - 138
Ethyl tert-butyl ether	68.4200	5.0	0.32	50.0000	137	52 - 141
Ethylbenzene	98.6100	5.0	0.26	100.000	98.6	82 - 121
Freon-113	49.8200	5.0	3.7	50.0000	99.6	59 - 139
Hexachlorobutadiene	55.1600	5.0	0.40	50.0000	110	69 - 143
Isopropylbenzene	51.1400	5.0	0.32	50.0000	102	78 - 124



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
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Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9I0827 - MSVOA_S (continued)

LCS (B9I0827-BS1) - Continued

Prepared: 9/26/2019 Analyzed: 9/26/2019

m,p-Xylene	105.530	10	0.86	100.000		106	85 - 118		
Methylene chloride	48.8200	5.0	3.4	50.0000		97.6	44 - 146		
MTBE	59.0400	5.0	1.3	50.0000		118	61 - 122		
n-Butylbenzene	53.1500	5.0	0.42	50.0000		106	78 - 135		
n-Propylbenzene	47.3300	5.0	0.25	50.0000		94.7	78 - 127		
Naphthalene	55.1200	5.0	0.50	50.0000		110	68 - 129		
o-Xylene	106.120	5.0	0.46	100.000		106	86 - 118		
sec-Butylbenzene	49.9900	5.0	0.36	50.0000		100	80 - 127		
Styrene	53.6200	5.0	0.38	50.0000		107	85 - 117		
tert-Amyl methyl ether	61.0300	5.0	0.43	50.0000		122	48 - 135		
tert-Butanol	277.060	100	7.4	250.000		111	0 - 175		
tert-Butylbenzene	50.3600	5.0	0.33	50.0000		101	81 - 122		
Tetrachloroethene	51.0400	5.0	0.31	50.0000		102	77 - 122		
Toluene	102.200	5.0	0.47	100.000		102	79 - 114		
trans-1,2-Dichloroethene	50.4200	5.0	1.4	50.0000		101	66 - 125		
trans-1,3-Dichloropropene	52.9700	5.0	0.48	50.0000		106	76 - 120		
Trichloroethene	51.8100	5.0	0.64	50.0000		104	79 - 117		
Trichlorofluoromethane	48.3300	5.0	0.79	50.0000		96.7	55 - 133		
Vinyl acetate	568.180	50	9.0	500.000		114	52 - 141		
Vinyl chloride	49.9500	5.0	0.74	50.0000		99.9	58 - 132		

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>52.24</i>			<i>50.0000</i>		<i>104</i>	<i>60 - 145</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>50.73</i>			<i>50.0000</i>		<i>101</i>	<i>68 - 121</i>		
<i>Surrogate: Dibromofluoromethane</i>	<i>50.19</i>			<i>50.0000</i>		<i>100</i>	<i>65 - 137</i>		
<i>Surrogate: Toluene-d8</i>	<i>51.98</i>			<i>50.0000</i>		<i>104</i>	<i>82 - 119</i>		

LCS Dup (B9I0827-BSD1)

Prepared: 9/26/2019 Analyzed: 9/26/2019

1,1,1,2-Tetrachloroethane	50.3400	5.0	0.40	50.0000		101	82 - 114	0.159	20
1,1,1-Trichloroethane	53.2900	5.0	0.79	50.0000		107	70 - 121	0.962	20
1,1,2,2-Tetrachloroethane	46.2000	5.0	0.70	50.0000		92.4	65 - 116	5.47	20
1,1,2-Trichloroethane	50.7100	5.0	0.57	50.0000		101	73 - 114	0.356	20
1,1-Dichloroethane	51.1800	5.0	0.63	50.0000		102	69 - 117	0.0782	20
1,1-Dichloroethene	49.8400	5.0	2.9	50.0000		99.7	57 - 128	0.480	20
1,1-Dichloropropene	56.0800	5.0	0.26	50.0000		112	76 - 122	0.107	20
1,2,3-Trichloropropane	48.3500	5.0	0.72	50.0000		96.7	65 - 116	1.71	20
1,2,3-Trichlorobenzene	64.3900	5.0	0.57	50.0000		129	72 - 130	12.1	20
1,2,4-Trichlorobenzene	67.9900	5.0	0.61	50.0000		136	74 - 141	11.8	20
1,2,4-Trimethylbenzene	53.0900	5.0	1.0	50.0000		106	81 - 126	5.12	20
1,2-Dibromo-3-chloropropane	57.4300	10	1.2	50.0000		115	63 - 126	5.38	20
1,2-Dibromoethane	52.4800	5.0	0.28	50.0000		105	75 - 113	2.27	20
1,2-Dichlorobenzene	52.8700	5.0	0.45	50.0000		106	83 - 114	5.60	20
1,2-Dichloroethane	53.6000	5.0	0.88	50.0000		107	73 - 115	1.96	20



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9I0827 - MSVOA_S (continued)

LCS Dup (B9I0827-BSD1) - Continued

Prepared: 9/26/2019 Analyzed: 9/26/2019

1,2-Dichloropropane	49.1500	5.0	0.67	50.0000		98.3	75 - 117	1.73	20	
1,3,5-Trimethylbenzene	53.2900	5.0	0.35	50.0000		107	80 - 126	6.65	20	
1,3-Dichlorobenzene	51.7100	5.0	0.41	50.0000		103	83 - 113	6.24	20	
1,3-Dichloropropane	49.9000	5.0	0.49	50.0000		99.8	79 - 108	0.361	20	
1,4-Dichlorobenzene	51.0700	5.0	0.39	50.0000		102	82 - 114	5.78	20	
2,2-Dichloropropane	54.1700	5.0	0.61	50.0000		108	66 - 135	3.99	20	
2-Chlorotoluene	49.2800	5.0	0.26	50.0000		98.6	79 - 117	5.40	20	
4-Chlorotoluene	50.0200	5.0	0.20	50.0000		100	77 - 118	6.57	20	
4-Isopropyltoluene	55.7400	5.0	0.28	50.0000		111	81 - 129	7.12	20	
Benzene	103.050	5.0	0.37	100.000		103	78 - 112	0.428	20	
Bromobenzene	47.6500	5.0	0.44	50.0000		95.3	79 - 111	5.08	20	
Bromochloromethane	50.1800	5.0	0.99	50.0000		100	69 - 116	3.45	20	
Bromodichloromethane	50.6500	5.0	0.58	50.0000		101	79 - 111	1.01	20	
Bromoform	50.5500	5.0	0.37	50.0000		101	75 - 119	0.854	20	
Bromomethane	38.5600	5.0	4.7	50.0000		77.1	31 - 168	2.89	20	
Carbon disulfide	48.9800	5.0	3.2	50.0000		98.0	54 - 141	1.26	20	
Carbon tetrachloride	55.6000	5.0	0.65	50.0000		111	74 - 125	4.21	20	
Chlorobenzene	51.2400	5.0	0.29	50.0000		102	83 - 112	2.57	20	
Chloroethane	44.7000	5.0	4.0	50.0000		89.4	53 - 144	6.68	20	
Chloroform	49.2100	5.0	0.75	50.0000		98.4	69 - 118	1.29	20	
Chloromethane	49.9600	5.0	0.98	50.0000		99.9	46 - 137	3.91	20	
cis-1,2-Dichloroethene	49.6400	5.0	0.82	50.0000		99.3	68 - 118	0.768	20	
cis-1,3-Dichloropropene	59.7200	5.0	0.22	50.0000		119	77 - 121	0.807	20	
Di-isopropyl ether	50.3400	5.0	0.55	50.0000		101	60 - 129	1.99	20	
Dibromochloromethane	50.1100	5.0	0.20	50.0000		100	80 - 111	1.10	20	
Dibromomethane	50.6000	5.0	0.56	50.0000		101	78 - 108	0.774	20	
Dichlorodifluoromethane	47.7000	5.0	2.6	50.0000		95.4	41 - 146	4.85	20	
Ethyl Acetate	517.430	50	10	500.000		103	52 - 130	0.856	20	
Ethyl Ether	582.530	50	20	500.000		117	54 - 138	1.74	20	
Ethyl tert-butyl ether	68.4500	5.0	0.32	50.0000		137	52 - 141	0.0438	20	
Ethylbenzene	100.690	5.0	0.26	100.000		101	82 - 121	2.09	20	
Freon-113	49.5600	5.0	3.7	50.0000		99.1	59 - 139	0.523	20	
Hexachlorobutadiene	61.5200	5.0	0.40	50.0000		123	69 - 143	10.9	20	
Isopropylbenzene	53.6000	5.0	0.32	50.0000		107	78 - 124	4.70	20	
m,p-Xylene	106.420	10	0.86	100.000		106	85 - 118	0.840	20	
Methylene chloride	48.5400	5.0	3.4	50.0000		97.1	44 - 146	0.575	20	
MTBE	59.5900	5.0	1.3	50.0000		119	61 - 122	0.927	20	
n-Butylbenzene	57.4500	5.0	0.42	50.0000		115	78 - 135	7.78	20	
n-Propylbenzene	50.5200	5.0	0.25	50.0000		101	78 - 127	6.52	20	
Naphthalene	59.3200	5.0	0.50	50.0000		119	68 - 129	7.34	20	
o-Xylene	106.860	5.0	0.46	100.000		107	86 - 118	0.695	20	
sec-Butylbenzene	53.5400	5.0	0.36	50.0000		107	80 - 127	6.86	20	



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9I0827 - MSVOA_S (continued)

LCS Dup (B9I0827-BSD1) - Continued

Prepared: 9/26/2019 Analyzed: 9/26/2019

Styrene	54.7500	5.0	0.38	50.0000		110	85 - 117	2.09	20	
tert-Amyl methyl ether	61.4800	5.0	0.43	50.0000		123	48 - 135	0.735	20	
tert-Butanol	281.460	100	7.4	250.000		113	0 - 175	1.58	20	
tert-Butylbenzene	53.4400	5.0	0.33	50.0000		107	81 - 122	5.93	20	
Tetrachloroethene	51.9400	5.0	0.31	50.0000		104	77 - 122	1.75	20	
Toluene	103.450	5.0	0.47	100.000		103	79 - 114	1.22	20	
trans-1,2-Dichloroethene	51.2500	5.0	1.4	50.0000		102	66 - 125	1.63	20	
trans-1,3-Dichloropropene	54.4300	5.0	0.48	50.0000		109	76 - 120	2.72	20	
Trichloroethene	52.6300	5.0	0.64	50.0000		105	79 - 117	1.57	20	
Trichlorofluoromethane	46.6700	5.0	0.79	50.0000		93.3	55 - 133	3.49	20	
Vinyl acetate	559.190	50	9.0	500.000		112	52 - 141	1.59	20	
Vinyl chloride	46.6200	5.0	0.74	50.0000		93.2	58 - 132	6.90	20	
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<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>52.17</i>			<i>50.0000</i>		<i>104</i>	<i>60 - 145</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>49.95</i>			<i>50.0000</i>		<i>99.9</i>	<i>68 - 121</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>49.01</i>			<i>50.0000</i>		<i>98.0</i>	<i>65 - 137</i>			
<i>Surrogate: Toluene-d8</i>	<i>51.62</i>			<i>50.0000</i>		<i>103</i>	<i>82 - 119</i>			

Matrix Spike (B9I0827-MS1)

Source: 1903535-03

Prepared: 9/26/2019 Analyzed: 9/26/2019

1,1,1,2-Tetrachloroethane	44.9900	5.0	0.40	50.0000	ND	90.0	45 - 121			
1,1,1-Trichloroethane	40.4600	5.0	0.79	50.0000	ND	80.9	43 - 127			
1,1,2,2-Tetrachloroethane	50.1900	5.0	0.70	50.0000	ND	100	32 - 128			
1,1,2-Trichloroethane	48.6600	5.0	0.57	50.0000	ND	97.3	45 - 121			
1,1-Dichloroethane	41.1500	5.0	0.63	50.0000	ND	82.3	46 - 119			
1,1-Dichloroethene	36.7400	5.0	2.9	50.0000	ND	73.5	40 - 130			
1,1-Dichloropropene	43.8300	5.0	0.26	50.0000	ND	87.7	45 - 130			
1,2,3-Trichloropropane	53.8500	5.0	0.72	50.0000	ND	108	42 - 124			
1,2,3-Trichlorobenzene	58.5500	5.0	0.57	50.0000	ND	117	4 - 135			
1,2,4-Trichlorobenzene	58.9800	5.0	0.61	50.0000	ND	118	8 - 141			
1,2,4-Trimethylbenzene	40.9600	5.0	1.0	50.0000	ND	81.9	30 - 136			
1,2-Dibromo-3-chloropropane	62.9300	10	1.2	50.0000	ND	126	38 - 132			
1,2-Dibromoethane	50.6200	5.0	0.28	50.0000	ND	101	45 - 121			
1,2-Dichlorobenzene	44.9800	5.0	0.45	50.0000	ND	90.0	30 - 125			
1,2-Dichloroethane	45.9100	5.0	0.88	50.0000	ND	91.8	51 - 115			
1,2-Dichloropropane	42.2100	5.0	0.67	50.0000	ND	84.4	50 - 118			
1,3,5-Trimethylbenzene	39.7800	5.0	0.35	50.0000	ND	79.6	29 - 137			
1,3-Dichlorobenzene	41.9100	5.0	0.41	50.0000	ND	83.8	30 - 124			
1,3-Dichloropropane	48.5900	5.0	0.49	50.0000	ND	97.2	49 - 116			
1,4-Dichlorobenzene	41.7800	5.0	0.39	50.0000	ND	83.6	31 - 124			
2,2-Dichloropropane	40.9000	5.0	0.61	50.0000	ND	81.8	41 - 134			
2-Chlorotoluene	39.2400	5.0	0.26	50.0000	ND	78.5	32 - 127			
4-Chlorotoluene	39.5400	5.0	0.20	50.0000	ND	79.1	34 - 124			



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B910827 - MSVOA_S (continued)

Matrix Spike (B910827-MS1) - Continued

Source: 1903535-03

Prepared: 9/26/2019 Analyzed: 9/26/2019

4-Isopropyltoluene	43.0200	5.0	0.28	50.0000	ND	86.0	26 - 141			
Benzene	81.2800	5.0	0.37	100.000	ND	81.3	48 - 117			
Bromobenzene	42.0200	5.0	0.44	50.0000	ND	84.0	40 - 117			
Bromochloromethane	44.1800	5.0	0.99	50.0000	ND	88.4	48 - 117			
Bromodichloromethane	43.6800	5.0	0.58	50.0000	ND	87.4	49 - 115			
Bromoform	53.0100	5.0	0.37	50.0000	ND	106	42 - 127			
Bromomethane	31.2100	5.0	4.7	50.0000	ND	62.4	19 - 157			
Carbon disulfide	35.3500	5.0	3.2	50.0000	ND	70.7	34 - 138			
Carbon tetrachloride	41.1700	5.0	0.65	50.0000	ND	82.3	43 - 130			
Chlorobenzene	43.0100	5.0	0.29	50.0000	ND	86.0	41 - 122			
Chloroethane	34.8600	5.0	4.0	50.0000	ND	69.7	32 - 145			
Chloroform	41.2600	5.0	0.75	50.0000	ND	82.5	46 - 118			
Chloromethane	40.2600	5.0	0.98	50.0000	ND	80.5	34 - 132			
cis-1,2-Dichloroethene	41.7700	5.0	0.82	50.0000	ND	83.5	44 - 119			
cis-1,3-Dichloropropene	53.2700	5.0	0.22	50.0000	ND	107	44 - 126			
Di-isopropyl ether	43.2500	5.0	0.55	50.0000	ND	86.5	42 - 126			
Dibromochloromethane	47.0900	5.0	0.20	50.0000	ND	94.2	46 - 119			
Dibromomethane	48.5300	5.0	0.56	50.0000	ND	97.1	52 - 114			
Dichlorodifluoromethane	37.0100	5.0	2.6	50.0000	ND	74.0	22 - 147			
Ethyl Acetate	533.540	50	10	500.000	ND	107	9 - 140			
Ethyl Ether	511.290	50	20	500.000	ND	102	45 - 131			
Ethyl tert-butyl ether	62.5700	5.0	0.32	50.0000	ND	125	33 - 138			
Ethylbenzene	79.8800	5.0	0.26	100.000	ND	79.9	38 - 131			
Freon-113	37.3300	5.0	3.7	50.0000	ND	74.7	38 - 140			
Hexachlorobutadiene	49.9400	5.0	0.40	50.0000	ND	99.9	4 - 141			
Isopropylbenzene	43.3300	5.0	0.32	50.0000	ND	86.7	35 - 133			
m,p-Xylene	81.0900	10	0.86	100.000	ND	81.1	38 - 130			
Methylene chloride	39.8600	5.0	3.4	50.0000	ND	79.7	26 - 137			
MTBE	58.7200	5.0	1.3	50.0000	ND	117	45 - 121			
n-Butylbenzene	43.5700	5.0	0.42	50.0000	ND	87.1	18 - 144			
n-Propylbenzene	39.1800	5.0	0.25	50.0000	ND	78.4	30 - 137			
Naphthalene	61.3700	5.0	0.50	50.0000	ND	123	14 - 137			
o-Xylene	82.1200	5.0	0.46	100.000	ND	82.1	41 - 129			
sec-Butylbenzene	42.1100	5.0	0.36	50.0000	ND	84.2	24 - 140			
Styrene	43.5500	5.0	0.38	50.0000	ND	87.1	41 - 125			
tert-Amyl methyl ether	60.2100	5.0	0.43	50.0000	ND	120	31 - 133			
tert-Butanol	272.850	100	7.4	250.000	ND	109	0 - 201			
tert-Butylbenzene	42.0200	5.0	0.33	50.0000	ND	84.0	30 - 134			
Tetrachloroethene	41.8800	5.0	0.31	50.0000	ND	83.8	37 - 130			
Toluene	83.7900	5.0	0.47	100.000	ND	83.8	45 - 122			
trans-1,2-Dichloroethene	39.4200	5.0	1.4	50.0000	ND	78.8	46 - 122			
trans-1,3-Dichloropropene	49.1600	5.0	0.48	50.0000	ND	98.3	44 - 124			



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B910827 - MSVOA_S (continued)

Matrix Spike (B910827-MS1) - Continued

Source: 1903535-03

Prepared: 9/26/2019 Analyzed: 9/26/2019

Trichloroethene	42.6400	5.0	0.64	50.0000	ND	85.3	36 - 142			
Trichlorofluoromethane	38.0600	5.0	0.79	50.0000	ND	76.1	37 - 135			
Vinyl acetate	539.210	50	9.0	500.000	ND	108	0 - 136			
Vinyl chloride	38.7100	5.0	0.74	50.0000	ND	77.4	42 - 131			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>54.73</i>			<i>50.0000</i>		<i>109</i>	<i>60 - 145</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>50.30</i>			<i>50.0000</i>		<i>101</i>	<i>68 - 121</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>51.74</i>			<i>50.0000</i>		<i>103</i>	<i>65 - 137</i>			
<i>Surrogate: Toluene-d8</i>	<i>51.95</i>			<i>50.0000</i>		<i>104</i>	<i>82 - 119</i>			

Matrix Spike Dup (B910827-MSD1)

Source: 1903535-03

Prepared: 9/26/2019 Analyzed: 9/26/2019

1,1,1,2-Tetrachloroethane	49.5600	5.0	0.40	50.0000	ND	99.1	45 - 121	9.67	20
1,1,1-Trichloroethane	45.3700	5.0	0.79	50.0000	ND	90.7	43 - 127	11.4	20
1,1,2,2-Tetrachloroethane	49.3300	5.0	0.70	50.0000	ND	98.7	32 - 128	1.73	20
1,1,2-Trichloroethane	52.1400	5.0	0.57	50.0000	ND	104	45 - 121	6.90	20
1,1-Dichloroethane	44.9800	5.0	0.63	50.0000	ND	90.0	46 - 119	8.89	20
1,1-Dichloroethene	40.5700	5.0	2.9	50.0000	ND	81.1	40 - 130	9.91	20
1,1-Dichloropropene	47.8600	5.0	0.26	50.0000	ND	95.7	45 - 130	8.79	20
1,2,3-Trichloropropane	52.2800	5.0	0.72	50.0000	ND	105	42 - 124	2.96	20
1,2,3-Trichlorobenzene	61.2700	5.0	0.57	50.0000	ND	123	4 - 135	4.54	20
1,2,4-Trichlorobenzene	61.4400	5.0	0.61	50.0000	ND	123	8 - 141	4.09	20
1,2,4-Trimethylbenzene	46.4700	5.0	1.0	50.0000	ND	92.9	30 - 136	12.6	20
1,2-Dibromo-3-chloropropane	64.5000	10	1.2	50.0000	ND	129	38 - 132	2.46	20
1,2-Dibromoethane	55.2200	5.0	0.28	50.0000	ND	110	45 - 121	8.69	20
1,2-Dichlorobenzene	49.9500	5.0	0.45	50.0000	ND	99.9	30 - 125	10.5	20
1,2-Dichloroethane	49.6500	5.0	0.88	50.0000	ND	99.3	51 - 115	7.83	20
1,2-Dichloropropane	47.6700	5.0	0.67	50.0000	ND	95.3	50 - 118	12.1	20
1,3,5-Trimethylbenzene	45.4000	5.0	0.35	50.0000	ND	90.8	29 - 137	13.2	20
1,3-Dichlorobenzene	46.2100	5.0	0.41	50.0000	ND	92.4	30 - 124	9.76	20
1,3-Dichloropropane	51.9800	5.0	0.49	50.0000	ND	104	49 - 116	6.74	20
1,4-Dichlorobenzene	46.8600	5.0	0.39	50.0000	ND	93.7	31 - 124	11.5	20
2,2-Dichloropropane	45.6600	5.0	0.61	50.0000	ND	91.3	41 - 134	11.0	20
2-Chlorotoluene	43.7200	5.0	0.26	50.0000	ND	87.4	32 - 127	10.8	20
4-Chlorotoluene	44.4800	5.0	0.20	50.0000	ND	89.0	34 - 124	11.8	20
4-Isopropyltoluene	47.8600	5.0	0.28	50.0000	ND	95.7	26 - 141	10.7	20
Benzene	89.8000	5.0	0.37	100.000	ND	89.8	48 - 117	9.96	20
Bromobenzene	45.4600	5.0	0.44	50.0000	ND	90.9	40 - 117	7.86	20
Bromochloromethane	46.7600	5.0	0.99	50.0000	ND	93.5	48 - 117	5.67	20
Bromodichloromethane	48.1500	5.0	0.58	50.0000	ND	96.3	49 - 115	9.74	20
Bromoform	55.7900	5.0	0.37	50.0000	ND	112	42 - 127	5.11	20
Bromomethane	32.8800	5.0	4.7	50.0000	ND	65.8	19 - 157	5.21	20
Carbon disulfide	38.2100	5.0	3.2	50.0000	ND	76.4	34 - 138	7.78	20



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Project Number : CTR - Carson, 185804367

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Reported : 10/01/2019

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9I0827 - MSVOA_S (continued)

Matrix Spike Dup (B9I0827-MSD1) - Continued

Source: 1903535-03

Prepared: 9/26/2019 Analyzed: 9/26/2019

Carbon tetrachloride	45.8700	5.0	0.65	50.0000	ND	91.7	43 - 130	10.8	20	
Chlorobenzene	47.4100	5.0	0.29	50.0000	ND	94.8	41 - 122	9.73	20	
Chloroethane	34.3100	5.0	4.0	50.0000	ND	68.6	32 - 145	1.59	20	
Chloroform	44.6900	5.0	0.75	50.0000	ND	89.4	46 - 118	7.98	20	
Chloromethane	40.6700	5.0	0.98	50.0000	ND	81.3	34 - 132	1.01	20	
cis-1,2-Dichloroethene	44.2100	5.0	0.82	50.0000	ND	88.4	44 - 119	5.68	20	
cis-1,3-Dichloropropene	58.1200	5.0	0.22	50.0000	ND	116	44 - 126	8.71	20	
Di-isopropyl ether	47.2800	5.0	0.55	50.0000	ND	94.6	42 - 126	8.90	20	
Dibromochloromethane	50.5400	5.0	0.20	50.0000	ND	101	46 - 119	7.07	20	
Dibromomethane	50.6600	5.0	0.56	50.0000	ND	101	52 - 114	4.29	20	
Dichlorodifluoromethane	37.1400	5.0	2.6	50.0000	ND	74.3	22 - 147	0.351	20	
Ethyl Acetate	516.040	50	10	500.000	ND	103	9 - 140	3.33	20	
Ethyl Ether	529.000	50	20	500.000	ND	106	45 - 131	3.40	20	
Ethyl tert-butyl ether	66.2700	5.0	0.32	50.0000	ND	133	33 - 138	5.74	20	
Ethylbenzene	89.2400	5.0	0.26	100.000	ND	89.2	38 - 131	11.1	20	
Freon-113	40.2400	5.0	3.7	50.0000	ND	80.5	38 - 140	7.50	20	
Hexachlorobutadiene	52.5000	5.0	0.40	50.0000	ND	105	4 - 141	5.00	20	
Isopropylbenzene	46.6300	5.0	0.32	50.0000	ND	93.3	35 - 133	7.34	20	
m,p-Xylene	93.8400	10	0.86	100.000	ND	93.8	38 - 130	14.6	20	
Methylene chloride	45.0300	5.0	3.4	50.0000	ND	90.1	26 - 137	12.2	20	
MTBE	59.1800	5.0	1.3	50.0000	ND	118	45 - 121	0.780	20	
n-Butylbenzene	47.8300	5.0	0.42	50.0000	ND	95.7	18 - 144	9.32	20	
n-Propylbenzene	43.2800	5.0	0.25	50.0000	ND	86.6	30 - 137	9.94	20	
Naphthalene	62.9100	5.0	0.50	50.0000	ND	126	14 - 137	2.48	20	
o-Xylene	95.7500	5.0	0.46	100.000	ND	95.8	41 - 129	15.3	20	
sec-Butylbenzene	45.7000	5.0	0.36	50.0000	ND	91.4	24 - 140	8.18	20	
Styrene	50.0400	5.0	0.38	50.0000	ND	100	41 - 125	13.9	20	
tert-Amyl methyl ether	64.9800	5.0	0.43	50.0000	ND	130	31 - 133	7.62	20	
tert-Butanol	315.380	100	7.4	250.000	ND	126	0 - 201	14.5	20	
tert-Butylbenzene	46.4200	5.0	0.33	50.0000	ND	92.8	30 - 134	9.95	20	
Tetrachloroethene	46.5800	5.0	0.31	50.0000	ND	93.2	37 - 130	10.6	20	
Toluene	92.0400	5.0	0.47	100.000	ND	92.0	45 - 122	9.38	20	
trans-1,2-Dichloroethene	42.5600	5.0	1.4	50.0000	ND	85.1	46 - 122	7.66	20	
trans-1,3-Dichloropropene	53.2500	5.0	0.48	50.0000	ND	106	44 - 124	7.99	20	
Trichloroethene	47.3200	5.0	0.64	50.0000	ND	94.6	36 - 142	10.4	20	
Trichlorofluoromethane	38.7000	5.0	0.79	50.0000	ND	77.4	37 - 135	1.67	20	
Vinyl acetate	521.170	50	9.0	500.000	ND	104	0 - 136	3.40	20	
Vinyl chloride	39.2000	5.0	0.74	50.0000	ND	78.4	42 - 131	1.26	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>53.05</i>			<i>50.0000</i>		<i>106</i>	<i>60 - 145</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>52.19</i>			<i>50.0000</i>		<i>104</i>	<i>68 - 121</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>51.63</i>			<i>50.0000</i>		<i>103</i>	<i>65 - 137</i>			



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9I0827 - MSVOA_S (continued)

Matrix Spike Dup (B9I0827-MSD1) - Continued

Source: 1903535-03

Prepared: 9/26/2019 Analyzed: 9/26/2019

Surrogate: Toluene-d8

52.17

50.0000

104

82 - 119



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Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B910869 - MSVOA_S

Blank (B910869-BLK1)

Prepared: 9/27/2019 Analyzed: 9/27/2019

1,1,1,2-Tetrachloroethane	ND	5.0	0.40
1,1,1-Trichloroethane	ND	5.0	0.79
1,1,2,2-Tetrachloroethane	ND	5.0	0.70
1,1,2-Trichloroethane	ND	5.0	0.57
1,1-Dichloroethane	ND	5.0	0.63
1,1-Dichloroethene	ND	5.0	2.9
1,1-Dichloropropene	ND	5.0	0.26
1,2,3-Trichloropropane	ND	5.0	0.72
1,2,3-Trichlorobenzene	ND	5.0	0.57
1,2,4-Trichlorobenzene	ND	5.0	0.61
1,2,4-Trimethylbenzene	ND	5.0	1.0
1,2-Dibromo-3-chloropropane	ND	10	1.2
1,2-Dibromoethane	ND	5.0	0.28
1,2-Dichlorobenzene	ND	5.0	0.45
1,2-Dichloroethane	ND	5.0	0.88
1,2-Dichloropropane	ND	5.0	0.67
1,3,5-Trimethylbenzene	ND	5.0	0.35
1,3-Dichlorobenzene	ND	5.0	0.41
1,3-Dichloropropane	ND	5.0	0.49
1,4-Dichlorobenzene	ND	5.0	0.39
2,2-Dichloropropane	ND	5.0	0.61
2-Chlorotoluene	ND	5.0	0.26
4-Chlorotoluene	ND	5.0	0.20
4-Isopropyltoluene	ND	5.0	0.28
Benzene	ND	5.0	0.37
Bromobenzene	ND	5.0	0.44
Bromochloromethane	ND	5.0	0.99
Bromodichloromethane	ND	5.0	0.58
Bromoform	ND	5.0	0.37
Bromomethane	ND	5.0	4.7
Carbon disulfide	ND	5.0	3.2
Carbon tetrachloride	ND	5.0	0.65
Chlorobenzene	ND	5.0	0.29
Chloroethane	ND	5.0	4.0
Chloroform	ND	5.0	0.75
Chloromethane	ND	5.0	0.98
cis-1,2-Dichloroethene	ND	5.0	0.82
cis-1,3-Dichloropropene	ND	5.0	0.22
Di-isopropyl ether	ND	5.0	0.55
Dibromochloromethane	ND	5.0	0.20
Dibromomethane	ND	5.0	0.56



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B910869 - MSVOA_S (continued)

Blank (B910869-BLK1) - Continued

Prepared: 9/27/2019 Analyzed: 9/27/2019

Dichlorodifluoromethane	ND	5.0	2.6						
Ethyl Acetate	ND	50	10						
Ethyl Ether	ND	50	20						
Ethyl tert-butyl ether	ND	5.0	0.32						
Ethylbenzene	ND	5.0	0.26						
Freon-113	ND	5.0	3.7						
Hexachlorobutadiene	ND	5.0	0.40						
Isopropylbenzene	ND	5.0	0.32						
m,p-Xylene	ND	10	0.86						
Methylene chloride	ND	5.0	3.4						
MTBE	ND	5.0	1.3						
n-Butylbenzene	ND	5.0	0.42						
n-Propylbenzene	ND	5.0	0.25						
Naphthalene	ND	5.0	0.50						
o-Xylene	ND	5.0	0.46						
sec-Butylbenzene	ND	5.0	0.36						
Styrene	ND	5.0	0.38						
tert-Amyl methyl ether	ND	5.0	0.43						
tert-Butanol	ND	100	7.4						
tert-Butylbenzene	ND	5.0	0.33						
Tetrachloroethene	ND	5.0	0.31						
Toluene	ND	5.0	0.47						
trans-1,2-Dichloroethene	ND	5.0	1.4						
trans-1,3-Dichloropropene	ND	5.0	0.48						
Trichloroethene	ND	5.0	0.64						
Trichlorofluoromethane	ND	5.0	0.79						
Vinyl acetate	ND	50	9.0						
Vinyl chloride	ND	5.0	0.74						

<i>Surrogate: 1,2-Dichloroethane-d4</i>	56.35			50.0000		113	60 - 145		
<i>Surrogate: 4-Bromofluorobenzene</i>	46.74			50.0000		93.5	68 - 121		
<i>Surrogate: Dibromofluoromethane</i>	53.02			50.0000		106	65 - 137		
<i>Surrogate: Toluene-d8</i>	49.63			50.0000		99.3	82 - 119		

LCS (B910869-BS1)

Prepared: 9/27/2019 Analyzed: 9/27/2019

1,1,1,2-Tetrachloroethane	53.4200	5.0	0.40	50.0000		107	82 - 114		
1,1,1-Trichloroethane	58.4900	5.0	0.79	50.0000		117	70 - 121		
1,1,2,2-Tetrachloroethane	55.6100	5.0	0.70	50.0000		111	65 - 116		
1,1,2-Trichloroethane	50.4000	5.0	0.57	50.0000		101	73 - 114		
1,1-Dichloroethane	55.6700	5.0	0.63	50.0000		111	69 - 117		
1,1-Dichloroethene	57.2400	5.0	2.9	50.0000		114	57 - 128		
1,1-Dichloropropene	60.5200	5.0	0.26	50.0000		121	76 - 122		



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9I0869 - MSVOA_S (continued)

LCS (B9I0869-BS1) - Continued

Prepared: 9/27/2019 Analyzed: 9/27/2019

1,2,3-Trichloropropane	58.9800	5.0	0.72	50.0000		118	65 - 116			L3
1,2,3-Trichlorobenzene	66.9000	5.0	0.57	50.0000		134	72 - 130			L3
1,2,4-Trichlorobenzene	68.9300	5.0	0.61	50.0000		138	74 - 141			
1,2,4-Trimethylbenzene	54.3000	5.0	1.0	50.0000		109	81 - 126			
1,2-Dibromo-3-chloropropane	64.4000	10	1.2	50.0000		129	63 - 126			L3
1,2-Dibromoethane	51.3000	5.0	0.28	50.0000		103	75 - 113			
1,2-Dichlorobenzene	52.8500	5.0	0.45	50.0000		106	83 - 114			
1,2-Dichloroethane	56.7300	5.0	0.88	50.0000		113	73 - 115			
1,2-Dichloropropane	53.0200	5.0	0.67	50.0000		106	75 - 117			
1,3,5-Trimethylbenzene	52.2900	5.0	0.35	50.0000		105	80 - 126			
1,3-Dichlorobenzene	52.5000	5.0	0.41	50.0000		105	83 - 113			
1,3-Dichloropropane	52.7600	5.0	0.49	50.0000		106	79 - 108			
1,4-Dichlorobenzene	51.6900	5.0	0.39	50.0000		103	82 - 114			
2,2-Dichloropropane	58.7800	5.0	0.61	50.0000		118	66 - 135			
2-Chlorotoluene	50.4700	5.0	0.26	50.0000		101	79 - 117			
4-Chlorotoluene	51.2600	5.0	0.20	50.0000		103	77 - 118			
4-Isopropyltoluene	58.1200	5.0	0.28	50.0000		116	81 - 129			
Benzene	108.910	5.0	0.37	100.000		109	78 - 112			
Bromobenzene	50.8800	5.0	0.44	50.0000		102	79 - 111			
Bromochloromethane	51.7900	5.0	0.99	50.0000		104	69 - 116			
Bromodichloromethane	52.8700	5.0	0.58	50.0000		106	79 - 111			
Bromoform	51.7200	5.0	0.37	50.0000		103	75 - 119			
Bromomethane	37.7300	5.0	4.7	50.0000		75.5	31 - 168			
Carbon disulfide	55.6600	5.0	3.2	50.0000		111	54 - 141			
Carbon tetrachloride	58.5100	5.0	0.65	50.0000		117	74 - 125			
Chlorobenzene	52.1100	5.0	0.29	50.0000		104	83 - 112			
Chloroethane	54.5000	5.0	4.0	50.0000		109	53 - 144			
Chloroform	54.1400	5.0	0.75	50.0000		108	69 - 118			
Chloromethane	52.5800	5.0	0.98	50.0000		105	46 - 137			
cis-1,2-Dichloroethene	54.0400	5.0	0.82	50.0000		108	68 - 118			
cis-1,3-Dichloropropene	60.8800	5.0	0.22	50.0000		122	77 - 121			L3
Di-isopropyl ether	52.3400	5.0	0.55	50.0000		105	60 - 129			
Dibromochloromethane	52.8600	5.0	0.20	50.0000		106	80 - 111			
Dibromomethane	52.3900	5.0	0.56	50.0000		105	78 - 108			
Dichlorodifluoromethane	50.4300	5.0	2.6	50.0000		101	41 - 146			
Ethyl Acetate	540.700	50	10	500.000		108	52 - 130			
Ethyl Ether	627.750	50	20	500.000		126	54 - 138			
Ethyl tert-butyl ether	69.6900	5.0	0.32	50.0000		139	52 - 141			
Ethylbenzene	100.550	5.0	0.26	100.000		101	82 - 121			
Freon-113	55.5400	5.0	3.7	50.0000		111	59 - 139			
Hexachlorobutadiene	67.6500	5.0	0.40	50.0000		135	69 - 143			
Isopropylbenzene	59.2100	5.0	0.32	50.0000		118	78 - 124			



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9I0869 - MSVOA_S (continued)

LCS (B9I0869-BS1) - Continued

Prepared: 9/27/2019 Analyzed: 9/27/2019

m,p-Xylene	97.3400	10	0.86	100.000		97.3	85 - 118			
Methylene chloride	51.0500	5.0	3.4	50.0000		102	44 - 146			
MTBE	60.8300	5.0	1.3	50.0000		122	61 - 122			
n-Butylbenzene	61.8800	5.0	0.42	50.0000		124	78 - 135			
n-Propylbenzene	53.4800	5.0	0.25	50.0000		107	78 - 127			
Naphthalene	59.9900	5.0	0.50	50.0000		120	68 - 129			
o-Xylene	96.7100	5.0	0.46	100.000		96.7	86 - 118			
sec-Butylbenzene	58.5200	5.0	0.36	50.0000		117	80 - 127			
Styrene	48.8700	5.0	0.38	50.0000		97.7	85 - 117			
tert-Amyl methyl ether	59.8900	5.0	0.43	50.0000		120	48 - 135			
tert-Butanol	281.590	100	7.4	250.000		113	0 - 175			
tert-Butylbenzene	57.1800	5.0	0.33	50.0000		114	81 - 122			
Tetrachloroethene	54.4300	5.0	0.31	50.0000		109	77 - 122			
Toluene	104.030	5.0	0.47	100.000		104	79 - 114			
trans-1,2-Dichloroethene	54.8100	5.0	1.4	50.0000		110	66 - 125			
trans-1,3-Dichloropropene	53.6300	5.0	0.48	50.0000		107	76 - 120			
Trichloroethene	55.2800	5.0	0.64	50.0000		111	79 - 117			
Trichlorofluoromethane	50.2400	5.0	0.79	50.0000		100	55 - 133			
Vinyl acetate	568.470	50	9.0	500.000		114	52 - 141			
Vinyl chloride	53.2300	5.0	0.74	50.0000		106	58 - 132			

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>53.84</i>			<i>50.0000</i>		<i>108</i>	<i>60 - 145</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>45.57</i>			<i>50.0000</i>		<i>91.1</i>	<i>68 - 121</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>50.65</i>			<i>50.0000</i>		<i>101</i>	<i>65 - 137</i>			
<i>Surrogate: Toluene-d8</i>	<i>51.26</i>			<i>50.0000</i>		<i>103</i>	<i>82 - 119</i>			

LCS Dup (B9I0869-BSD1)

Prepared: 9/27/2019 Analyzed: 9/27/2019

1,1,1,2-Tetrachloroethane	52.5000	5.0	0.40	50.0000		105	82 - 114	1.74	20	
1,1,1-Trichloroethane	55.7300	5.0	0.79	50.0000		111	70 - 121	4.83	20	
1,1,2,2-Tetrachloroethane	45.9500	5.0	0.70	50.0000		91.9	65 - 116	19.0	20	
1,1,2-Trichloroethane	51.8200	5.0	0.57	50.0000		104	73 - 114	2.78	20	
1,1-Dichloroethane	54.8100	5.0	0.63	50.0000		110	69 - 117	1.56	20	
1,1-Dichloroethene	51.8900	5.0	2.9	50.0000		104	57 - 128	9.80	20	
1,1-Dichloropropene	58.6800	5.0	0.26	50.0000		117	76 - 122	3.09	20	
1,2,3-Trichloropropane	48.1000	5.0	0.72	50.0000		96.2	65 - 116	20.3	20	R
1,2,3-Trichlorobenzene	60.0000	5.0	0.57	50.0000		120	72 - 130	10.9	20	
1,2,4-Trichlorobenzene	63.4200	5.0	0.61	50.0000		127	74 - 141	8.33	20	
1,2,4-Trimethylbenzene	51.6800	5.0	1.0	50.0000		103	81 - 126	4.94	20	
1,2-Dibromo-3-chloropropane	56.9200	10	1.2	50.0000		114	63 - 126	12.3	20	
1,2-Dibromoethane	54.2900	5.0	0.28	50.0000		109	75 - 113	5.66	20	
1,2-Dichlorobenzene	53.2400	5.0	0.45	50.0000		106	83 - 114	0.735	20	
1,2-Dichloroethane	56.9100	5.0	0.88	50.0000		114	73 - 115	0.317	20	



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Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9I0869 - MSVOA_S (continued)

LCS Dup (B9I0869-BSD1) - Continued

Prepared: 9/27/2019 Analyzed: 9/27/2019

1,2-Dichloropropane	52.7000	5.0	0.67	50.0000		105	75 - 117	0.605	20	
1,3,5-Trimethylbenzene	51.9500	5.0	0.35	50.0000		104	80 - 126	0.652	20	
1,3-Dichlorobenzene	51.5800	5.0	0.41	50.0000		103	83 - 113	1.77	20	
1,3-Dichloropropane	53.0200	5.0	0.49	50.0000		106	79 - 108	0.492	20	
1,4-Dichlorobenzene	50.7400	5.0	0.39	50.0000		101	82 - 114	1.85	20	
2,2-Dichloropropane	57.3600	5.0	0.61	50.0000		115	66 - 135	2.45	20	
2-Chlorotoluene	49.6100	5.0	0.26	50.0000		99.2	79 - 117	1.72	20	
4-Chlorotoluene	50.5000	5.0	0.20	50.0000		101	77 - 118	1.49	20	
4-Isopropyltoluene	54.5800	5.0	0.28	50.0000		109	81 - 129	6.28	20	
Benzene	107.000	5.0	0.37	100.000		107	78 - 112	1.77	20	
Bromobenzene	46.8400	5.0	0.44	50.0000		93.7	79 - 111	8.27	20	
Bromochloromethane	50.3200	5.0	0.99	50.0000		101	69 - 116	2.88	20	
Bromodichloromethane	52.5500	5.0	0.58	50.0000		105	79 - 111	0.607	20	
Bromoform	51.1400	5.0	0.37	50.0000		102	75 - 119	1.13	20	
Bromomethane	37.3100	5.0	4.7	50.0000		74.6	31 - 168	1.12	20	
Carbon disulfide	49.9800	5.0	3.2	50.0000		100	54 - 141	10.8	20	
Carbon tetrachloride	55.7200	5.0	0.65	50.0000		111	74 - 125	4.88	20	
Chlorobenzene	52.7300	5.0	0.29	50.0000		105	83 - 112	1.18	20	
Chloroethane	44.9400	5.0	4.0	50.0000		89.9	53 - 144	19.2	20	
Chloroform	52.5600	5.0	0.75	50.0000		105	69 - 118	2.96	20	
Chloromethane	49.3200	5.0	0.98	50.0000		98.6	46 - 137	6.40	20	
cis-1,2-Dichloroethene	52.8200	5.0	0.82	50.0000		106	68 - 118	2.28	20	
cis-1,3-Dichloropropene	62.8100	5.0	0.22	50.0000		126	77 - 121	3.12	20	L3
Di-isopropyl ether	53.4600	5.0	0.55	50.0000		107	60 - 129	2.12	20	
Dibromochloromethane	51.0400	5.0	0.20	50.0000		102	80 - 111	3.50	20	
Dibromomethane	52.3100	5.0	0.56	50.0000		105	78 - 108	0.153	20	
Dichlorodifluoromethane	49.1100	5.0	2.6	50.0000		98.2	41 - 146	2.65	20	
Ethyl Acetate	565.120	50	10	500.000		113	52 - 130	4.42	20	
Ethyl Ether	596.290	50	20	500.000		119	54 - 138	5.14	20	
Ethyl tert-butyl ether	73.9500	5.0	0.32	50.0000		148	52 - 141	5.93	20	L3
Ethylbenzene	104.490	5.0	0.26	100.000		104	82 - 121	3.84	20	
Freon-113	50.8800	5.0	3.7	50.0000		102	59 - 139	8.76	20	
Hexachlorobutadiene	57.7800	5.0	0.40	50.0000		116	69 - 143	15.7	20	
Isopropylbenzene	53.0600	5.0	0.32	50.0000		106	78 - 124	11.0	20	
m,p-Xylene	112.060	10	0.86	100.000		112	85 - 118	14.1	20	
Methylene chloride	51.4800	5.0	3.4	50.0000		103	44 - 146	0.839	20	
MTBE	62.9200	5.0	1.3	50.0000		126	61 - 122	3.38	20	L3
n-Butylbenzene	55.6600	5.0	0.42	50.0000		111	78 - 135	10.6	20	
n-Propylbenzene	49.8000	5.0	0.25	50.0000		99.6	78 - 127	7.13	20	
Naphthalene	57.3200	5.0	0.50	50.0000		115	68 - 129	4.55	20	
o-Xylene	112.550	5.0	0.46	100.000		113	86 - 118	15.1	20	
sec-Butylbenzene	52.8900	5.0	0.36	50.0000		106	80 - 127	10.1	20	



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9I0869 - MSVOA_S (continued)

LCS Dup (B9I0869-BSD1) - Continued

Prepared: 9/27/2019 Analyzed: 9/27/2019

Styrene	58.3600	5.0	0.38	50.0000		117	85 - 117	17.7	20	
tert-Amyl methyl ether	64.0900	5.0	0.43	50.0000		128	48 - 135	6.78	20	
tert-Butanol	291.290	100	7.4	250.000		117	0 - 175	3.39	20	
tert-Butylbenzene	52.6700	5.0	0.33	50.0000		105	81 - 122	8.21	20	
Tetrachloroethene	52.2700	5.0	0.31	50.0000		105	77 - 122	4.05	20	
Toluene	106.910	5.0	0.47	100.000		107	79 - 114	2.73	20	
trans-1,2-Dichloroethene	53.0100	5.0	1.4	50.0000		106	66 - 125	3.34	20	
trans-1,3-Dichloropropene	57.7500	5.0	0.48	50.0000		116	76 - 120	7.40	20	
Trichloroethene	53.8900	5.0	0.64	50.0000		108	79 - 117	2.55	20	
Trichlorofluoromethane	46.1900	5.0	0.79	50.0000		92.4	55 - 133	8.40	20	
Vinyl acetate	585.290	50	9.0	500.000		117	52 - 141	2.92	20	
Vinyl chloride	46.8400	5.0	0.74	50.0000		93.7	58 - 132	12.8	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>53.71</i>			<i>50.0000</i>		<i>107</i>	<i>60 - 145</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>51.58</i>			<i>50.0000</i>		<i>103</i>	<i>68 - 121</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>50.60</i>			<i>50.0000</i>		<i>101</i>	<i>65 - 137</i>			
<i>Surrogate: Toluene-d8</i>	<i>50.65</i>			<i>50.0000</i>		<i>101</i>	<i>82 - 119</i>			

Matrix Spike (B9I0869-MS1)

Source: 1903535-48

Prepared: 9/27/2019 Analyzed: 9/27/2019

1,1,1,2-Tetrachloroethane	48.7800	5.0	0.40	50.0000	ND	97.6	45 - 121			
1,1,1-Trichloroethane	46.6300	5.0	0.79	50.0000	ND	93.3	43 - 127			
1,1,2,2-Tetrachloroethane	47.7800	5.0	0.70	50.0000	ND	95.6	32 - 128			
1,1,2-Trichloroethane	51.1600	5.0	0.57	50.0000	ND	102	45 - 121			
1,1-Dichloroethane	45.5800	5.0	0.63	50.0000	ND	91.2	46 - 119			
1,1-Dichloroethene	40.2700	5.0	2.9	50.0000	ND	80.5	40 - 130			
1,1-Dichloropropene	47.5000	5.0	0.26	50.0000	ND	95.0	45 - 130			
1,2,3-Trichloropropane	50.9900	5.0	0.72	50.0000	ND	102	42 - 124			
1,2,3-Trichlorobenzene	53.7100	5.0	0.57	50.0000	ND	107	4 - 135			
1,2,4-Trichlorobenzene	53.1700	5.0	0.61	50.0000	ND	106	8 - 141			
1,2,4-Trimethylbenzene	45.4200	5.0	1.0	50.0000	ND	90.8	30 - 136			
1,2-Dibromo-3-chloropropane	63.7500	10	1.2	50.0000	ND	128	38 - 132			
1,2-Dibromoethane	52.0200	5.0	0.28	50.0000	ND	104	45 - 121			
1,2-Dichlorobenzene	48.4500	5.0	0.45	50.0000	ND	96.9	30 - 125			
1,2-Dichloroethane	51.5500	5.0	0.88	50.0000	ND	103	51 - 115			
1,2-Dichloropropane	46.4800	5.0	0.67	50.0000	ND	93.0	50 - 118			
1,3,5-Trimethylbenzene	45.2000	5.0	0.35	50.0000	ND	90.4	29 - 137			
1,3-Dichlorobenzene	45.0000	5.0	0.41	50.0000	ND	90.0	30 - 124			
1,3-Dichloropropane	50.8600	5.0	0.49	50.0000	ND	102	49 - 116			
1,4-Dichlorobenzene	44.7700	5.0	0.39	50.0000	ND	89.5	31 - 124			
2,2-Dichloropropane	47.0000	5.0	0.61	50.0000	ND	94.0	41 - 134			
2-Chlorotoluene	43.3900	5.0	0.26	50.0000	ND	86.8	32 - 127			
4-Chlorotoluene	44.1500	5.0	0.20	50.0000	ND	88.3	34 - 124			



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B910869 - MSVOA_S (continued)

Matrix Spike (B910869-MS1) - Continued

Source: 1903535-48

Prepared: 9/27/2019 Analyzed: 9/27/2019

4-Isopropyltoluene	47.1900	5.0	0.28	50.0000	ND	94.4	26 - 141			
Benzene	88.9500	5.0	0.37	100.000	ND	89.0	48 - 117			
Bromobenzene	42.9100	5.0	0.44	50.0000	ND	85.8	40 - 117			
Bromochloromethane	46.3200	5.0	0.99	50.0000	ND	92.6	48 - 117			
Bromodichloromethane	48.2400	5.0	0.58	50.0000	ND	96.5	49 - 115			
Bromoform	52.7800	5.0	0.37	50.0000	ND	106	42 - 127			
Bromomethane	29.9500	5.0	4.7	50.0000	ND	59.9	19 - 157			
Carbon disulfide	38.0100	5.0	3.2	50.0000	ND	76.0	34 - 138			
Carbon tetrachloride	45.8600	5.0	0.65	50.0000	ND	91.7	43 - 130			
Chlorobenzene	46.8900	5.0	0.29	50.0000	ND	93.8	41 - 122			
Chloroethane	33.2900	5.0	4.0	50.0000	ND	66.6	32 - 145			
Chloroform	46.2500	5.0	0.75	50.0000	ND	92.5	46 - 118			
Chloromethane	39.0500	5.0	0.98	50.0000	ND	78.1	34 - 132			
cis-1,2-Dichloroethene	46.8500	5.0	0.82	50.0000	ND	93.7	44 - 119			
cis-1,3-Dichloropropene	56.6900	5.0	0.22	50.0000	ND	113	44 - 126			
Di-isopropyl ether	46.8800	5.0	0.55	50.0000	ND	93.8	42 - 126			
Dibromochloromethane	49.6000	5.0	0.20	50.0000	ND	99.2	46 - 119			
Dibromomethane	49.4300	5.0	0.56	50.0000	ND	98.9	52 - 114			
Dichlorodifluoromethane	37.5200	5.0	2.6	50.0000	ND	75.0	22 - 147			
Ethyl Acetate	536.550	50	10	500.000	ND	107	9 - 140			
Ethyl Ether	498.170	50	20	500.000	ND	99.6	45 - 131			
Ethyl tert-butyl ether	66.2400	5.0	0.32	50.0000	ND	132	33 - 138			
Ethylbenzene	90.9300	5.0	0.26	100.000	ND	90.9	38 - 131			
Freon-113	40.0000	5.0	3.7	50.0000	ND	80.0	38 - 140			
Hexachlorobutadiene	49.6600	5.0	0.40	50.0000	ND	99.3	4 - 141			
Isopropylbenzene	46.1900	5.0	0.32	50.0000	ND	92.4	35 - 133			
m,p-Xylene	97.6400	10	0.86	100.000	ND	97.6	38 - 130			
Methylene chloride	56.6200	5.0	3.4	50.0000	15.9200	81.4	26 - 137			
MTBE	58.8700	5.0	1.3	50.0000	ND	118	45 - 121			
n-Butylbenzene	47.4000	5.0	0.42	50.0000	ND	94.8	18 - 144			
n-Propylbenzene	43.5800	5.0	0.25	50.0000	ND	87.2	30 - 137			
Naphthalene	57.4600	5.0	0.50	50.0000	ND	115	14 - 137			
o-Xylene	99.5700	5.0	0.46	100.000	ND	99.6	41 - 129			
sec-Butylbenzene	45.8200	5.0	0.36	50.0000	ND	91.6	24 - 140			
Styrene	51.9200	5.0	0.38	50.0000	ND	104	41 - 125			
tert-Amyl methyl ether	61.4200	5.0	0.43	50.0000	ND	123	31 - 133			
tert-Butanol	285.460	100	7.4	250.000	ND	114	0 - 201			
tert-Butylbenzene	46.7900	5.0	0.33	50.0000	ND	93.6	30 - 134			
Tetrachloroethene	44.6100	5.0	0.31	50.0000	ND	89.2	37 - 130			
Toluene	91.3300	5.0	0.47	100.000	ND	91.3	45 - 122			
trans-1,2-Dichloroethene	42.6500	5.0	1.4	50.0000	ND	85.3	46 - 122			
trans-1,3-Dichloropropene	52.9700	5.0	0.48	50.0000	ND	106	44 - 124			



Certificate of Analysis

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Reported : 10/01/2019

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B910869 - MSVOA_S (continued)

Matrix Spike (B910869-MS1) - Continued

Source: 1903535-48

Prepared: 9/27/2019 Analyzed: 9/27/2019

Trichloroethene	45.5000	5.0	0.64	50.0000	ND	91.0	36 - 142			
Trichlorofluoromethane	36.8100	5.0	0.79	50.0000	ND	73.6	37 - 135			
Vinyl acetate	532.890	50	9.0	500.000	ND	107	0 - 136			
Vinyl chloride	38.0400	5.0	0.74	50.0000	ND	76.1	42 - 131			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>56.40</i>			<i>50.0000</i>		<i>113</i>	<i>60 - 145</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>51.90</i>			<i>50.0000</i>		<i>104</i>	<i>68 - 121</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>51.48</i>			<i>50.0000</i>		<i>103</i>	<i>65 - 137</i>			
<i>Surrogate: Toluene-d8</i>	<i>50.75</i>			<i>50.0000</i>		<i>102</i>	<i>82 - 119</i>			

Matrix Spike Dup (B910869-MSD1)

Source: 1903535-48

Prepared: 9/27/2019 Analyzed: 9/27/2019

1,1,1,2-Tetrachloroethane	47.7800	5.0	0.40	50.0000	ND	95.6	45 - 121	2.07	20	
1,1,1-Trichloroethane	45.9000	5.0	0.79	50.0000	ND	91.8	43 - 127	1.58	20	
1,1,2,2-Tetrachloroethane	47.1600	5.0	0.70	50.0000	ND	94.3	32 - 128	1.31	20	
1,1,2-Trichloroethane	51.5700	5.0	0.57	50.0000	ND	103	45 - 121	0.798	20	
1,1-Dichloroethane	44.5200	5.0	0.63	50.0000	ND	89.0	46 - 119	2.35	20	
1,1-Dichloroethene	39.8700	5.0	2.9	50.0000	ND	79.7	40 - 130	0.998	20	
1,1-Dichloropropene	47.5000	5.0	0.26	50.0000	ND	95.0	45 - 130	0.00	20	
1,2,3-Trichloropropane	49.6100	5.0	0.72	50.0000	ND	99.2	42 - 124	2.74	20	
1,2,3-Trichlorobenzene	54.4900	5.0	0.57	50.0000	ND	109	4 - 135	1.44	20	
1,2,4-Trichlorobenzene	55.0200	5.0	0.61	50.0000	ND	110	8 - 141	3.42	20	
1,2,4-Trimethylbenzene	45.5200	5.0	1.0	50.0000	ND	91.0	30 - 136	0.220	20	
1,2-Dibromo-3-chloropropane	60.1000	10	1.2	50.0000	ND	120	38 - 132	5.89	20	
1,2-Dibromoethane	53.0400	5.0	0.28	50.0000	ND	106	45 - 121	1.94	20	
1,2-Dichlorobenzene	49.3800	5.0	0.45	50.0000	ND	98.8	30 - 125	1.90	20	
1,2-Dichloroethane	51.4000	5.0	0.88	50.0000	ND	103	51 - 115	0.291	20	
1,2-Dichloropropane	47.5200	5.0	0.67	50.0000	ND	95.0	50 - 118	2.21	20	
1,3,5-Trimethylbenzene	45.2900	5.0	0.35	50.0000	ND	90.6	29 - 137	0.199	20	
1,3-Dichlorobenzene	45.1200	5.0	0.41	50.0000	ND	90.2	30 - 124	0.266	20	
1,3-Dichloropropane	49.5100	5.0	0.49	50.0000	ND	99.0	49 - 116	2.69	20	
1,4-Dichlorobenzene	45.6500	5.0	0.39	50.0000	ND	91.3	31 - 124	1.95	20	
2,2-Dichloropropane	45.1100	5.0	0.61	50.0000	ND	90.2	41 - 134	4.10	20	
2-Chlorotoluene	43.7600	5.0	0.26	50.0000	ND	87.5	32 - 127	0.849	20	
4-Chlorotoluene	44.1400	5.0	0.20	50.0000	ND	88.3	34 - 124	0.0227	20	
4-Isopropyltoluene	47.8600	5.0	0.28	50.0000	ND	95.7	26 - 141	1.41	20	
Benzene	89.7500	5.0	0.37	100.000	ND	89.8	48 - 117	0.895	20	
Bromobenzene	42.8800	5.0	0.44	50.0000	ND	85.8	40 - 117	0.0699	20	
Bromochloromethane	45.3000	5.0	0.99	50.0000	ND	90.6	48 - 117	2.23	20	
Bromodichloromethane	48.1600	5.0	0.58	50.0000	ND	96.3	49 - 115	0.166	20	
Bromoform	52.6600	5.0	0.37	50.0000	ND	105	42 - 127	0.228	20	
Bromomethane	29.3700	5.0	4.7	50.0000	ND	58.7	19 - 157	1.96	20	
Carbon disulfide	37.4700	5.0	3.2	50.0000	ND	74.9	34 - 138	1.43	20	



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Report To : Brian Viggiano

Reported : 10/01/2019

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9I0869 - MSVOA_S (continued)

Matrix Spike Dup (B9I0869-MSD1) - Continued

Source: 1903535-48

Prepared: 9/27/2019 Analyzed: 9/27/2019

Carbon tetrachloride	46.2400	5.0	0.65	50.0000	ND	92.5	43 - 130	0.825	20	
Chlorobenzene	46.5900	5.0	0.29	50.0000	ND	93.2	41 - 122	0.642	20	
Chloroethane	30.5700	5.0	4.0	50.0000	ND	61.1	32 - 145	8.52	20	
Chloroform	45.5600	5.0	0.75	50.0000	ND	91.1	46 - 118	1.50	20	
Chloromethane	39.3800	5.0	0.98	50.0000	ND	78.8	34 - 132	0.842	20	
cis-1,2-Dichloroethene	44.2000	5.0	0.82	50.0000	ND	88.4	44 - 119	5.82	20	
cis-1,3-Dichloropropene	57.5600	5.0	0.22	50.0000	ND	115	44 - 126	1.52	20	
Di-isopropyl ether	46.5000	5.0	0.55	50.0000	ND	93.0	42 - 126	0.814	20	
Dibromochloromethane	48.3100	5.0	0.20	50.0000	ND	96.6	46 - 119	2.64	20	
Dibromomethane	49.8500	5.0	0.56	50.0000	ND	99.7	52 - 114	0.846	20	
Dichlorodifluoromethane	36.6100	5.0	2.6	50.0000	ND	73.2	22 - 147	2.46	20	
Ethyl Acetate	532.980	50	10	500.000	ND	107	9 - 140	0.668	20	
Ethyl Ether	515.740	50	20	500.000	ND	103	45 - 131	3.47	20	
Ethyl tert-butyl ether	65.5400	5.0	0.32	50.0000	ND	131	33 - 138	1.06	20	
Ethylbenzene	90.1200	5.0	0.26	100.000	ND	90.1	38 - 131	0.895	20	
Freon-113	39.7100	5.0	3.7	50.0000	ND	79.4	38 - 140	0.728	20	
Hexachlorobutadiene	51.2700	5.0	0.40	50.0000	ND	103	4 - 141	3.19	20	
Isopropylbenzene	46.3200	5.0	0.32	50.0000	ND	92.6	35 - 133	0.281	20	
m,p-Xylene	95.8700	10	0.86	100.000	ND	95.9	38 - 130	1.83	20	
Methylene chloride	52.2100	5.0	3.4	50.0000	15.9200	72.6	26 - 137	8.10	20	
MTBE	57.1800	5.0	1.3	50.0000	ND	114	45 - 121	2.91	20	
n-Butylbenzene	47.6800	5.0	0.42	50.0000	ND	95.4	18 - 144	0.589	20	
n-Propylbenzene	43.7800	5.0	0.25	50.0000	ND	87.6	30 - 137	0.458	20	
Naphthalene	57.3300	5.0	0.50	50.0000	ND	115	14 - 137	0.226	20	
o-Xylene	99.2400	5.0	0.46	100.000	ND	99.2	41 - 129	0.332	20	
sec-Butylbenzene	46.2300	5.0	0.36	50.0000	ND	92.5	24 - 140	0.891	20	
Styrene	51.1200	5.0	0.38	50.0000	ND	102	41 - 125	1.55	20	
tert-Amyl methyl ether	60.6800	5.0	0.43	50.0000	ND	121	31 - 133	1.21	20	
tert-Butanol	295.810	100	7.4	250.000	ND	118	0 - 201	3.56	20	
tert-Butylbenzene	46.5600	5.0	0.33	50.0000	ND	93.1	30 - 134	0.493	20	
Tetrachloroethene	43.8400	5.0	0.31	50.0000	ND	87.7	37 - 130	1.74	20	
Toluene	92.1800	5.0	0.47	100.000	ND	92.2	45 - 122	0.926	20	
trans-1,2-Dichloroethene	42.3800	5.0	1.4	50.0000	ND	84.8	46 - 122	0.635	20	
trans-1,3-Dichloropropene	53.8400	5.0	0.48	50.0000	ND	108	44 - 124	1.63	20	
Trichloroethene	45.9300	5.0	0.64	50.0000	ND	91.9	36 - 142	0.941	20	
Trichlorofluoromethane	37.4500	5.0	0.79	50.0000	ND	74.9	37 - 135	1.72	20	
Vinyl acetate	527.190	50	9.0	500.000	ND	105	0 - 136	1.08	20	
Vinyl chloride	38.8900	5.0	0.74	50.0000	ND	77.8	42 - 131	2.21	20	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	55.74			50.0000		111	60 - 145		
<i>Surrogate: 4-Bromofluorobenzene</i>	51.35			50.0000		103	68 - 121		
<i>Surrogate: Dibromofluoromethane</i>	51.29			50.0000		103	65 - 137		



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9I0869 - MSVOA_S (continued)

Matrix Spike Dup (B9I0869-MSD1) - Continued

Source: 1903535-48

Prepared: 9/27/2019 Analyzed: 9/27/2019

Surrogate: Toluene-d8

53.13

50.0000

106

82 - 119



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Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9I0891 - MSVOA_S

Blank (B9I0891-BLK1)

Prepared: 9/28/2019 Analyzed: 9/28/2019

1,1,1,2-Tetrachloroethane	ND	5.0	0.40
1,1,1-Trichloroethane	ND	5.0	0.79
1,1,2,2-Tetrachloroethane	ND	5.0	0.70
1,1,2-Trichloroethane	ND	5.0	0.57
1,1-Dichloroethane	ND	5.0	0.63
1,1-Dichloroethene	ND	5.0	2.9
1,1-Dichloropropene	ND	5.0	0.26
1,2,3-Trichloropropane	ND	5.0	0.72
1,2,3-Trichlorobenzene	ND	5.0	0.57
1,2,4-Trichlorobenzene	ND	5.0	0.61
1,2,4-Trimethylbenzene	ND	5.0	1.0
1,2-Dibromo-3-chloropropane	ND	10	1.2
1,2-Dibromoethane	ND	5.0	0.28
1,2-Dichlorobenzene	ND	5.0	0.45
1,2-Dichloroethane	ND	5.0	0.88
1,2-Dichloropropane	ND	5.0	0.67
1,3,5-Trimethylbenzene	ND	5.0	0.35
1,3-Dichlorobenzene	ND	5.0	0.41
1,3-Dichloropropane	ND	5.0	0.49
1,4-Dichlorobenzene	ND	5.0	0.39
2,2-Dichloropropane	ND	5.0	0.61
2-Chlorotoluene	ND	5.0	0.26
4-Chlorotoluene	ND	5.0	0.20
4-Isopropyltoluene	ND	5.0	0.28
Benzene	ND	5.0	0.37
Bromobenzene	ND	5.0	0.44
Bromochloromethane	ND	5.0	0.99
Bromodichloromethane	ND	5.0	0.58
Bromoform	ND	5.0	0.37
Bromomethane	ND	5.0	4.7
Carbon disulfide	ND	5.0	3.2
Carbon tetrachloride	ND	5.0	0.65
Chlorobenzene	ND	5.0	0.29
Chloroethane	ND	5.0	4.0
Chloroform	ND	5.0	0.75
Chloromethane	ND	5.0	0.98
cis-1,2-Dichloroethene	ND	5.0	0.82
cis-1,3-Dichloropropene	ND	5.0	0.22
Di-isopropyl ether	ND	5.0	0.55
Dibromochloromethane	ND	5.0	0.20
Dibromomethane	ND	5.0	0.56



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B910891 - MSVOA_S (continued)

Blank (B910891-BLK1) - Continued

Prepared: 9/28/2019 Analyzed: 9/28/2019

Dichlorodifluoromethane	ND	5.0	2.6						
Ethyl Acetate	ND	50	10						
Ethyl Ether	ND	50	20						
Ethyl tert-butyl ether	ND	5.0	0.32						
Ethylbenzene	ND	5.0	0.26						
Freon-113	ND	5.0	3.7						
Hexachlorobutadiene	ND	5.0	0.40						
Isopropylbenzene	ND	5.0	0.32						
m,p-Xylene	ND	10	0.86						
Methylene chloride	ND	5.0	3.4						
MTBE	ND	5.0	1.3						
n-Butylbenzene	ND	5.0	0.42						
n-Propylbenzene	ND	5.0	0.25						
Naphthalene	ND	5.0	0.50						
o-Xylene	ND	5.0	0.46						
sec-Butylbenzene	ND	5.0	0.36						
Styrene	ND	5.0	0.38						
tert-Amyl methyl ether	ND	5.0	0.43						
tert-Butanol	ND	100	7.4						
tert-Butylbenzene	ND	5.0	0.33						
Tetrachloroethene	ND	5.0	0.31						
Toluene	ND	5.0	0.47						
trans-1,2-Dichloroethene	ND	5.0	1.4						
trans-1,3-Dichloropropene	ND	5.0	0.48						
Trichloroethene	ND	5.0	0.64						
Trichlorofluoromethane	ND	5.0	0.79						
Vinyl acetate	ND	50	9.0						
Vinyl chloride	ND	5.0	0.74						

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>56.87</i>			<i>50.0000</i>		<i>114</i>	<i>60 - 145</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>48.51</i>			<i>50.0000</i>		<i>97.0</i>	<i>68 - 121</i>		
<i>Surrogate: Dibromofluoromethane</i>	<i>52.26</i>			<i>50.0000</i>		<i>105</i>	<i>65 - 137</i>		
<i>Surrogate: Toluene-d8</i>	<i>50.88</i>			<i>50.0000</i>		<i>102</i>	<i>82 - 119</i>		

LCS (B910891-BS1)

Prepared: 9/28/2019 Analyzed: 9/28/2019

1,1,1,2-Tetrachloroethane	48.0100	5.0	0.40	50.0000		96.0	82 - 114		
1,1,1-Trichloroethane	51.7900	5.0	0.79	50.0000		104	70 - 121		
1,1,2,2-Tetrachloroethane	45.7700	5.0	0.70	50.0000		91.5	65 - 116		
1,1,2-Trichloroethane	50.6900	5.0	0.57	50.0000		101	73 - 114		
1,1-Dichloroethane	50.0500	5.0	0.63	50.0000		100	69 - 117		
1,1-Dichloroethene	50.2100	5.0	2.9	50.0000		100	57 - 128		
1,1-Dichloropropene	52.6100	5.0	0.26	50.0000		105	76 - 122		



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9I0891 - MSVOA_S (continued)

LCS (B9I0891-BS1) - Continued

Prepared: 9/28/2019 Analyzed: 9/28/2019

1,2,3-Trichloropropane	47.6300	5.0	0.72	50.0000		95.3	65 - 116			
1,2,3-Trichlorobenzene	52.4300	5.0	0.57	50.0000		105	72 - 130			
1,2,4-Trichlorobenzene	54.9500	5.0	0.61	50.0000		110	74 - 141			
1,2,4-Trimethylbenzene	46.9500	5.0	1.0	50.0000		93.9	81 - 126			
1,2-Dibromo-3-chloropropane	52.7400	10	1.2	50.0000		105	63 - 126			
1,2-Dibromoethane	50.6200	5.0	0.28	50.0000		101	75 - 113			
1,2-Dichlorobenzene	46.9100	5.0	0.45	50.0000		93.8	83 - 114			
1,2-Dichloroethane	53.4100	5.0	0.88	50.0000		107	73 - 115			
1,2-Dichloropropane	47.6100	5.0	0.67	50.0000		95.2	75 - 117			
1,3,5-Trimethylbenzene	46.3600	5.0	0.35	50.0000		92.7	80 - 126			
1,3-Dichlorobenzene	46.0300	5.0	0.41	50.0000		92.1	83 - 113			
1,3-Dichloropropane	50.1700	5.0	0.49	50.0000		100	79 - 108			
1,4-Dichlorobenzene	45.6600	5.0	0.39	50.0000		91.3	82 - 114			
2,2-Dichloropropane	51.4000	5.0	0.61	50.0000		103	66 - 135			
2-Chlorotoluene	43.8500	5.0	0.26	50.0000		87.7	79 - 117			
4-Chlorotoluene	45.2600	5.0	0.20	50.0000		90.5	77 - 118			
4-Isopropyltoluene	48.5800	5.0	0.28	50.0000		97.2	81 - 129			
Benzene	97.9400	5.0	0.37	100.000		97.9	78 - 112			
Bromobenzene	42.8700	5.0	0.44	50.0000		85.7	79 - 111			
Bromochloromethane	46.4200	5.0	0.99	50.0000		92.8	69 - 116			
Bromodichloromethane	48.9900	5.0	0.58	50.0000		98.0	79 - 111			
Bromoform	49.9400	5.0	0.37	50.0000		99.9	75 - 119			
Bromomethane	37.6900	5.0	4.7	50.0000		75.4	31 - 168			
Carbon disulfide	48.9800	5.0	3.2	50.0000		98.0	54 - 141			
Carbon tetrachloride	51.5800	5.0	0.65	50.0000		103	74 - 125			
Chlorobenzene	47.2200	5.0	0.29	50.0000		94.4	83 - 112			
Chloroethane	54.5200	5.0	4.0	50.0000		109	53 - 144			
Chloroform	47.5800	5.0	0.75	50.0000		95.2	69 - 118			
Chloromethane	56.2100	5.0	0.98	50.0000		112	46 - 137			
cis-1,2-Dichloroethene	48.6000	5.0	0.82	50.0000		97.2	68 - 118			
cis-1,3-Dichloropropene	57.6700	5.0	0.22	50.0000		115	77 - 121			
Di-isopropyl ether	49.3200	5.0	0.55	50.0000		98.6	60 - 129			
Dibromochloromethane	48.0400	5.0	0.20	50.0000		96.1	80 - 111			
Dibromomethane	50.1700	5.0	0.56	50.0000		100	78 - 108			
Dichlorodifluoromethane	66.0600	5.0	2.6	50.0000		132	41 - 146			
Ethyl Acetate	593.280	50	10	500.000		119	52 - 130			
Ethyl Ether	613.130	50	20	500.000		123	54 - 138			
Ethyl tert-butyl ether	64.0700	5.0	0.32	50.0000		128	52 - 141			
Ethylbenzene	94.2000	5.0	0.26	100.000		94.2	82 - 121			
Freon-113	48.9500	5.0	3.7	50.0000		97.9	59 - 139			
Hexachlorobutadiene	48.7200	5.0	0.40	50.0000		97.4	69 - 143			
Isopropylbenzene	47.8000	5.0	0.32	50.0000		95.6	78 - 124			



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9I0891 - MSVOA_S (continued)

LCS (B9I0891-BS1) - Continued

Prepared: 9/28/2019 Analyzed: 9/28/2019

m,p-Xylene	98.9000	10	0.86	100.000		98.9	85 - 118		
Methylene chloride	45.8900	5.0	3.4	50.0000		91.8	44 - 146		
MTBE	57.7900	5.0	1.3	50.0000		116	61 - 122		
n-Butylbenzene	50.2400	5.0	0.42	50.0000		100	78 - 135		
n-Propylbenzene	44.9000	5.0	0.25	50.0000		89.8	78 - 127		
Naphthalene	51.8800	5.0	0.50	50.0000		104	68 - 129		
o-Xylene	99.2100	5.0	0.46	100.000		99.2	86 - 118		
sec-Butylbenzene	46.9700	5.0	0.36	50.0000		93.9	80 - 127		
Styrene	51.2100	5.0	0.38	50.0000		102	85 - 117		
tert-Amyl methyl ether	56.1100	5.0	0.43	50.0000		112	48 - 135		
tert-Butanol	290.360	100	7.4	250.000		116	0 - 175		
tert-Butylbenzene	47.3600	5.0	0.33	50.0000		94.7	81 - 122		
Tetrachloroethene	46.2000	5.0	0.31	50.0000		92.4	77 - 122		
Toluene	96.0100	5.0	0.47	100.000		96.0	79 - 114		
trans-1,2-Dichloroethene	48.2000	5.0	1.4	50.0000		96.4	66 - 125		
trans-1,3-Dichloropropene	52.9000	5.0	0.48	50.0000		106	76 - 120		
Trichloroethene	48.7000	5.0	0.64	50.0000		97.4	79 - 117		
Trichlorofluoromethane	51.7500	5.0	0.79	50.0000		104	55 - 133		
Vinyl acetate	581.610	50	9.0	500.000		116	52 - 141		
Vinyl chloride	58.8400	5.0	0.74	50.0000		118	58 - 132		

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>56.67</i>			<i>50.0000</i>		<i>113</i>	<i>60 - 145</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>50.80</i>			<i>50.0000</i>		<i>102</i>	<i>68 - 121</i>		
<i>Surrogate: Dibromofluoromethane</i>	<i>51.31</i>			<i>50.0000</i>		<i>103</i>	<i>65 - 137</i>		
<i>Surrogate: Toluene-d8</i>	<i>51.55</i>			<i>50.0000</i>		<i>103</i>	<i>82 - 119</i>		

LCS Dup (B9I0891-BSD1)

Prepared: 9/28/2019 Analyzed: 9/28/2019

1,1,1,2-Tetrachloroethane	51.7300	5.0	0.40	50.0000		103	82 - 114	7.46	20
1,1,1-Trichloroethane	54.8800	5.0	0.79	50.0000		110	70 - 121	5.79	20
1,1,2,2-Tetrachloroethane	47.9600	5.0	0.70	50.0000		95.9	65 - 116	4.67	20
1,1,2-Trichloroethane	52.9000	5.0	0.57	50.0000		106	73 - 114	4.27	20
1,1-Dichloroethane	54.4800	5.0	0.63	50.0000		109	69 - 117	8.48	20
1,1-Dichloroethene	53.3400	5.0	2.9	50.0000		107	57 - 128	6.05	20
1,1-Dichloropropene	57.2700	5.0	0.26	50.0000		115	76 - 122	8.48	20
1,2,3-Trichloropropane	50.1000	5.0	0.72	50.0000		100	65 - 116	5.05	20
1,2,3-Trichlorobenzene	56.9100	5.0	0.57	50.0000		114	72 - 130	8.19	20
1,2,4-Trichlorobenzene	61.1200	5.0	0.61	50.0000		122	74 - 141	10.6	20
1,2,4-Trimethylbenzene	52.2800	5.0	1.0	50.0000		105	81 - 126	10.7	20
1,2-Dibromo-3-chloropropane	60.2900	10	1.2	50.0000		121	63 - 126	13.4	20
1,2-Dibromoethane	54.2700	5.0	0.28	50.0000		109	75 - 113	6.96	20
1,2-Dichlorobenzene	52.6900	5.0	0.45	50.0000		105	83 - 114	11.6	20
1,2-Dichloroethane	57.0800	5.0	0.88	50.0000		114	73 - 115	6.64	20



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Reported : 10/01/2019

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9I0891 - MSVOA_S (continued)

LCS Dup (B9I0891-BSD1) - Continued

Prepared: 9/28/2019 Analyzed: 9/28/2019

1,2-Dichloropropane	52.0600	5.0	0.67	50.0000		104	75 - 117	8.93	20	
1,3,5-Trimethylbenzene	51.6900	5.0	0.35	50.0000		103	80 - 126	10.9	20	
1,3-Dichlorobenzene	51.0600	5.0	0.41	50.0000		102	83 - 113	10.4	20	
1,3-Dichloropropane	52.4900	5.0	0.49	50.0000		105	79 - 108	4.52	20	
1,4-Dichlorobenzene	51.2500	5.0	0.39	50.0000		102	82 - 114	11.5	20	
2,2-Dichloropropane	56.6100	5.0	0.61	50.0000		113	66 - 135	9.65	20	
2-Chlorotoluene	49.7800	5.0	0.26	50.0000		99.6	79 - 117	12.7	20	
4-Chlorotoluene	50.7400	5.0	0.20	50.0000		101	77 - 118	11.4	20	
4-Isopropyltoluene	54.8300	5.0	0.28	50.0000		110	81 - 129	12.1	20	
Benzene	105.930	5.0	0.37	100.000		106	78 - 112	7.84	20	
Bromobenzene	47.5100	5.0	0.44	50.0000		95.0	79 - 111	10.3	20	
Bromochloromethane	50.6100	5.0	0.99	50.0000		101	69 - 116	8.64	20	
Bromodichloromethane	52.2600	5.0	0.58	50.0000		105	79 - 111	6.46	20	
Bromoform	52.7800	5.0	0.37	50.0000		106	75 - 119	5.53	20	
Bromomethane	37.8900	5.0	4.7	50.0000		75.8	31 - 168	0.529	20	
Carbon disulfide	52.0700	5.0	3.2	50.0000		104	54 - 141	6.12	20	
Carbon tetrachloride	55.4600	5.0	0.65	50.0000		111	74 - 125	7.25	20	
Chlorobenzene	51.7600	5.0	0.29	50.0000		104	83 - 112	9.17	20	
Chloroethane	50.0100	5.0	4.0	50.0000		100	53 - 144	8.63	20	
Chloroform	51.6800	5.0	0.75	50.0000		103	69 - 118	8.26	20	
Chloromethane	53.5000	5.0	0.98	50.0000		107	46 - 137	4.94	20	
cis-1,2-Dichloroethene	51.5700	5.0	0.82	50.0000		103	68 - 118	5.93	20	
cis-1,3-Dichloropropene	62.5000	5.0	0.22	50.0000		125	77 - 121	8.04	20	L3
Di-isopropyl ether	52.9400	5.0	0.55	50.0000		106	60 - 129	7.08	20	
Dibromochloromethane	51.9400	5.0	0.20	50.0000		104	80 - 111	7.80	20	
Dibromomethane	53.2200	5.0	0.56	50.0000		106	78 - 108	5.90	20	
Dichlorodifluoromethane	62.0000	5.0	2.6	50.0000		124	41 - 146	6.34	20	
Ethyl Acetate	579.590	50	10	500.000		116	52 - 130	2.33	20	
Ethyl Ether	643.570	50	20	500.000		129	54 - 138	4.84	20	
Ethyl tert-butyl ether	69.5400	5.0	0.32	50.0000		139	52 - 141	8.19	20	
Ethylbenzene	102.590	5.0	0.26	100.000		103	82 - 121	8.53	20	
Freon-113	52.9400	5.0	3.7	50.0000		106	59 - 139	7.83	20	
Hexachlorobutadiene	56.0400	5.0	0.40	50.0000		112	69 - 143	14.0	20	
Isopropylbenzene	53.5700	5.0	0.32	50.0000		107	78 - 124	11.4	20	
m,p-Xylene	110.300	10	0.86	100.000		110	85 - 118	10.9	20	
Methylene chloride	49.3800	5.0	3.4	50.0000		98.8	44 - 146	7.33	20	
MTBE	62.5100	5.0	1.3	50.0000		125	61 - 122	7.85	20	L3
n-Butylbenzene	56.2600	5.0	0.42	50.0000		113	78 - 135	11.3	20	
n-Propylbenzene	50.7000	5.0	0.25	50.0000		101	78 - 127	12.1	20	
Naphthalene	56.6000	5.0	0.50	50.0000		113	68 - 129	8.70	20	
o-Xylene	110.450	5.0	0.46	100.000		110	86 - 118	10.7	20	
sec-Butylbenzene	53.0000	5.0	0.36	50.0000		106	80 - 127	12.1	20	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9I0891 - MSVOA_S (continued)

LCS Dup (B9I0891-BSD1) - Continued

Prepared: 9/28/2019 Analyzed: 9/28/2019

Styrene	57.4900	5.0	0.38	50.0000		115	85 - 117	11.6	20	
tert-Amyl methyl ether	61.1000	5.0	0.43	50.0000		122	48 - 135	8.51	20	
tert-Butanol	301.320	100	7.4	250.000		121	0 - 175	3.70	20	
tert-Butylbenzene	53.7400	5.0	0.33	50.0000		107	81 - 122	12.6	20	
Tetrachloroethene	51.1600	5.0	0.31	50.0000		102	77 - 122	10.2	20	
Toluene	104.640	5.0	0.47	100.000		105	79 - 114	8.60	20	
trans-1,2-Dichloroethene	52.1700	5.0	1.4	50.0000		104	66 - 125	7.91	20	
trans-1,3-Dichloropropene	57.3800	5.0	0.48	50.0000		115	76 - 120	8.12	20	
Trichloroethene	53.6900	5.0	0.64	50.0000		107	79 - 117	9.75	20	
Trichlorofluoromethane	49.3700	5.0	0.79	50.0000		98.7	55 - 133	4.71	20	
Vinyl acetate	594.930	50	9.0	500.000		119	52 - 141	2.26	20	
Vinyl chloride	54.4600	5.0	0.74	50.0000		109	58 - 132	7.73	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>54.75</i>			<i>50.0000</i>		<i>110</i>	<i>60 - 145</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>51.58</i>			<i>50.0000</i>		<i>103</i>	<i>68 - 121</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>50.58</i>			<i>50.0000</i>		<i>101</i>	<i>65 - 137</i>			
<i>Surrogate: Toluene-d8</i>	<i>51.41</i>			<i>50.0000</i>		<i>103</i>	<i>82 - 119</i>			

Matrix Spike (B9I0891-MS1)

Source: 1903535-29

Prepared: 9/28/2019 Analyzed: 9/28/2019

1,1,1,2-Tetrachloroethane	47.1100	5.0	0.40	50.0000	ND	94.2	45 - 121			
1,1,1-Trichloroethane	44.2300	5.0	0.79	50.0000	ND	88.5	43 - 127			
1,1,2,2-Tetrachloroethane	46.8400	5.0	0.70	50.0000	ND	93.7	32 - 128			
1,1,2-Trichloroethane	50.7200	5.0	0.57	50.0000	ND	101	45 - 121			
1,1-Dichloroethane	43.6100	5.0	0.63	50.0000	ND	87.2	46 - 119			
1,1-Dichloroethene	39.3900	5.0	2.9	50.0000	ND	78.8	40 - 130			
1,1-Dichloropropene	45.4300	5.0	0.26	50.0000	ND	90.9	45 - 130			
1,2,3-Trichloropropane	49.7700	5.0	0.72	50.0000	ND	99.5	42 - 124			
1,2,3-Trichlorobenzene	56.2800	5.0	0.57	50.0000	ND	113	4 - 135			
1,2,4-Trichlorobenzene	57.7700	5.0	0.61	50.0000	ND	116	8 - 141			
1,2,4-Trimethylbenzene	44.5900	5.0	1.0	50.0000	ND	89.2	30 - 136			
1,2-Dibromo-3-chloropropane	62.3300	10	1.2	50.0000	ND	125	38 - 132			
1,2-Dibromoethane	51.0000	5.0	0.28	50.0000	ND	102	45 - 121			
1,2-Dichlorobenzene	48.6000	5.0	0.45	50.0000	ND	97.2	30 - 125			
1,2-Dichloroethane	50.2400	5.0	0.88	50.0000	ND	100	51 - 115			
1,2-Dichloropropane	45.8900	5.0	0.67	50.0000	ND	91.8	50 - 118			
1,3,5-Trimethylbenzene	44.5500	5.0	0.35	50.0000	ND	89.1	29 - 137			
1,3-Dichlorobenzene	45.8700	5.0	0.41	50.0000	ND	91.7	30 - 124			
1,3-Dichloropropane	48.9900	5.0	0.49	50.0000	ND	98.0	49 - 116			
1,4-Dichlorobenzene	46.3600	5.0	0.39	50.0000	ND	92.7	31 - 124			
2,2-Dichloropropane	44.4800	5.0	0.61	50.0000	ND	89.0	41 - 134			
2-Chlorotoluene	43.7700	5.0	0.26	50.0000	ND	87.5	32 - 127			
4-Chlorotoluene	43.9000	5.0	0.20	50.0000	ND	87.8	34 - 124			



Certificate of Analysis

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Project Number : CTR - Carson, 185804367

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Reported : 10/01/2019

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B910891 - MSVOA_S (continued)

Matrix Spike (B910891-MS1) - Continued

Source: 1903535-29

Prepared: 9/28/2019 Analyzed: 9/28/2019

4-Isopropyltoluene	47.7600	5.0	0.28	50.0000	ND	95.5	26 - 141
Benzene	87.1800	5.0	0.37	100.000	ND	87.2	48 - 117
Bromobenzene	43.0500	5.0	0.44	50.0000	ND	86.1	40 - 117
Bromochloromethane	44.3900	5.0	0.99	50.0000	ND	88.8	48 - 117
Bromodichloromethane	47.2900	5.0	0.58	50.0000	ND	94.6	49 - 115
Bromoform	51.2400	5.0	0.37	50.0000	ND	102	42 - 127
Bromomethane	29.4100	5.0	4.7	50.0000	ND	58.8	19 - 157
Carbon disulfide	37.6800	5.0	3.2	50.0000	ND	75.4	34 - 138
Carbon tetrachloride	44.1900	5.0	0.65	50.0000	ND	88.4	43 - 130
Chlorobenzene	45.8500	5.0	0.29	50.0000	ND	91.7	41 - 122
Chloroethane	33.0300	5.0	4.0	50.0000	ND	66.1	32 - 145
Chloroform	44.4200	5.0	0.75	50.0000	ND	88.8	46 - 118
Chloromethane	40.1200	5.0	0.98	50.0000	ND	80.2	34 - 132
cis-1,2-Dichloroethene	43.2500	5.0	0.82	50.0000	ND	86.5	44 - 119
cis-1,3-Dichloropropene	55.8700	5.0	0.22	50.0000	ND	112	44 - 126
Di-isopropyl ether	46.2000	5.0	0.55	50.0000	ND	92.4	42 - 126
Dibromochloromethane	47.2900	5.0	0.20	50.0000	ND	94.6	46 - 119
Dibromomethane	48.8000	5.0	0.56	50.0000	ND	97.6	52 - 114
Dichlorodifluoromethane	37.9100	5.0	2.6	50.0000	ND	75.8	22 - 147
Ethyl Acetate	517.240	50	10	500.000	ND	103	9 - 140
Ethyl Ether	517.280	50	20	500.000	ND	103	45 - 131
Ethyl tert-butyl ether	61.4800	5.0	0.32	50.0000	ND	123	33 - 138
Ethylbenzene	88.2900	5.0	0.26	100.000	ND	88.3	38 - 131
Freon-113	38.4700	5.0	3.7	50.0000	ND	76.9	38 - 140
Hexachlorobutadiene	52.0800	5.0	0.40	50.0000	ND	104	4 - 141
Isopropylbenzene	46.0500	5.0	0.32	50.0000	ND	92.1	35 - 133
m,p-Xylene	93.5500	10	0.86	100.000	ND	93.6	38 - 130
Methylene chloride	39.9800	5.0	3.4	50.0000	ND	80.0	26 - 137
MTBE	57.2800	5.0	1.3	50.0000	ND	115	45 - 121
n-Butylbenzene	48.2900	5.0	0.42	50.0000	ND	96.6	18 - 144
n-Propylbenzene	43.1900	5.0	0.25	50.0000	ND	86.4	30 - 137
Naphthalene	57.8700	5.0	0.50	50.0000	ND	116	14 - 137
o-Xylene	97.1800	5.0	0.46	100.000	ND	97.2	41 - 129
sec-Butylbenzene	46.2900	5.0	0.36	50.0000	ND	92.6	24 - 140
Styrene	50.8800	5.0	0.38	50.0000	ND	102	41 - 125
tert-Amyl methyl ether	57.1200	5.0	0.43	50.0000	ND	114	31 - 133
tert-Butanol	325.170	100	7.4	250.000	ND	130	0 - 201
tert-Butylbenzene	46.1700	5.0	0.33	50.0000	ND	92.3	30 - 134
Tetrachloroethene	42.2600	5.0	0.31	50.0000	ND	84.5	37 - 130
Toluene	89.5600	5.0	0.47	100.000	ND	89.6	45 - 122
trans-1,2-Dichloroethene	41.4400	5.0	1.4	50.0000	ND	82.9	46 - 122
trans-1,3-Dichloropropene	53.1000	5.0	0.48	50.0000	ND	106	44 - 124



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Reported : 10/01/2019

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B910891 - MSVOA_S (continued)

Matrix Spike (B910891-MS1) - Continued

Source: 1903535-29

Prepared: 9/28/2019 Analyzed: 9/28/2019

Trichloroethene	44.0500	5.0	0.64	50.0000	ND	88.1	36 - 142			
Trichlorofluoromethane	37.8400	5.0	0.79	50.0000	ND	75.7	37 - 135			
Vinyl acetate	548.430	50	9.0	500.000	ND	110	0 - 136			
Vinyl chloride	39.3600	5.0	0.74	50.0000	ND	78.7	42 - 131			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>56.30</i>			<i>50.0000</i>		<i>113</i>	<i>60 - 145</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>52.20</i>			<i>50.0000</i>		<i>104</i>	<i>68 - 121</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>51.73</i>			<i>50.0000</i>		<i>103</i>	<i>65 - 137</i>			
<i>Surrogate: Toluene-d8</i>	<i>52.15</i>			<i>50.0000</i>		<i>104</i>	<i>82 - 119</i>			

Matrix Spike Dup (B910891-MSD1)

Source: 1903535-29

Prepared: 9/28/2019 Analyzed: 9/28/2019

1,1,1,2-Tetrachloroethane	47.5400	5.0	0.40	50.0000	ND	95.1	45 - 121	0.909	20	
1,1,1-Trichloroethane	44.4000	5.0	0.79	50.0000	ND	88.8	43 - 127	0.384	20	
1,1,2,2-Tetrachloroethane	46.8200	5.0	0.70	50.0000	ND	93.6	32 - 128	0.0427	20	
1,1,2-Trichloroethane	50.2600	5.0	0.57	50.0000	ND	101	45 - 121	0.911	20	
1,1-Dichloroethane	43.1700	5.0	0.63	50.0000	ND	86.3	46 - 119	1.01	20	
1,1-Dichloroethene	39.1700	5.0	2.9	50.0000	ND	78.3	40 - 130	0.560	20	
1,1-Dichloropropene	46.0100	5.0	0.26	50.0000	ND	92.0	45 - 130	1.27	20	
1,2,3-Trichloropropane	49.2400	5.0	0.72	50.0000	ND	98.5	42 - 124	1.07	20	
1,2,3-Trichlorobenzene	57.0300	5.0	0.57	50.0000	ND	114	4 - 135	1.32	20	
1,2,4-Trichlorobenzene	57.5300	5.0	0.61	50.0000	ND	115	8 - 141	0.416	20	
1,2,4-Trimethylbenzene	44.9000	5.0	1.0	50.0000	ND	89.8	30 - 136	0.693	20	
1,2-Dibromo-3-chloropropane	62.5700	10	1.2	50.0000	ND	125	38 - 132	0.384	20	
1,2-Dibromoethane	50.9000	5.0	0.28	50.0000	ND	102	45 - 121	0.196	20	
1,2-Dichlorobenzene	48.4800	5.0	0.45	50.0000	ND	97.0	30 - 125	0.247	20	
1,2-Dichloroethane	50.2700	5.0	0.88	50.0000	ND	101	51 - 115	0.0597	20	
1,2-Dichloropropane	45.2000	5.0	0.67	50.0000	ND	90.4	50 - 118	1.51	20	
1,3,5-Trimethylbenzene	44.5700	5.0	0.35	50.0000	ND	89.1	29 - 137	0.0449	20	
1,3-Dichlorobenzene	46.0800	5.0	0.41	50.0000	ND	92.2	30 - 124	0.457	20	
1,3-Dichloropropane	49.6500	5.0	0.49	50.0000	ND	99.3	49 - 116	1.34	20	
1,4-Dichlorobenzene	45.5200	5.0	0.39	50.0000	ND	91.0	31 - 124	1.83	20	
2,2-Dichloropropane	43.6200	5.0	0.61	50.0000	ND	87.2	41 - 134	1.95	20	
2-Chlorotoluene	43.0100	5.0	0.26	50.0000	ND	86.0	32 - 127	1.75	20	
4-Chlorotoluene	43.4300	5.0	0.20	50.0000	ND	86.9	34 - 124	1.08	20	
4-Isopropyltoluene	47.1800	5.0	0.28	50.0000	ND	94.4	26 - 141	1.22	20	
Benzene	87.7000	5.0	0.37	100.000	ND	87.7	48 - 117	0.595	20	
Bromobenzene	42.2500	5.0	0.44	50.0000	ND	84.5	40 - 117	1.88	20	
Bromochloromethane	44.3900	5.0	0.99	50.0000	ND	88.8	48 - 117	0.00	20	
Bromodichloromethane	47.1600	5.0	0.58	50.0000	ND	94.3	49 - 115	0.275	20	
Bromoform	51.4800	5.0	0.37	50.0000	ND	103	42 - 127	0.467	20	
Bromomethane	28.9300	5.0	4.7	50.0000	ND	57.9	19 - 157	1.65	20	
Carbon disulfide	36.2100	5.0	3.2	50.0000	ND	72.4	34 - 138	3.98	20	



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9I0891 - MSVOA_S (continued)

Matrix Spike Dup (B9I0891-MSD1) - Continued

Source: 1903535-29

Prepared: 9/28/2019 Analyzed: 9/28/2019

Carbon tetrachloride	43.7900	5.0	0.65	50.0000	ND	87.6	43 - 130	0.909	20	
Chlorobenzene	46.0200	5.0	0.29	50.0000	ND	92.0	41 - 122	0.370	20	
Chloroethane	32.2600	5.0	4.0	50.0000	ND	64.5	32 - 145	2.36	20	
Chloroform	44.5500	5.0	0.75	50.0000	ND	89.1	46 - 118	0.292	20	
Chloromethane	38.5900	5.0	0.98	50.0000	ND	77.2	34 - 132	3.89	20	
cis-1,2-Dichloroethene	43.6000	5.0	0.82	50.0000	ND	87.2	44 - 119	0.806	20	
cis-1,3-Dichloropropene	55.3700	5.0	0.22	50.0000	ND	111	44 - 126	0.899	20	
Di-isopropyl ether	46.1100	5.0	0.55	50.0000	ND	92.2	42 - 126	0.195	20	
Dibromochloromethane	48.2400	5.0	0.20	50.0000	ND	96.5	46 - 119	1.99	20	
Dibromomethane	47.6400	5.0	0.56	50.0000	ND	95.3	52 - 114	2.41	20	
Dichlorodifluoromethane	36.2500	5.0	2.6	50.0000	ND	72.5	22 - 147	4.48	20	
Ethyl Acetate	494.300	50	10	500.000	ND	98.9	9 - 140	4.54	20	
Ethyl Ether	502.250	50	20	500.000	ND	100	45 - 131	2.95	20	
Ethyl tert-butyl ether	60.6800	5.0	0.32	50.0000	ND	121	33 - 138	1.31	20	
Ethylbenzene	88.6100	5.0	0.26	100.000	ND	88.6	38 - 131	0.362	20	
Freon-113	37.7400	5.0	3.7	50.0000	ND	75.5	38 - 140	1.92	20	
Hexachlorobutadiene	51.5000	5.0	0.40	50.0000	ND	103	4 - 141	1.12	20	
Isopropylbenzene	45.6600	5.0	0.32	50.0000	ND	91.3	35 - 133	0.851	20	
m,p-Xylene	92.7600	10	0.86	100.000	ND	92.8	38 - 130	0.848	20	
Methylene chloride	39.6200	5.0	3.4	50.0000	ND	79.2	26 - 137	0.905	20	
MTBE	55.8800	5.0	1.3	50.0000	ND	112	45 - 121	2.47	20	
n-Butylbenzene	48.5900	5.0	0.42	50.0000	ND	97.2	18 - 144	0.619	20	
n-Propylbenzene	42.8900	5.0	0.25	50.0000	ND	85.8	30 - 137	0.697	20	
Naphthalene	57.7900	5.0	0.50	50.0000	ND	116	14 - 137	0.138	20	
o-Xylene	95.4700	5.0	0.46	100.000	ND	95.5	41 - 129	1.78	20	
sec-Butylbenzene	46.0900	5.0	0.36	50.0000	ND	92.2	24 - 140	0.433	20	
Styrene	51.2200	5.0	0.38	50.0000	ND	102	41 - 125	0.666	20	
tert-Amyl methyl ether	56.7600	5.0	0.43	50.0000	ND	114	31 - 133	0.632	20	
tert-Butanol	327.530	100	7.4	250.000	ND	131	0 - 201	0.723	20	
tert-Butylbenzene	45.7700	5.0	0.33	50.0000	ND	91.5	30 - 134	0.870	20	
Tetrachloroethene	42.6800	5.0	0.31	50.0000	ND	85.4	37 - 130	0.989	20	
Toluene	89.2900	5.0	0.47	100.000	ND	89.3	45 - 122	0.302	20	
trans-1,2-Dichloroethene	41.4400	5.0	1.4	50.0000	ND	82.9	46 - 122	0.00	20	
trans-1,3-Dichloropropene	53.2200	5.0	0.48	50.0000	ND	106	44 - 124	0.226	20	
Trichloroethene	43.9500	5.0	0.64	50.0000	ND	87.9	36 - 142	0.227	20	
Trichlorofluoromethane	36.9700	5.0	0.79	50.0000	ND	73.9	37 - 135	2.33	20	
Vinyl acetate	546.250	50	9.0	500.000	ND	109	0 - 136	0.398	20	
Vinyl chloride	38.0200	5.0	0.74	50.0000	ND	76.0	42 - 131	3.46	20	

Surrogate: 1,2-Dichloroethane-d4	55.54			50.0000		111	60 - 145			
Surrogate: 4-Bromofluorobenzene	50.44			50.0000		101	68 - 121			
Surrogate: Dibromofluoromethane	51.31			50.0000		103	65 - 137			



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367
 Report To : Brian Viggiano
 Reported : 10/01/2019

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9I0891 - MSVOA_S (continued)

Matrix Spike Dup (B9I0891-MSD1) - Continued

Source: 1903535-29

Prepared: 9/28/2019 Analyzed: 9/28/2019

Surrogate: Toluene-d8

51.44

50.0000

103

82 - 119



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/01/2019

Notes and Definitions

R	RPD value outside acceptance criteria. Calculation is based on raw values.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L3	Laboratory control sample outside in-house established limits but within method criteria.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.



CHAIN OF CUSTODY

Laboratory Project Number: 1903535

Page 1 of 4

Client Name/Address: Stantec Consulting Services Inc. 735 E. Carnegie Drive, Suite 280 San Bernardino, CA 92408 909-335-6116		Project Manager: Brian Viggiano		Turn Around Time: Normal <input checked="" type="checkbox"/> X 72 Hour: 48 Hour: 24 Hour: Same Day: Other:	
Laboratory: ATL 3275 Walnut Ave. Signal Hill, CA 800-499-4388		E-Mail Address: brian.viggiano@stantec.com		Sample Temp °C:	
Sampler Name: Mitchell Bohn		Stantec Project Number: 185804367		Special Instructions	
Project: CTR - Carson		Filtered Sample			
Sample Description/Identification	Sample Matrix	Preservative (see below)	# of Cont.	Sample Date	Sample Time
SB-13-1	Soil	1	1	9/23/19	0911
SB-13-3					0914
SB-13-5					0927
SB-13-10					0929
SB-13-15					0935
SB-13-20					0938
SB-13-25					0942
SB-13-30					0947
SB-14-1					1034
SB-14-3					1036
SB-14-5					1041
SB-14-10					1043
SB-14-15					1046
SB-14-20					1050
SB-14-35					1101

Sample Preservative: 1=ICE - 2=HCl - 3=H₂SO₄ - 4=HNO₃ - 5=NaOH - 6=Other:

Special Instructions:

Relinquished By:	Date: 9/24/19	Time: 1105	Received By + Company Name:	Date: 9/24/19	Time: 11:05 am
Relinquished By + Company Name:	Date: 9/24/19	Time: 11:05 am	Received By + Company Name:	Date: 9/24/19	Time: 1:30 P
Relinquished By + Company Name:	Date: 9/24/19	Time: 16:35	Received By + Company Name:	Date: 9/24/19	Time: 1635



CHAIN OF CUSTODY

Laboratory Project Number: 1903535

Page 2 of 4

Client Name/Address: Stantec Consulting Services Inc. 735 E. Carnegie Drive, Suite 280 San Bernardino, CA 92408 909-335-6116		Project Manager: Brian Viggiano E-Mail Address: brian.viggiano@stantec.com Sampler Name: Mitchell Bohm		Analysis Required		Turn Around Time: Normal <input checked="" type="checkbox"/> 72 Hour: 48 Hour: 24 Hour: Same Day: Other:	
Laboratory: ATL 3275 Walnut Ave. Signal Hill, CA 800-499-4388		Stantec Project Number: 185804367		82608		Sample Temp °C:	
Project: CTR - XXXXXX CAWSON		Filtered Sample		8015B (GRO - DRO - ORO)		Special Instructions	
Sample Description/Identification	Sample Matrix	Preservative (see below)	# of Cont.	Sample Date	Sample Time		
SB-14-30	Soil	1	1	9/22/19	1118	X	
SB-15-1					1228	X	
SB-15-3					1232	X	
SB-15-5					1241	X	
SB-15-10					1243	X	
SB-15-15					1246	X	
SB-15-20					1251	X	
SB-15-25					1258	X	
SB-15-30					1300	X	
SB-16-1					1328	X	
SB-16-3					1343	X	
SB-16-5					1350	X	
SB-16-10					1353	X	
SB-16-15					1355	X	
SB-16-20		✓	✓		1358	X	

Sample Preservative: 1=ICE - 2=HCl - 3=H₂SO₄ - 4=HNO₃ - 5=NaOH - 6=Other:

Special Instructions:

Relinquished By:	Date: 9/24/19	Time: 1105	Received By + Company Name:	Date: 9/24/19	Time: 1105
Relinquished By + Company Name:	Date: 9/24/19	Time: 1305	Received By + Company Name:	Date: 9/24/19	Time: 1305
Relinquished By + Company Name:	Date: 9/29/19	Time: 1635	Received By + Company Name:	Date: 9/29/19	Time: 1635



CHAIN OF CUSTODY

Laboratory Project Number: 1903535

Page 3 of 4

Client Name/Address: Stantec Consulting Services Inc. 735 E. Carnegie Drive, Suite 280 San Bernardino, CA 92408 909-335-6116		Project Manager: Brian Viggiano		Turn Around Time: Normal <input checked="" type="checkbox"/> 72 Hour: 48 Hour: 24 Hour: Same Day: Other:	
Laboratory: ATL 3275 Walnut Ave. Signal Hill, CA 800-499-4388		E-Mail Address: brian.viggiano@stantec.com		Sample Temp °C:	
Sampler Name: Mitchell Bohn		Stantec Project Number: 185804367		Special Instructions	
Project: CTR - [REDACTED] - CALVESON		8015B (GRO - DRO - ORO)		Filtered Sample	
Sample Description/Identification	Sample Matrix	Preservative (see below)	# of Cont.	Sample Date	Sample Time
SB-16-25	Soil	1	1	9/23/19	1401
SB-16-30	Soil	1	1	9/23/19	1403
SB-17-1		1	1	9/24/19	0703
SB-17-3		1	1		0708
SB-17-5		1	1		0721
SB-17-10		1	1		0724
SB-17-15		1	1		0727
SB-17-20		1	1		0729
SB-17-25		1	1		0735
SB-17-30		1	1		0738
SB-18-1		1	1		0809
SB-18-3		1	1		0812
SB-18-5		1	1		0818
SB-18-10		1	1		0820
SB-18-15		1	1		0822

Sample Preservative: 1=ICE - 2=HCl - 3=H₂SO₄ - 4=HNO₃ - 5=NaOH - 6=Other: _____

Special Instructions: _____

Relinquished By:	Date: 9/23/19	Time: 1109	Received By + Company Name:	Date: 9/24/19	Time: 11:05am
Relinquished By:	Date: 9/24/19	Time: 1505	Received By + Company Name:	Date: 9/24/19	Time: 1305
Relinquished By:	Date: 9/24/19	Time: 1639	Received By + Company Name:	Date: 9/24/19	Time: 1639



CHAIN OF CUSTODY

Laboratory Project Number: 190353

Page 4 of 4

Client Name/Address: Stantec Consulting Services Inc. 735 E. Carnegie Drive, Suite 280 San Bernardino, CA 92408 909-335-6116		Project Manager: Brian Viggiano		Analysis Required		Turn Around Time: Normal <input checked="" type="checkbox"/> X 72 Hour: _____ 48 Hour: _____ 24 Hour: _____ Same Day: _____ Other: _____ Sample Temp °C: _____	
Laboratory: ATL 3275 Walnut Ave. Signal Hill, CA 800-499-4388		E-Mail Address: brian.viggiano@stantec.com		8015B (GRO - DRO - ORO)			
Sampler Name: Mitchell Bohn		Stantec Project Number: 185804367		8260B			
Project: CTR - [REDACTED] - CURSON		Filtered Sample					
Sample Description/Identification	Sample Matrix	Preservative (see below)	# of Cont.	Sample Date	Sample Time		
SB-18-20	Soil	1	1	9/24/19	0825	X	
SB-18-25	Soil	1	1	9/24/19	0828	X	
SB-18-30	Soil	1	1	9/24/19	0831	X	

Sample Preservative: 1=ICE - 2=HCl - 3=H₂SO₄ - 4=HNO₃ - 5=NaOH - 6=Other:

Special Instructions:

Relinquished By:	Date: 9/24/19	Time: 1105	Received By + Company Name:	Date: 9/24/19	Time: 1105am
Relinquished By:	Date: 9/24/19	Time: 1305	Received By + Company Name:	Date: 9/24/19	Time: 1305
Relinquished By:	Date: 9/24/19	Time: 1634	Received By + Company Name:	Date: 9/24/19	Time: 1634



October 02, 2019

Brian Viggiano
Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408
Tel: (909) 255-8204
Fax:(909) 335-6120

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 1903549
Client Reference : CTR - Carson, 185804367

Enclosed are the results for sample(s) received on September 26, 2019 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

A handwritten signature in black ink, appearing to read "Edgar Caballero", with a small initial "E" written below the first letter.

Edgar Caballero
President & Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

*3275 Walnut Avenue, Signal Hill, CA 90755 • Tel: 562-989-4045 • Fax: 562-989-4040
www.atlglobal.com*



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/02/2019

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW1-5	1903549-01	Soil	9/26/19 7:46	9/26/19 13:10
MW1-10	1903549-02	Soil	9/26/19 7:51	9/26/19 13:10
MW1-15	1903549-03	Soil	9/26/19 7:56	9/26/19 13:10
MW1-20	1903549-04	Soil	9/26/19 8:04	9/26/19 13:10
MW1-25	1903549-05	Soil	9/26/19 8:12	9/26/19 13:10
MW1-30	1903549-06	Soil	9/26/19 8:18	9/26/19 13:10
MW1-35	1903549-07	Soil	9/26/19 8:24	9/26/19 13:10
MW1-40	1903549-08	Soil	9/26/19 8:34	9/26/19 13:10
MW-01	1903549-09	Water	9/26/19 11:15	9/26/19 13:10



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/02/2019

Client Sample ID: MW1-5

Lab ID: 1903549-01

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
1,1,1-Trichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
1,1,2-Trichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
1,1-Dichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
1,1-Dichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
1,1-Dichloropropene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
1,2,3-Trichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
1,2,3-Trichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
1,2,4-Trichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
1,2,4-Trimethylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
1,2-Dibromo-3-chloropropane	ND	10	1	B9J0033	10/02/2019	10/02/19 12:00	
1,2-Dibromoethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
1,2-Dichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
1,2-Dichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
1,2-Dichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
1,3,5-Trimethylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
1,3-Dichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
1,3-Dichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
1,4-Dichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
2,2-Dichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
2-Chlorotoluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
4-Chlorotoluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
4-Isopropyltoluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
Benzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
Bromobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
Bromochloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
Bromodichloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
Bromoform	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
Bromomethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
Carbon disulfide	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
Carbon tetrachloride	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
Chlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
Chloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
Chloroform	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
Chloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
cis-1,2-Dichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/02/2019

Client Sample ID: MW1-5

Lab ID: 1903549-01

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
Di-isopropyl ether	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
Dibromochloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
Dibromomethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
Dichlorodifluoromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
Ethyl Acetate	ND	50	1	B9J0033	10/02/2019	10/02/19 12:00	
Ethyl Ether	ND	50	1	B9J0033	10/02/2019	10/02/19 12:00	
Ethyl tert-butyl ether	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
Ethylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
Freon-113	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
Hexachlorobutadiene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
Isopropylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
m,p-Xylene	ND	10	1	B9J0033	10/02/2019	10/02/19 12:00	
Methylene chloride	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
MTBE	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
n-Butylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
n-Propylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
Naphthalene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
o-Xylene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
sec-Butylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
Styrene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
tert-Amyl methyl ether	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
tert-Butanol	ND	100	1	B9J0033	10/02/2019	10/02/19 12:00	
tert-Butylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
Tetrachloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
Toluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
trans-1,2-Dichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
trans-1,3-Dichloropropene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
Trichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
Trichlorofluoromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	
Vinyl acetate	ND	50	1	B9J0033	10/02/2019	10/02/19 12:00	
Vinyl chloride	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:00	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>121 %</i>	<i>60 - 145</i>		B9J0033	10/02/2019	10/02/19 12:00	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>97.3 %</i>	<i>68 - 121</i>		B9J0033	10/02/2019	10/02/19 12:00	
<i>Surrogate: Dibromofluoromethane</i>	<i>126 %</i>	<i>65 - 137</i>		B9J0033	10/02/2019	10/02/19 12:00	
<i>Surrogate: Toluene-d8</i>	<i>84.8 %</i>	<i>82 - 119</i>		B9J0033	10/02/2019	10/02/19 12:00	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/02/2019

Client Sample ID: MW1-10

Lab ID: 1903549-02

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
1,1,1-Trichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
1,1,2-Trichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
1,1-Dichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
1,1-Dichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
1,1-Dichloropropene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
1,2,3-Trichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
1,2,3-Trichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
1,2,4-Trichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
1,2,4-Trimethylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
1,2-Dibromo-3-chloropropane	ND	10	1	B9J0033	10/02/2019	10/02/19 12:18	
1,2-Dibromoethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
1,2-Dichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
1,2-Dichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
1,2-Dichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
1,3,5-Trimethylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
1,3-Dichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
1,3-Dichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
1,4-Dichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
2,2-Dichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
2-Chlorotoluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
4-Chlorotoluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
4-Isopropyltoluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
Benzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
Bromobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
Bromochloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
Bromodichloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
Bromoform	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
Bromomethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
Carbon disulfide	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
Carbon tetrachloride	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
Chlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
Chloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
Chloroform	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
Chloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
cis-1,2-Dichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/02/2019

Client Sample ID: MW1-10

Lab ID: 1903549-02

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
Di-isopropyl ether	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
Dibromochloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
Dibromomethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
Dichlorodifluoromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
Ethyl Acetate	ND	50	1	B9J0033	10/02/2019	10/02/19 12:18	
Ethyl Ether	ND	50	1	B9J0033	10/02/2019	10/02/19 12:18	
Ethyl tert-butyl ether	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
Ethylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
Freon-113	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
Hexachlorobutadiene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
Isopropylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
m,p-Xylene	ND	10	1	B9J0033	10/02/2019	10/02/19 12:18	
Methylene chloride	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
MTBE	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
n-Butylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
n-Propylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
Naphthalene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
o-Xylene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
sec-Butylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
Styrene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
tert-Amyl methyl ether	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
tert-Butanol	ND	100	1	B9J0033	10/02/2019	10/02/19 12:18	
tert-Butylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
Tetrachloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
Toluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
trans-1,2-Dichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
trans-1,3-Dichloropropene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
Trichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
Trichlorofluoromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	
Vinyl acetate	ND	50	1	B9J0033	10/02/2019	10/02/19 12:18	
Vinyl chloride	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:18	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>121 %</i>	<i>60 - 145</i>		B9J0033	10/02/2019	10/02/19 12:18	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>98.8 %</i>	<i>68 - 121</i>		B9J0033	10/02/2019	10/02/19 12:18	
<i>Surrogate: Dibromofluoromethane</i>	<i>122 %</i>	<i>65 - 137</i>		B9J0033	10/02/2019	10/02/19 12:18	
<i>Surrogate: Toluene-d8</i>	<i>96.0 %</i>	<i>82 - 119</i>		B9J0033	10/02/2019	10/02/19 12:18	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino , CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/02/2019

Client Sample ID: MW1-15

Lab ID: 1903549-03

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
1,1,1-Trichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
1,1,2-Trichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
1,1-Dichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
1,1-Dichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
1,1-Dichloropropene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
1,2,3-Trichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
1,2,3-Trichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
1,2,4-Trichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
1,2,4-Trimethylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
1,2-Dibromo-3-chloropropane	ND	10	1	B9J0033	10/02/2019	10/02/19 12:37	
1,2-Dibromoethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
1,2-Dichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
1,2-Dichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
1,2-Dichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
1,3,5-Trimethylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
1,3-Dichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
1,3-Dichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
1,4-Dichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
2,2-Dichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
2-Chlorotoluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
4-Chlorotoluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
4-Isopropyltoluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
Benzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
Bromobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
Bromochloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
Bromodichloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
Bromoform	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
Bromomethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
Carbon disulfide	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
Carbon tetrachloride	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
Chlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
Chloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
Chloroform	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
Chloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
cis-1,2-Dichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/02/2019

Client Sample ID: MW1-15

Lab ID: 1903549-03

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
Di-isopropyl ether	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
Dibromochloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
Dibromomethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
Dichlorodifluoromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
Ethyl Acetate	ND	50	1	B9J0033	10/02/2019	10/02/19 12:37	
Ethyl Ether	ND	50	1	B9J0033	10/02/2019	10/02/19 12:37	
Ethyl tert-butyl ether	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
Ethylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
Freon-113	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
Hexachlorobutadiene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
Isopropylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
m,p-Xylene	ND	10	1	B9J0033	10/02/2019	10/02/19 12:37	
Methylene chloride	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
MTBE	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
n-Butylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
n-Propylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
Naphthalene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
o-Xylene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
sec-Butylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
Styrene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
tert-Amyl methyl ether	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
tert-Butanol	ND	100	1	B9J0033	10/02/2019	10/02/19 12:37	
tert-Butylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
Tetrachloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
Toluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
trans-1,2-Dichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
trans-1,3-Dichloropropene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
Trichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
Trichlorofluoromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	
Vinyl acetate	ND	50	1	B9J0033	10/02/2019	10/02/19 12:37	
Vinyl chloride	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:37	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>126 %</i>	<i>60 - 145</i>		B9J0033	10/02/2019	10/02/19 12:37	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>86.3 %</i>	<i>68 - 121</i>		B9J0033	10/02/2019	10/02/19 12:37	
<i>Surrogate: Dibromofluoromethane</i>	<i>122 %</i>	<i>65 - 137</i>		B9J0033	10/02/2019	10/02/19 12:37	
<i>Surrogate: Toluene-d8</i>	<i>91.9 %</i>	<i>82 - 119</i>		B9J0033	10/02/2019	10/02/19 12:37	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino , CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/02/2019

Client Sample ID: MW1-20

Lab ID: 1903549-04

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
1,1,1-Trichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
1,1,2-Trichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
1,1-Dichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
1,1-Dichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
1,1-Dichloropropene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
1,2,3-Trichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
1,2,3-Trichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
1,2,4-Trichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
1,2,4-Trimethylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
1,2-Dibromo-3-chloropropane	ND	10	1	B9J0033	10/02/2019	10/02/19 12:56	
1,2-Dibromoethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
1,2-Dichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
1,2-Dichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
1,2-Dichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
1,3,5-Trimethylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
1,3-Dichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
1,3-Dichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
1,4-Dichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
2,2-Dichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
2-Chlorotoluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
4-Chlorotoluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
4-Isopropyltoluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
Benzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
Bromobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
Bromochloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
Bromodichloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
Bromoform	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
Bromomethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
Carbon disulfide	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
Carbon tetrachloride	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
Chlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
Chloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
Chloroform	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
Chloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
cis-1,2-Dichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/02/2019

Client Sample ID: MW1-20

Lab ID: 1903549-04

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
Di-isopropyl ether	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
Dibromochloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
Dibromomethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
Dichlorodifluoromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
Ethyl Acetate	ND	50	1	B9J0033	10/02/2019	10/02/19 12:56	
Ethyl Ether	ND	50	1	B9J0033	10/02/2019	10/02/19 12:56	
Ethyl tert-butyl ether	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
Ethylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
Freon-113	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
Hexachlorobutadiene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
Isopropylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
m,p-Xylene	ND	10	1	B9J0033	10/02/2019	10/02/19 12:56	
Methylene chloride	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
MTBE	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
n-Butylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
n-Propylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
Naphthalene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
o-Xylene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
sec-Butylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
Styrene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
tert-Amyl methyl ether	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
tert-Butanol	ND	100	1	B9J0033	10/02/2019	10/02/19 12:56	
tert-Butylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
Tetrachloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
Toluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
trans-1,2-Dichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
trans-1,3-Dichloropropene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
Trichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
Trichlorofluoromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	
Vinyl acetate	ND	50	1	B9J0033	10/02/2019	10/02/19 12:56	
Vinyl chloride	ND	5.0	1	B9J0033	10/02/2019	10/02/19 12:56	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>127 %</i>	<i>60 - 145</i>		B9J0033	10/02/2019	10/02/19 12:56	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>129 %</i>	<i>68 - 121</i>		B9J0033	10/02/2019	10/02/19 12:56	S1
<i>Surrogate: Dibromofluoromethane</i>	<i>141 %</i>	<i>65 - 137</i>		B9J0033	10/02/2019	10/02/19 12:56	S1
<i>Surrogate: Toluene-d8</i>	<i>105 %</i>	<i>82 - 119</i>		B9J0033	10/02/2019	10/02/19 12:56	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino , CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/02/2019

Client Sample ID: MW1-25

Lab ID: 1903549-05

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
1,1,1-Trichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
1,1,2-Trichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
1,1-Dichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
1,1-Dichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
1,1-Dichloropropene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
1,2,3-Trichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
1,2,3-Trichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
1,2,4-Trichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
1,2,4-Trimethylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
1,2-Dibromo-3-chloropropane	ND	10	1	B9J0033	10/02/2019	10/02/19 13:15	
1,2-Dibromoethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
1,2-Dichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
1,2-Dichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
1,2-Dichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
1,3,5-Trimethylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
1,3-Dichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
1,3-Dichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
1,4-Dichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
2,2-Dichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
2-Chlorotoluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
4-Chlorotoluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
4-Isopropyltoluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
Benzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
Bromobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
Bromochloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
Bromodichloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
Bromoform	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
Bromomethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
Carbon disulfide	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
Carbon tetrachloride	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
Chlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
Chloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
Chloroform	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
Chloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
cis-1,2-Dichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/02/2019

Client Sample ID: MW1-25

Lab ID: 1903549-05

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
Di-isopropyl ether	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
Dibromochloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
Dibromomethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
Dichlorodifluoromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
Ethyl Acetate	ND	50	1	B9J0033	10/02/2019	10/02/19 13:15	
Ethyl Ether	ND	50	1	B9J0033	10/02/2019	10/02/19 13:15	
Ethyl tert-butyl ether	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
Ethylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
Freon-113	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
Hexachlorobutadiene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
Isopropylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
m,p-Xylene	ND	10	1	B9J0033	10/02/2019	10/02/19 13:15	
Methylene chloride	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
MTBE	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
n-Butylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
n-Propylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
Naphthalene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
o-Xylene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
sec-Butylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
Styrene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
tert-Amyl methyl ether	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
tert-Butanol	ND	100	1	B9J0033	10/02/2019	10/02/19 13:15	
tert-Butylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
Tetrachloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
Toluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
trans-1,2-Dichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
trans-1,3-Dichloropropene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
Trichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
Trichlorofluoromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	
Vinyl acetate	ND	50	1	B9J0033	10/02/2019	10/02/19 13:15	
Vinyl chloride	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:15	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>125 %</i>	<i>60 - 145</i>		B9J0033	10/02/2019	10/02/19 13:15	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>81.3 %</i>	<i>68 - 121</i>		B9J0033	10/02/2019	10/02/19 13:15	
<i>Surrogate: Dibromofluoromethane</i>	<i>132 %</i>	<i>65 - 137</i>		B9J0033	10/02/2019	10/02/19 13:15	
<i>Surrogate: Toluene-d8</i>	<i>122 %</i>	<i>82 - 119</i>		B9J0033	10/02/2019	10/02/19 13:15	S1



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/02/2019

Client Sample ID: MW1-30

Lab ID: 1903549-06

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
1,1,1-Trichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
1,1,2-Trichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
1,1-Dichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
1,1-Dichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
1,1-Dichloropropene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
1,2,3-Trichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
1,2,3-Trichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
1,2,4-Trichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
1,2,4-Trimethylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
1,2-Dibromo-3-chloropropane	ND	10	1	B9J0033	10/02/2019	10/02/19 13:34	
1,2-Dibromoethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
1,2-Dichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
1,2-Dichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
1,2-Dichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
1,3,5-Trimethylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
1,3-Dichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
1,3-Dichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
1,4-Dichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
2,2-Dichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
2-Chlorotoluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
4-Chlorotoluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
4-Isopropyltoluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
Benzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
Bromobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
Bromochloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
Bromodichloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
Bromoform	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
Bromomethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
Carbon disulfide	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
Carbon tetrachloride	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
Chlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
Chloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
Chloroform	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
Chloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
cis-1,2-Dichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/02/2019

Client Sample ID: MW1-30

Lab ID: 1903549-06

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
Di-isopropyl ether	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
Dibromochloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
Dibromomethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
Dichlorodifluoromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
Ethyl Acetate	ND	50	1	B9J0033	10/02/2019	10/02/19 13:34	
Ethyl Ether	ND	50	1	B9J0033	10/02/2019	10/02/19 13:34	
Ethyl tert-butyl ether	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
Ethylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
Freon-113	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
Hexachlorobutadiene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
Isopropylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
m,p-Xylene	ND	10	1	B9J0033	10/02/2019	10/02/19 13:34	
Methylene chloride	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
MTBE	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
n-Butylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
n-Propylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
Naphthalene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
o-Xylene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
sec-Butylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
Styrene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
tert-Amyl methyl ether	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
tert-Butanol	ND	100	1	B9J0033	10/02/2019	10/02/19 13:34	
tert-Butylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
Tetrachloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
Toluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
trans-1,2-Dichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
trans-1,3-Dichloropropene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
Trichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
Trichlorofluoromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	
Vinyl acetate	ND	50	1	B9J0033	10/02/2019	10/02/19 13:34	
Vinyl chloride	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:34	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>126 %</i>	<i>60 - 145</i>		B9J0033	10/02/2019	10/02/19 13:34	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>91.6 %</i>	<i>68 - 121</i>		B9J0033	10/02/2019	10/02/19 13:34	
<i>Surrogate: Dibromofluoromethane</i>	<i>131 %</i>	<i>65 - 137</i>		B9J0033	10/02/2019	10/02/19 13:34	
<i>Surrogate: Toluene-d8</i>	<i>93.2 %</i>	<i>82 - 119</i>		B9J0033	10/02/2019	10/02/19 13:34	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/02/2019

Client Sample ID: MW1-35

Lab ID: 1903549-07

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
1,1,1-Trichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
1,1,2-Trichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
1,1-Dichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
1,1-Dichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
1,1-Dichloropropene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
1,2,3-Trichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
1,2,3-Trichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
1,2,4-Trichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
1,2,4-Trimethylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
1,2-Dibromo-3-chloropropane	ND	10	1	B9J0033	10/02/2019	10/02/19 13:52	
1,2-Dibromoethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
1,2-Dichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
1,2-Dichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
1,2-Dichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
1,3,5-Trimethylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
1,3-Dichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
1,3-Dichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
1,4-Dichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
2,2-Dichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
2-Chlorotoluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
4-Chlorotoluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
4-Isopropyltoluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
Benzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
Bromobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
Bromochloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
Bromodichloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
Bromoform	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
Bromomethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
Carbon disulfide	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
Carbon tetrachloride	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
Chlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
Chloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
Chloroform	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
Chloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
cis-1,2-Dichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/02/2019

Client Sample ID: MW1-35

Lab ID: 1903549-07

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
Di-isopropyl ether	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
Dibromochloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
Dibromomethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
Dichlorodifluoromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
Ethyl Acetate	ND	50	1	B9J0033	10/02/2019	10/02/19 13:52	
Ethyl Ether	ND	50	1	B9J0033	10/02/2019	10/02/19 13:52	
Ethyl tert-butyl ether	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
Ethylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
Freon-113	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
Hexachlorobutadiene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
Isopropylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
m,p-Xylene	ND	10	1	B9J0033	10/02/2019	10/02/19 13:52	
Methylene chloride	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
MTBE	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
n-Butylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
n-Propylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
Naphthalene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
o-Xylene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
sec-Butylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
Styrene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
tert-Amyl methyl ether	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
tert-Butanol	ND	100	1	B9J0033	10/02/2019	10/02/19 13:52	
tert-Butylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
Tetrachloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
Toluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
trans-1,2-Dichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
trans-1,3-Dichloropropene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
Trichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
Trichlorofluoromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	
Vinyl acetate	ND	50	1	B9J0033	10/02/2019	10/02/19 13:52	
Vinyl chloride	ND	5.0	1	B9J0033	10/02/2019	10/02/19 13:52	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>130 %</i>	<i>60 - 145</i>		B9J0033	10/02/2019	10/02/19 13:52	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>84.2 %</i>	<i>68 - 121</i>		B9J0033	10/02/2019	10/02/19 13:52	
<i>Surrogate: Dibromofluoromethane</i>	<i>119 %</i>	<i>65 - 137</i>		B9J0033	10/02/2019	10/02/19 13:52	
<i>Surrogate: Toluene-d8</i>	<i>102 %</i>	<i>82 - 119</i>		B9J0033	10/02/2019	10/02/19 13:52	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino , CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/02/2019

Client Sample ID: MW1-40

Lab ID: 1903549-08

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
1,1,1-Trichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
1,1,2-Trichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
1,1-Dichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
1,1-Dichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
1,1-Dichloropropene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
1,2,3-Trichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
1,2,3-Trichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
1,2,4-Trichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
1,2,4-Trimethylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
1,2-Dibromo-3-chloropropane	ND	10	1	B9J0033	10/02/2019	10/02/19 14:11	
1,2-Dibromoethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
1,2-Dichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
1,2-Dichloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
1,2-Dichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
1,3,5-Trimethylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
1,3-Dichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
1,3-Dichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
1,4-Dichlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
2,2-Dichloropropane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
2-Chlorotoluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
4-Chlorotoluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
4-Isopropyltoluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
Benzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
Bromobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
Bromochloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
Bromodichloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
Bromoform	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
Bromomethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
Carbon disulfide	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
Carbon tetrachloride	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
Chlorobenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
Chloroethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
Chloroform	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
Chloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
cis-1,2-Dichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/02/2019

Client Sample ID: MW1-40

Lab ID: 1903549-08

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
Di-isopropyl ether	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
Dibromochloromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
Dibromomethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
Dichlorodifluoromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
Ethyl Acetate	ND	50	1	B9J0033	10/02/2019	10/02/19 14:11	
Ethyl Ether	ND	50	1	B9J0033	10/02/2019	10/02/19 14:11	
Ethyl tert-butyl ether	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
Ethylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
Freon-113	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
Hexachlorobutadiene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
Isopropylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
m,p-Xylene	ND	10	1	B9J0033	10/02/2019	10/02/19 14:11	
Methylene chloride	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
MTBE	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
n-Butylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
n-Propylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
Naphthalene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
o-Xylene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
sec-Butylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
Styrene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
tert-Amyl methyl ether	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
tert-Butanol	ND	100	1	B9J0033	10/02/2019	10/02/19 14:11	
tert-Butylbenzene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
Tetrachloroethene	9.7	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
Toluene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
trans-1,2-Dichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
trans-1,3-Dichloropropene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
Trichloroethene	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
Trichlorofluoromethane	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	
Vinyl acetate	ND	50	1	B9J0033	10/02/2019	10/02/19 14:11	
Vinyl chloride	ND	5.0	1	B9J0033	10/02/2019	10/02/19 14:11	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>129 %</i>	<i>60 - 145</i>		B9J0033	10/02/2019	10/02/19 14:11	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>94.1 %</i>	<i>68 - 121</i>		B9J0033	10/02/2019	10/02/19 14:11	
<i>Surrogate: Dibromofluoromethane</i>	<i>141 %</i>	<i>65 - 137</i>		B9J0033	10/02/2019	10/02/19 14:11	S1
<i>Surrogate: Toluene-d8</i>	<i>98.9 %</i>	<i>82 - 119</i>		B9J0033	10/02/2019	10/02/19 14:11	



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/02/2019

Client Sample ID: MW-01

Lab ID: 1903549-09

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
1,1,1-Trichloroethane	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
1,1,2-Trichloroethane	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
1,1-Dichloroethane	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
1,1-Dichloroethene	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
1,1-Dichloropropene	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
1,2,3-Trichloropropane	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
1,2,3-Trichlorobenzene	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
1,2,4-Trichlorobenzene	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
1,2,4-Trimethylbenzene	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
1,2-Dibromo-3-chloropropane	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
1,2-Dibromoethane	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
1,2-Dichlorobenzene	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
1,2-Dichloroethane	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
1,2-Dichloropropane	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
1,3,5-Trimethylbenzene	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
1,3-Dichlorobenzene	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
1,3-Dichloropropane	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
1,4-Dichlorobenzene	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
2,2-Dichloropropane	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
2-Chlorotoluene	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
4-Chlorotoluene	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
4-Isopropyltoluene	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
Benzene	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
Bromobenzene	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
Bromochloromethane	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
Bromodichloromethane	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
Bromoform	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
Bromomethane	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
Carbon disulfide	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
Carbon tetrachloride	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
Chlorobenzene	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
Chloroethane	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
Chloroform	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
Chloromethane	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
cis-1,2-Dichloroethene	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/02/2019

Client Sample ID: MW-01

Lab ID: 1903549-09

Volatile Organic Compounds by EPA 8260B

Analyst: JBL

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
Di-isopropyl ether	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
Dibromochloromethane	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
Dibromomethane	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
Dichlorodifluoromethane	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
Ethyl Acetate	ND	50	1	B9I0913	09/30/2019	09/30/19 17:13	
Ethyl Ether	ND	50	1	B9I0913	09/30/2019	09/30/19 17:13	
Ethyl tert-butyl ether	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
Ethylbenzene	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
Freon-113	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
Hexachlorobutadiene	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
Isopropylbenzene	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
m,p-Xylene	ND	10	1	B9I0913	09/30/2019	09/30/19 17:13	
Methylene chloride	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
MTBE	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
n-Butylbenzene	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
n-Propylbenzene	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
Naphthalene	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
o-Xylene	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
sec-Butylbenzene	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
Styrene	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
tert-Amyl methyl ether	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
tert-Butanol	ND	100	1	B9I0913	09/30/2019	09/30/19 17:13	
tert-Butylbenzene	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
Tetrachloroethene	31	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
Toluene	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
trans-1,2-Dichloroethene	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
trans-1,3-Dichloropropene	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
Trichloroethene	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
Trichlorofluoromethane	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	
Vinyl acetate	ND	50	1	B9I0913	09/30/2019	09/30/19 17:13	
Vinyl chloride	ND	5.0	1	B9I0913	09/30/2019	09/30/19 17:13	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>112 %</i>	<i>59 - 158</i>		B9I0913	09/30/2019	09/30/19 17:13	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>99.0 %</i>	<i>71 - 127</i>		B9I0913	09/30/2019	09/30/19 17:13	
<i>Surrogate: Dibromofluoromethane</i>	<i>105 %</i>	<i>66 - 147</i>		B9I0913	09/30/2019	09/30/19 17:13	
<i>Surrogate: Toluene-d8</i>	<i>100 %</i>	<i>77 - 138</i>		B9I0913	09/30/2019	09/30/19 17:13	



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/02/2019

QUALITY CONTROL SECTION

Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B910913 - MSVOA_LL_W

Blank (B910913-BLK1)

Prepared: 9/30/2019 Analyzed: 9/30/2019

1,1,1,2-Tetrachloroethane	ND	5.0	0.11
1,1,1-Trichloroethane	ND	5.0	0.21
1,1,2,2-Tetrachloroethane	ND	5.0	0.36
1,1,2-Trichloroethane	ND	5.0	0.25
1,1-Dichloroethane	ND	5.0	0.09
1,1-Dichloroethene	ND	5.0	0.13
1,1-Dichloropropene	ND	5.0	0.13
1,2,3-Trichloropropane	ND	5.0	0.39
1,2,3-Trichlorobenzene	ND	5.0	0.18
1,2,4-Trichlorobenzene	ND	5.0	0.16
1,2,4-Trimethylbenzene	ND	5.0	0.14
1,2-Dibromo-3-chloropropane	ND	5.0	0.41
1,2-Dibromoethane	ND	5.0	0.24
1,2-Dichlorobenzene	ND	5.0	0.20
1,2-Dichloroethane	ND	5.0	0.20
1,2-Dichloropropane	ND	5.0	0.15
1,3,5-Trimethylbenzene	ND	5.0	0.13
1,3-Dichlorobenzene	ND	5.0	0.16
1,3-Dichloropropane	ND	5.0	0.21
1,4-Dichlorobenzene	ND	5.0	0.17
2,2-Dichloropropane	ND	5.0	0.38
2-Chlorotoluene	ND	5.0	0.11
4-Chlorotoluene	ND	5.0	0.12
4-Isopropyltoluene	ND	5.0	0.11
Benzene	ND	5.0	0.13
Bromobenzene	ND	5.0	0.21
Bromochloromethane	ND	5.0	0.16
Bromodichloromethane	ND	5.0	0.14
Bromoform	ND	5.0	0.20
Bromomethane	ND	5.0	0.40
Carbon disulfide	ND	5.0	0.07
Carbon tetrachloride	ND	5.0	0.09
Chlorobenzene	ND	5.0	0.13
Chloroethane	ND	5.0	0.15
Chloroform	ND	5.0	0.11
Chloromethane	ND	5.0	0.12
cis-1,2-Dichloroethene	ND	5.0	0.14
cis-1,3-Dichloropropene	ND	5.0	0.13
Di-isopropyl ether	ND	5.0	0.15



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9I0913 - MSVOA_LL_W (continued)

Blank (B9I0913-BLK1) - Continued

Prepared: 9/30/2019 Analyzed: 9/30/2019

Dibromochloromethane	ND	5.0	0.16
Dibromomethane	ND	5.0	0.19
Dichlorodifluoromethane	ND	5.0	0.18
Ethyl Acetate	ND	50	8.7
Ethyl Ether	ND	50	2.0
Ethyl tert-butyl ether	ND	5.0	0.21
Ethylbenzene	ND	5.0	0.13
Freon-113	ND	5.0	0.13
Hexachlorobutadiene	ND	5.0	0.15
Isopropylbenzene	ND	5.0	0.10
m,p-Xylene	ND	10	0.19
Methylene chloride	ND	5.0	0.71
MTBE	ND	5.0	0.26
n-Butylbenzene	ND	5.0	0.11
n-Propylbenzene	ND	5.0	0.10
Naphthalene	ND	5.0	0.41
o-Xylene	ND	5.0	0.13
sec-Butylbenzene	ND	5.0	0.09
Styrene	ND	5.0	0.13
tert-Amyl methyl ether	ND	5.0	0.41
tert-Butanol	ND	100	2.4
tert-Butylbenzene	ND	5.0	0.09
Tetrachloroethene	ND	5.0	0.10
Toluene	ND	5.0	0.12
trans-1,2-Dichloroethene	ND	5.0	0.09
trans-1,3-Dichloropropene	ND	5.0	0.23
Trichloroethene	ND	5.0	0.10
Trichlorofluoromethane	ND	5.0	0.23
Vinyl acetate	ND	50	1.7
Vinyl chloride	ND	5.0	0.13

<i>Surrogate: 1,2-Dichloroethane-d4</i>	30.05		25.0000	120	59 - 158
<i>Surrogate: 4-Bromofluorobenzene</i>	24.85		25.0000	99.4	71 - 127
<i>Surrogate: Dibromofluoromethane</i>	27.43		25.0000	110	66 - 147
<i>Surrogate: Toluene-d8</i>	25.43		25.0000	102	77 - 138

LCS (B9I0913-BS1)

Prepared: 9/30/2019 Analyzed: 9/30/2019

1,1,1,2-Tetrachloroethane	18.5300	5.0	0.11	20.0000	92.6	71 - 133
1,1,1-Trichloroethane	21.8500	5.0	0.21	20.0000	109	62 - 124
1,1,2,2-Tetrachloroethane	17.8800	5.0	0.36	20.0000	89.4	50 - 131
1,1,2-Trichloroethane	18.6000	5.0	0.25	20.0000	93.0	77 - 121
1,1-Dichloroethane	22.5000	5.0	0.09	20.0000	112	52 - 130



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9I0913 - MSVOA_LL_W (continued)

LCS (B9I0913-BS1) - Continued

Prepared: 9/30/2019 Analyzed: 9/30/2019

1,1-Dichloroethene	19.2300	5.0	0.13	20.0000		96.2	61 - 136		
1,1-Dichloropropene	20.6100	5.0	0.13	20.0000		103	80 - 128		
1,2,3-Trichloropropane	18.4100	5.0	0.39	20.0000		92.0	59 - 126		
1,2,3-Trichlorobenzene	17.8200	5.0	0.18	20.0000		89.1	69 - 138		
1,2,4-Trichlorobenzene	17.8000	5.0	0.16	20.0000		89.0	78 - 125		
1,2,4-Trimethylbenzene	19.5200	5.0	0.14	20.0000		97.6	70 - 126		
1,2-Dibromo-3-chloropropane	16.1800	5.0	0.41	20.0000		80.9	58 - 127		
1,2-Dibromoethane	17.9000	5.0	0.24	20.0000		89.5	76 - 120		
1,2-Dichlorobenzene	18.6500	5.0	0.20	20.0000		93.2	82 - 117		
1,2-Dichloroethane	20.7900	5.0	0.20	20.0000		104	66 - 126		
1,2-Dichloropropane	19.4700	5.0	0.15	20.0000		97.4	70 - 117		
1,3,5-Trimethylbenzene	19.3900	5.0	0.13	20.0000		97.0	71 - 125		
1,3-Dichlorobenzene	18.8900	5.0	0.16	20.0000		94.4	81 - 116		
1,3-Dichloropropane	18.7000	5.0	0.21	20.0000		93.5	69 - 124		
1,4-Dichlorobenzene	18.6500	5.0	0.17	20.0000		93.2	80 - 114		
2,2-Dichloropropane	23.5000	5.0	0.38	20.0000		118	58 - 132		
2-Chlorotoluene	19.4600	5.0	0.11	20.0000		97.3	71 - 119		
4-Chlorotoluene	19.3600	5.0	0.12	20.0000		96.8	72 - 122		
4-Isopropyltoluene	19.5100	5.0	0.11	20.0000		97.6	69 - 126		
Benzene	40.4600	5.0	0.13	40.0000		101	80 - 116		
Bromobenzene	18.4100	5.0	0.21	20.0000		92.0	77 - 118		
Bromochloromethane	20.3400	5.0	0.16	20.0000		102	68 - 121		
Bromodichloromethane	19.2700	5.0	0.14	20.0000		96.4	73 - 118		
Bromoform	16.3200	5.0	0.20	20.0000		81.6	65 - 133		
Bromomethane	21.4300	5.0	0.40	20.0000		107	7 - 205		
Carbon disulfide	18.9700	5.0	0.07	20.0000		94.8	55 - 131		
Carbon tetrachloride	19.4800	5.0	0.09	20.0000		97.4	63 - 133		
Chlorobenzene	19.0500	5.0	0.13	20.0000		95.2	86 - 113		
Chloroethane	21.3000	5.0	0.15	20.0000		106	66 - 141		
Chloroform	21.6100	5.0	0.11	20.0000		108	63 - 127		
Chloromethane	25.7600	5.0	0.12	20.0000		129	0 - 207		
cis-1,2-Dichloroethene	21.5000	5.0	0.14	20.0000		108	64 - 126		
cis-1,3-Dichloropropene	21.3100	5.0	0.13	20.0000		107	70 - 141		
Di-isopropyl ether	20.9200	5.0	0.15	20.0000		105	56 - 131		
Dibromochloromethane	17.7300	5.0	0.16	20.0000		88.6	67 - 135		
Dibromomethane	19.2900	5.0	0.19	20.0000		96.4	74 - 118		
Dichlorodifluoromethane	26.3400	5.0	0.18	20.0000		132	14 - 181		
Ethyl Acetate	198.650	50	8.7	200.000		99.3	49 - 128		
Ethyl Ether	185.090	50	2.0	200.000		92.5	53 - 143		
Ethyl tert-butyl ether	20.3900	5.0	0.21	20.0000		102	54 - 132		
Ethylbenzene	38.6400	5.0	0.13	40.0000		96.6	77 - 118		
Freon-113	20.6300	5.0	0.13	20.0000		103	68 - 145		



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9I0913 - MSVOA_LL_W (continued)

LCS (B9I0913-BS1) - Continued

Prepared: 9/30/2019 Analyzed: 9/30/2019

Hexachlorobutadiene	18.5400	5.0	0.15	20.0000		92.7	66 - 125			
Isopropylbenzene	20.9500	5.0	0.10	20.0000		105	68 - 137			
m,p-Xylene	39.2500	10	0.19	40.0000		98.1	78 - 126			
Methylene chloride	21.9600	5.0	0.71	20.0000		110	51 - 149			
MTBE	19.2400	5.0	0.26	20.0000		96.2	63 - 128			
n-Butylbenzene	20.3700	5.0	0.11	20.0000		102	63 - 127			
n-Propylbenzene	19.9800	5.0	0.10	20.0000		99.9	69 - 124			
Naphthalene	16.7100	5.0	0.41	20.0000		83.6	60 - 126			
o-Xylene	39.4200	5.0	0.13	40.0000		98.6	79 - 126			
sec-Butylbenzene	20.0300	5.0	0.09	20.0000		100	69 - 124			
Styrene	19.7300	5.0	0.13	20.0000		98.6	80 - 127			
tert-Amyl methyl ether	19.4900	5.0	0.41	20.0000		97.4	49 - 130			
tert-Butanol	83.3900	100	2.4	100.000		83.4	29 - 163			
tert-Butylbenzene	19.4700	5.0	0.09	20.0000		97.4	71 - 124			
Tetrachloroethene	18.0400	5.0	0.10	20.0000		90.2	73 - 129			
Toluene	38.9300	5.0	0.12	40.0000		97.3	78 - 121			
trans-1,2-Dichloroethene	20.7400	5.0	0.09	20.0000		104	58 - 141			
trans-1,3-Dichloropropene	18.9800	5.0	0.23	20.0000		94.9	68 - 128			
Trichloroethene	18.9100	5.0	0.10	20.0000		94.6	73 - 126			
Trichlorofluoromethane	21.1800	5.0	0.23	20.0000		106	62 - 146			
Vinyl acetate	225.990	50	1.7	200.000		113	53 - 153			
Vinyl chloride	22.2500	5.0	0.13	20.0000		111	61 - 137			
<hr/>										
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>29.59</i>			<i>25.0000</i>		<i>118</i>	<i>59 - 158</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>25.13</i>			<i>25.0000</i>		<i>101</i>	<i>71 - 127</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>27.75</i>			<i>25.0000</i>		<i>111</i>	<i>66 - 147</i>			
<i>Surrogate: Toluene-d8</i>	<i>25.92</i>			<i>25.0000</i>		<i>104</i>	<i>77 - 138</i>			

LCS Dup (B9I0913-BSD1)

Prepared: 9/30/2019 Analyzed: 9/30/2019

1,1,1,2-Tetrachloroethane	20.0600	5.0	0.11	20.0000		100	71 - 133	7.93	20
1,1,1-Trichloroethane	22.8800	5.0	0.21	20.0000		114	62 - 124	4.61	20
1,1,2,2-Tetrachloroethane	20.3500	5.0	0.36	20.0000		102	50 - 131	12.9	20
1,1,2-Trichloroethane	20.5600	5.0	0.25	20.0000		103	77 - 121	10.0	20
1,1-Dichloroethane	23.3600	5.0	0.09	20.0000		117	52 - 130	3.75	20
1,1-Dichloroethene	19.7500	5.0	0.13	20.0000		98.8	61 - 136	2.67	20
1,1-Dichloropropene	21.3900	5.0	0.13	20.0000		107	80 - 128	3.71	20
1,2,3-Trichloropropane	20.6800	5.0	0.39	20.0000		103	59 - 126	11.6	20
1,2,3-Trichlorobenzene	19.4900	5.0	0.18	20.0000		97.4	69 - 138	8.95	20
1,2,4-Trichlorobenzene	19.4500	5.0	0.16	20.0000		97.2	78 - 125	8.86	20
1,2,4-Trimethylbenzene	20.0700	5.0	0.14	20.0000		100	70 - 126	2.78	20
1,2-Dibromo-3-chloropropane	19.3600	5.0	0.41	20.0000		96.8	58 - 127	17.9	20
1,2-Dibromoethane	19.9500	5.0	0.24	20.0000		99.8	76 - 120	10.8	20



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9I0913 - MSVOA_LL_W (continued)

LCS Dup (B9I0913-BSD1) - Continued

Prepared: 9/30/2019 Analyzed: 9/30/2019

1,2-Dichlorobenzene	19.7600	5.0	0.20	20.0000		98.8	82 - 117	5.78	20	
1,2-Dichloroethane	22.1000	5.0	0.20	20.0000		110	66 - 126	6.11	20	
1,2-Dichloropropane	20.7400	5.0	0.15	20.0000		104	70 - 117	6.32	20	
1,3,5-Trimethylbenzene	20.0300	5.0	0.13	20.0000		100	71 - 125	3.25	20	
1,3-Dichlorobenzene	19.7000	5.0	0.16	20.0000		98.5	81 - 116	4.20	20	
1,3-Dichloropropane	20.4900	5.0	0.21	20.0000		102	69 - 124	9.13	20	
1,4-Dichlorobenzene	19.4800	5.0	0.17	20.0000		97.4	80 - 114	4.35	20	
2,2-Dichloropropane	23.7800	5.0	0.38	20.0000		119	58 - 132	1.18	20	
2-Chlorotoluene	20.1100	5.0	0.11	20.0000		101	71 - 119	3.29	20	
4-Chlorotoluene	20.2300	5.0	0.12	20.0000		101	72 - 122	4.40	20	
4-Isopropyltoluene	19.9400	5.0	0.11	20.0000		99.7	69 - 126	2.18	20	
Benzene	41.9700	5.0	0.13	40.0000		105	80 - 116	3.66	20	
Bromobenzene	19.2300	5.0	0.21	20.0000		96.2	77 - 118	4.36	20	
Bromochloromethane	21.8700	5.0	0.16	20.0000		109	68 - 121	7.25	20	
Bromodichloromethane	20.1700	5.0	0.14	20.0000		101	73 - 118	4.56	20	
Bromoform	18.7700	5.0	0.20	20.0000		93.8	65 - 133	14.0	20	
Bromomethane	24.1700	5.0	0.40	20.0000		121	7 - 205	12.0	20	
Carbon disulfide	19.9100	5.0	0.07	20.0000		99.6	55 - 131	4.84	20	
Carbon tetrachloride	20.7100	5.0	0.09	20.0000		104	63 - 133	6.12	20	
Chlorobenzene	19.4600	5.0	0.13	20.0000		97.3	86 - 113	2.13	20	
Chloroethane	22.9100	5.0	0.15	20.0000		115	66 - 141	7.28	20	
Chloroform	23.1500	5.0	0.11	20.0000		116	63 - 127	6.88	20	
Chloromethane	26.6900	5.0	0.12	20.0000		133	0 - 207	3.55	20	
cis-1,2-Dichloroethene	22.2000	5.0	0.14	20.0000		111	64 - 126	3.20	20	
cis-1,3-Dichloropropene	22.9300	5.0	0.13	20.0000		115	70 - 141	7.32	20	
Di-isopropyl ether	22.2100	5.0	0.15	20.0000		111	56 - 131	5.98	20	
Dibromochloromethane	19.3100	5.0	0.16	20.0000		96.6	67 - 135	8.53	20	
Dibromomethane	21.0100	5.0	0.19	20.0000		105	74 - 118	8.54	20	
Dichlorodifluoromethane	27.5100	5.0	0.18	20.0000		138	14 - 181	4.35	20	
Ethyl Acetate	236.150	50	8.7	200.000		118	49 - 128	17.2	20	
Ethyl Ether	201.530	50	2.0	200.000		101	53 - 143	8.50	20	
Ethyl tert-butyl ether	21.8900	5.0	0.21	20.0000		109	54 - 132	7.10	20	
Ethylbenzene	39.8200	5.0	0.13	40.0000		99.6	77 - 118	3.01	20	
Freon-113	20.8400	5.0	0.13	20.0000		104	68 - 145	1.01	20	
Hexachlorobutadiene	18.7800	5.0	0.15	20.0000		93.9	66 - 125	1.29	20	
Isopropylbenzene	21.2200	5.0	0.10	20.0000		106	68 - 137	1.28	20	
m,p-Xylene	40.0400	10	0.19	40.0000		100	78 - 126	1.99	20	
Methylene chloride	23.5300	5.0	0.71	20.0000		118	51 - 149	6.90	20	
MTBE	21.4700	5.0	0.26	20.0000		107	63 - 128	11.0	20	
n-Butylbenzene	20.9400	5.0	0.11	20.0000		105	63 - 127	2.76	20	
n-Propylbenzene	20.3900	5.0	0.10	20.0000		102	69 - 124	2.03	20	
Naphthalene	19.3800	5.0	0.41	20.0000		96.9	60 - 126	14.8	20	



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9I0913 - MSVOA_LL_W (continued)

LCS Dup (B9I0913-BSD1) - Continued

Prepared: 9/30/2019 Analyzed: 9/30/2019

o-Xylene	40.8700	5.0	0.13	40.0000		102	79 - 126	3.61	20	
sec-Butylbenzene	20.5300	5.0	0.09	20.0000		103	69 - 124	2.47	20	
Styrene	20.2000	5.0	0.13	20.0000		101	80 - 127	2.35	20	
tert-Amyl methyl ether	21.5600	5.0	0.41	20.0000		108	49 - 130	10.1	20	
tert-Butanol	100.640	100	2.4	100.000		101	29 - 163	18.7	20	
tert-Butylbenzene	19.7500	5.0	0.09	20.0000		98.8	71 - 124	1.43	20	
Tetrachloroethene	18.3800	5.0	0.10	20.0000		91.9	73 - 129	1.87	20	
Toluene	40.6400	5.0	0.12	40.0000		102	78 - 121	4.30	20	
trans-1,2-Dichloroethene	21.5800	5.0	0.09	20.0000		108	58 - 141	3.97	20	
trans-1,3-Dichloropropene	20.5000	5.0	0.23	20.0000		102	68 - 128	7.70	20	
Trichloroethene	19.2800	5.0	0.10	20.0000		96.4	73 - 126	1.94	20	
Trichlorofluoromethane	22.1700	5.0	0.23	20.0000		111	62 - 146	4.57	20	
Vinyl acetate	250.510	50	1.7	200.000		125	53 - 153	10.3	20	
Vinyl chloride	23.8300	5.0	0.13	20.0000		119	61 - 137	6.86	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>29.99</i>			<i>25.0000</i>		<i>120</i>	<i>59 - 158</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>25.25</i>			<i>25.0000</i>		<i>101</i>	<i>71 - 127</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>27.91</i>			<i>25.0000</i>		<i>112</i>	<i>66 - 147</i>			
<i>Surrogate: Toluene-d8</i>	<i>25.65</i>			<i>25.0000</i>		<i>103</i>	<i>77 - 138</i>			



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Stantec
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Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/02/2019

Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9J0033 - MSVOA_S

Blank (B9J0033-BLK1)

Prepared: 10/2/2019 Analyzed: 10/2/2019

1,1,1,2-Tetrachloroethane	ND	5.0	0.40
1,1,1-Trichloroethane	ND	5.0	0.79
1,1,2,2-Tetrachloroethane	ND	5.0	0.70
1,1,2-Trichloroethane	ND	5.0	0.57
1,1-Dichloroethane	ND	5.0	0.63
1,1-Dichloroethene	ND	5.0	2.9
1,1-Dichloropropene	ND	5.0	0.26
1,2,3-Trichloropropane	ND	5.0	0.72
1,2,3-Trichlorobenzene	ND	5.0	0.57
1,2,4-Trichlorobenzene	ND	5.0	0.61
1,2,4-Trimethylbenzene	ND	5.0	1.0
1,2-Dibromo-3-chloropropane	ND	10	1.2
1,2-Dibromoethane	ND	5.0	0.28
1,2-Dichlorobenzene	ND	5.0	0.45
1,2-Dichloroethane	ND	5.0	0.88
1,2-Dichloropropane	ND	5.0	0.67
1,3,5-Trimethylbenzene	ND	5.0	0.35
1,3-Dichlorobenzene	ND	5.0	0.41
1,3-Dichloropropane	ND	5.0	0.49
1,4-Dichlorobenzene	ND	5.0	0.39
2,2-Dichloropropane	ND	5.0	0.61
2-Chlorotoluene	ND	5.0	0.26
4-Chlorotoluene	ND	5.0	0.20
4-Isopropyltoluene	ND	5.0	0.28
Benzene	ND	5.0	0.37
Bromobenzene	ND	5.0	0.44
Bromochloromethane	ND	5.0	0.99
Bromodichloromethane	ND	5.0	0.58
Bromoform	ND	5.0	0.37
Bromomethane	ND	5.0	4.7
Carbon disulfide	ND	5.0	3.2
Carbon tetrachloride	ND	5.0	0.65
Chlorobenzene	ND	5.0	0.29
Chloroethane	ND	5.0	4.0
Chloroform	ND	5.0	0.75
Chloromethane	ND	5.0	0.98
cis-1,2-Dichloroethene	ND	5.0	0.82
cis-1,3-Dichloropropene	ND	5.0	0.22
Di-isopropyl ether	ND	5.0	0.55
Dibromochloromethane	ND	5.0	0.20
Dibromomethane	ND	5.0	0.56



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9J0033 - MSVOA_S (continued)

Blank (B9J0033-BLK1) - Continued

Prepared: 10/2/2019 Analyzed: 10/2/2019

Dichlorodifluoromethane	ND	5.0	2.6
Ethyl Acetate	ND	50	10
Ethyl Ether	ND	50	20
Ethyl tert-butyl ether	ND	5.0	0.32
Ethylbenzene	ND	5.0	0.26
Freon-113	ND	5.0	3.7
Hexachlorobutadiene	ND	5.0	0.40
Isopropylbenzene	ND	5.0	0.32
m,p-Xylene	ND	10	0.86
Methylene chloride	ND	5.0	3.4
MTBE	ND	5.0	1.3
n-Butylbenzene	ND	5.0	0.42
n-Propylbenzene	ND	5.0	0.25
Naphthalene	ND	5.0	0.50
o-Xylene	ND	5.0	0.46
sec-Butylbenzene	ND	5.0	0.36
Styrene	ND	5.0	0.38
tert-Amyl methyl ether	ND	5.0	0.43
tert-Butanol	ND	100	7.4
tert-Butylbenzene	ND	5.0	0.33
Tetrachloroethene	ND	5.0	0.31
Toluene	ND	5.0	0.47
trans-1,2-Dichloroethene	ND	5.0	1.4
trans-1,3-Dichloropropene	ND	5.0	0.48
Trichloroethene	ND	5.0	0.64
Trichlorofluoromethane	ND	5.0	0.79
Vinyl acetate	ND	50	9.0
Vinyl chloride	ND	5.0	0.74

<i>Surrogate: 1,2-Dichloroethane-d4</i>	56.14		50.0000	112	60 - 145
<i>Surrogate: 4-Bromofluorobenzene</i>	49.67		50.0000	99.3	68 - 121
<i>Surrogate: Dibromofluoromethane</i>	57.11		50.0000	114	65 - 137
<i>Surrogate: Toluene-d8</i>	41.20		50.0000	82.4	82 - 119

LCS (B9J0033-BS1)

Prepared: 10/2/2019 Analyzed: 10/2/2019

1,1,1,2-Tetrachloroethane	48.6300	5.0	0.40	50.0000	97.3	82 - 114	
1,1,1-Trichloroethane	54.8800	5.0	0.79	50.0000	110	70 - 121	
1,1,2,2-Tetrachloroethane	46.0600	5.0	0.70	50.0000	92.1	65 - 116	
1,1,2-Trichloroethane	53.0500	5.0	0.57	50.0000	106	73 - 114	
1,1-Dichloroethane	61.8000	5.0	0.63	50.0000	124	69 - 117	L3
1,1-Dichloroethene	72.3400	5.0	2.9	50.0000	145	57 - 128	L5
1,1-Dichloropropene	51.0700	5.0	0.26	50.0000	102	76 - 122	



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9J0033 - MSVOA_S (continued)

LCS (B9J0033-BS1) - Continued

Prepared: 10/2/2019 Analyzed: 10/2/2019

1,2,3-Trichloropropane	49.7000	5.0	0.72	50.0000		99.4	65 - 116			
1,2,3-Trichlorobenzene	57.7800	5.0	0.57	50.0000		116	72 - 130			
1,2,4-Trichlorobenzene	60.8600	5.0	0.61	50.0000		122	74 - 141			
1,2,4-Trimethylbenzene	49.3100	5.0	1.0	50.0000		98.6	81 - 126			
1,2-Dibromo-3-chloropropane	60.0000	10	1.2	50.0000		120	63 - 126			
1,2-Dibromoethane	53.8800	5.0	0.28	50.0000		108	75 - 113			
1,2-Dichlorobenzene	50.3500	5.0	0.45	50.0000		101	83 - 114			
1,2-Dichloroethane	51.5300	5.0	0.88	50.0000		103	73 - 115			
1,2-Dichloropropane	51.2000	5.0	0.67	50.0000		102	75 - 117			
1,3,5-Trimethylbenzene	48.8000	5.0	0.35	50.0000		97.6	80 - 126			
1,3-Dichlorobenzene	48.0300	5.0	0.41	50.0000		96.1	83 - 113			
1,3-Dichloropropane	42.0900	5.0	0.49	50.0000		84.2	79 - 108			
1,4-Dichlorobenzene	47.5400	5.0	0.39	50.0000		95.1	82 - 114			
2,2-Dichloropropane	54.9600	5.0	0.61	50.0000		110	66 - 135			
2-Chlorotoluene	47.3600	5.0	0.26	50.0000		94.7	79 - 117			
4-Chlorotoluene	47.9500	5.0	0.20	50.0000		95.9	77 - 118			
4-Isopropyltoluene	51.7700	5.0	0.28	50.0000		104	81 - 129			
Benzene	92.8400	5.0	0.37	100.000		92.8	78 - 112			
Bromobenzene	46.4800	5.0	0.44	50.0000		93.0	79 - 111			
Bromochloromethane	49.6700	5.0	0.99	50.0000		99.3	69 - 116			
Bromodichloromethane	50.0800	5.0	0.58	50.0000		100	79 - 111			
Bromoform	45.7900	5.0	0.37	50.0000		91.6	75 - 119			
Bromomethane	52.8900	5.0	4.7	50.0000		106	31 - 168			
Carbon disulfide	71.1000	5.0	3.2	50.0000		142	54 - 141			L3
Carbon tetrachloride	47.7700	5.0	0.65	50.0000		95.5	74 - 125			
Chlorobenzene	48.3500	5.0	0.29	50.0000		96.7	83 - 112			
Chloroethane	62.7500	5.0	4.0	50.0000		126	53 - 144			
Chloroform	51.8600	5.0	0.75	50.0000		104	69 - 118			
Chloromethane	66.7100	5.0	0.98	50.0000		133	46 - 137			
cis-1,2-Dichloroethene	51.4300	5.0	0.82	50.0000		103	68 - 118			
cis-1,3-Dichloropropene	58.5400	5.0	0.22	50.0000		117	77 - 121			
Di-isopropyl ether	64.4000	5.0	0.55	50.0000		129	60 - 129			
Dibromochloromethane	41.2700	5.0	0.20	50.0000		82.5	80 - 111			
Dibromomethane	50.8200	5.0	0.56	50.0000		102	78 - 108			
Dichlorodifluoromethane	62.2700	5.0	2.6	50.0000		125	41 - 146			
Ethyl Acetate	604.180	50	10	500.000		121	52 - 130			
Ethyl Ether	853.110	50	20	500.000		171	54 - 138			L5
Ethyl tert-butyl ether	76.8000	5.0	0.32	50.0000		154	52 - 141			L3
Ethylbenzene	97.0500	5.0	0.26	100.000		97.0	82 - 121			
Freon-113	72.0600	5.0	3.7	50.0000		144	59 - 139			L3
Hexachlorobutadiene	54.3000	5.0	0.40	50.0000		109	69 - 143			
Isopropylbenzene	53.1300	5.0	0.32	50.0000		106	78 - 124			



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9J0033 - MSVOA_S (continued)

LCS (B9J0033-BS1) - Continued

Prepared: 10/2/2019 Analyzed: 10/2/2019

m,p-Xylene	103.200	10	0.86	100.000		103	85 - 118			
Methylene chloride	66.8500	5.0	3.4	50.0000		134	44 - 146			
MTBE	81.5300	5.0	1.3	50.0000		163	61 - 122			L5
n-Butylbenzene	55.3200	5.0	0.42	50.0000		111	78 - 135			
n-Propylbenzene	48.5200	5.0	0.25	50.0000		97.0	78 - 127			
Naphthalene	55.8600	5.0	0.50	50.0000		112	68 - 129			
o-Xylene	101.980	5.0	0.46	100.000		102	86 - 118			
sec-Butylbenzene	50.3900	5.0	0.36	50.0000		101	80 - 127			
Styrene	50.9700	5.0	0.38	50.0000		102	85 - 117			
tert-Amyl methyl ether	65.6800	5.0	0.43	50.0000		131	48 - 135			
tert-Butanol	345.200	100	7.4	250.000		138	0 - 175			
tert-Butylbenzene	50.8400	5.0	0.33	50.0000		102	81 - 122			
Tetrachloroethene	41.2600	5.0	0.31	50.0000		82.5	77 - 122			
Toluene	95.0100	5.0	0.47	100.000		95.0	79 - 114			
trans-1,2-Dichloroethene	67.1900	5.0	1.4	50.0000		134	66 - 125			L3
trans-1,3-Dichloropropene	51.1600	5.0	0.48	50.0000		102	76 - 120			
Trichloroethene	50.1200	5.0	0.64	50.0000		100	79 - 117			
Trichlorofluoromethane	65.6500	5.0	0.79	50.0000		131	55 - 133			
Vinyl acetate	609.170	50	9.0	500.000		122	52 - 141			
Vinyl chloride	65.2300	5.0	0.74	50.0000		130	58 - 132			

<i>Surrogate: 1,2-Dichloroethane-d4</i>	55.73			50.0000		111	60 - 145			
<i>Surrogate: 4-Bromofluorobenzene</i>	44.17			50.0000		88.3	68 - 121			
<i>Surrogate: Dibromofluoromethane</i>	54.16			50.0000		108	65 - 137			
<i>Surrogate: Toluene-d8</i>	51.29			50.0000		103	82 - 119			

LCS Dup (B9J0033-BSD1)

Prepared: 10/2/2019 Analyzed: 10/2/2019

1,1,1,2-Tetrachloroethane	49.9800	5.0	0.40	50.0000		100	82 - 114	2.74	20	
1,1,1-Trichloroethane	56.7400	5.0	0.79	50.0000		113	70 - 121	3.33	20	
1,1,2,2-Tetrachloroethane	46.9500	5.0	0.70	50.0000		93.9	65 - 116	1.91	20	
1,1,2-Trichloroethane	50.8100	5.0	0.57	50.0000		102	73 - 114	4.31	20	
1,1-Dichloroethane	58.2100	5.0	0.63	50.0000		116	69 - 117	5.98	20	
1,1-Dichloroethene	57.7800	5.0	2.9	50.0000		116	57 - 128	22.4	20	R
1,1-Dichloropropene	65.3500	5.0	0.26	50.0000		131	76 - 122	24.5	20	L5
1,2,3-Trichloropropane	49.5400	5.0	0.72	50.0000		99.1	65 - 116	0.322	20	
1,2,3-Trichlorobenzene	68.7100	5.0	0.57	50.0000		137	72 - 130	17.3	20	L3
1,2,4-Trichlorobenzene	70.6700	5.0	0.61	50.0000		141	74 - 141	14.9	20	
1,2,4-Trimethylbenzene	49.4100	5.0	1.0	50.0000		98.8	81 - 126	0.203	20	
1,2-Dibromo-3-chloropropane	69.3700	10	1.2	50.0000		139	63 - 126	14.5	20	L5
1,2-Dibromoethane	53.2500	5.0	0.28	50.0000		106	75 - 113	1.18	20	
1,2-Dichlorobenzene	54.7900	5.0	0.45	50.0000		110	83 - 114	8.45	20	
1,2-Dichloroethane	62.6200	5.0	0.88	50.0000		125	73 - 115	19.4	20	L5



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9J0033 - MSVOA_S (continued)

LCS Dup (B9J0033-BSD1) - Continued

Prepared: 10/2/2019 Analyzed: 10/2/2019

1,2-Dichloropropane	51.8000	5.0	0.67	50.0000		104	75 - 117	1.17	20	
1,3,5-Trimethylbenzene	48.9000	5.0	0.35	50.0000		97.8	80 - 126	0.205	20	
1,3-Dichlorobenzene	47.8900	5.0	0.41	50.0000		95.8	83 - 113	0.292	20	
1,3-Dichloropropane	55.2400	5.0	0.49	50.0000		110	79 - 108	27.0	20	L3
1,4-Dichlorobenzene	48.4500	5.0	0.39	50.0000		96.9	82 - 114	1.90	20	
2,2-Dichloropropane	57.9200	5.0	0.61	50.0000		116	66 - 135	5.24	20	
2-Chlorotoluene	46.6500	5.0	0.26	50.0000		93.3	79 - 117	1.51	20	
4-Chlorotoluene	48.0100	5.0	0.20	50.0000		96.0	77 - 118	0.125	20	
4-Isopropyltoluene	51.6500	5.0	0.28	50.0000		103	81 - 129	0.232	20	
Benzene	122.120	5.0	0.37	100.000		122	78 - 112	27.2	20	L5
Bromobenzene	45.6000	5.0	0.44	50.0000		91.2	79 - 111	1.91	20	
Bromochloromethane	53.2400	5.0	0.99	50.0000		106	69 - 116	6.94	20	
Bromodichloromethane	49.7400	5.0	0.58	50.0000		99.5	79 - 111	0.681	20	
Bromoform	50.2400	5.0	0.37	50.0000		100	75 - 119	9.27	20	
Bromomethane	45.1200	5.0	4.7	50.0000		90.2	31 - 168	15.9	20	
Carbon disulfide	56.8200	5.0	3.2	50.0000		114	54 - 141	22.3	20	R
Carbon tetrachloride	63.5200	5.0	0.65	50.0000		127	74 - 125	28.3	20	L3
Chlorobenzene	49.2800	5.0	0.29	50.0000		98.6	83 - 112	1.91	20	
Chloroethane	50.2700	5.0	4.0	50.0000		101	53 - 144	22.1	20	R
Chloroform	55.1200	5.0	0.75	50.0000		110	69 - 118	6.09	20	
Chloromethane	59.8700	5.0	0.98	50.0000		120	46 - 137	10.8	20	
cis-1,2-Dichloroethene	55.0500	5.0	0.82	50.0000		110	68 - 118	6.80	20	
cis-1,3-Dichloropropene	59.7700	5.0	0.22	50.0000		120	77 - 121	2.08	20	
Di-isopropyl ether	58.0000	5.0	0.55	50.0000		116	60 - 129	10.5	20	
Dibromochloromethane	54.1300	5.0	0.20	50.0000		108	80 - 111	27.0	20	R
Dibromomethane	51.7000	5.0	0.56	50.0000		103	78 - 108	1.72	20	
Dichlorodifluoromethane	57.0700	5.0	2.6	50.0000		114	41 - 146	8.71	20	
Ethyl Acetate	696.420	50	10	500.000		139	52 - 130	14.2	20	L3
Ethyl Ether	699.000	50	20	500.000		140	54 - 138	19.9	20	L3
Ethyl tert-butyl ether	81.8200	5.0	0.32	50.0000		164	52 - 141	6.33	20	L5
Ethylbenzene	96.1900	5.0	0.26	100.000		96.2	82 - 121	0.890	20	
Freon-113	57.1300	5.0	3.7	50.0000		114	59 - 139	23.1	20	R
Hexachlorobutadiene	61.6800	5.0	0.40	50.0000		123	69 - 143	12.7	20	
Isopropylbenzene	50.3800	5.0	0.32	50.0000		101	78 - 124	5.31	20	
m,p-Xylene	100.960	10	0.86	100.000		101	85 - 118	2.19	20	
Methylene chloride	53.9200	5.0	3.4	50.0000		108	44 - 146	21.4	20	R
MTBE	69.3500	5.0	1.3	50.0000		139	61 - 122	16.1	20	L5
n-Butylbenzene	73.2900	5.0	0.42	50.0000		147	78 - 135	27.9	20	L5, R
n-Propylbenzene	47.5100	5.0	0.25	50.0000		95.0	78 - 127	2.10	20	
Naphthalene	64.1000	5.0	0.50	50.0000		128	68 - 129	13.7	20	
o-Xylene	102.720	5.0	0.46	100.000		103	86 - 118	0.723	20	
sec-Butylbenzene	49.6700	5.0	0.36	50.0000		99.3	80 - 127	1.44	20	



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Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9J0033 - MSVOA_S (continued)

LCS Dup (B9J0033-BSD1) - Continued

Prepared: 10/2/2019 Analyzed: 10/2/2019

Styrene	51.6500	5.0	0.38	50.0000		103	85 - 117	1.33	20	
tert-Amyl methyl ether	67.5900	5.0	0.43	50.0000		135	48 - 135	2.87	20	
tert-Butanol	333.200	100	7.4	250.000		133	0 - 175	3.54	20	
tert-Butylbenzene	50.2200	5.0	0.33	50.0000		100	81 - 122	1.23	20	
Tetrachloroethene	53.8900	5.0	0.31	50.0000		108	77 - 122	26.5	20	R
Toluene	102.330	5.0	0.47	100.000		102	79 - 114	7.42	20	
trans-1,2-Dichloroethene	55.3800	5.0	1.4	50.0000		111	66 - 125	19.3	20	
trans-1,3-Dichloropropene	51.0900	5.0	0.48	50.0000		102	76 - 120	0.137	20	
Trichloroethene	53.3400	5.0	0.64	50.0000		107	79 - 117	6.22	20	
Trichlorofluoromethane	53.5200	5.0	0.79	50.0000		107	55 - 133	20.4	20	R
Vinyl acetate	634.970	50	9.0	500.000		127	52 - 141	4.15	20	
Vinyl chloride	55.5800	5.0	0.74	50.0000		111	58 - 132	16.0	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>56.15</i>			<i>50.0000</i>		<i>112</i>	<i>60 - 145</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>51.36</i>			<i>50.0000</i>		<i>103</i>	<i>68 - 121</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>56.53</i>			<i>50.0000</i>		<i>113</i>	<i>65 - 137</i>			
<i>Surrogate: Toluene-d8</i>	<i>53.25</i>			<i>50.0000</i>		<i>106</i>	<i>82 - 119</i>			

Matrix Spike (B9J0033-MS1)

Source: 1903554-01

Prepared: 10/2/2019 Analyzed: 10/2/2019

1,1,1,2-Tetrachloroethane	46.1600	5.0	0.40	50.0000	ND	92.3	45 - 121			
1,1,1-Trichloroethane	53.6900	5.0	0.79	50.0000	ND	107	43 - 127			
1,1,2,2-Tetrachloroethane	48.1000	5.0	0.70	50.0000	ND	96.2	32 - 128			
1,1,2-Trichloroethane	48.4200	5.0	0.57	50.0000	ND	96.8	45 - 121			
1,1-Dichloroethane	55.6700	5.0	0.63	50.0000	ND	111	46 - 119			
1,1-Dichloroethene	60.7300	5.0	2.9	50.0000	ND	121	40 - 130			
1,1-Dichloropropene	46.8600	5.0	0.26	50.0000	ND	93.7	45 - 130			
1,2,3-Trichloropropane	49.7000	5.0	0.72	50.0000	ND	99.4	42 - 124			
1,2,3-Trichlorobenzene	52.9500	5.0	0.57	50.0000	ND	106	4 - 135			
1,2,4-Trichlorobenzene	54.4600	5.0	0.61	50.0000	ND	109	8 - 141			
1,2,4-Trimethylbenzene	44.9900	5.0	1.0	50.0000	ND	90.0	30 - 136			
1,2-Dibromo-3-chloropropane	72.2400	10	1.2	50.0000	ND	144	38 - 132			M2
1,2-Dibromoethane	50.1600	5.0	0.28	50.0000	ND	100	45 - 121			
1,2-Dichlorobenzene	48.2800	5.0	0.45	50.0000	ND	96.6	30 - 125			
1,2-Dichloroethane	45.6000	5.0	0.88	50.0000	ND	91.2	51 - 115			
1,2-Dichloropropane	61.4900	5.0	0.67	50.0000	ND	123	50 - 118			M2
1,3,5-Trimethylbenzene	45.8600	5.0	0.35	50.0000	ND	91.7	29 - 137			
1,3-Dichlorobenzene	44.3700	5.0	0.41	50.0000	ND	88.7	30 - 124			
1,3-Dichloropropane	48.1600	5.0	0.49	50.0000	ND	96.3	49 - 116			
1,4-Dichlorobenzene	43.9100	5.0	0.39	50.0000	ND	87.8	31 - 124			
2,2-Dichloropropane	54.2300	5.0	0.61	50.0000	ND	108	41 - 134			
2-Chlorotoluene	42.7200	5.0	0.26	50.0000	ND	85.4	32 - 127			
4-Chlorotoluene	45.2700	5.0	0.20	50.0000	ND	90.5	34 - 124			



Certificate of Analysis

Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/02/2019

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9J0033 - MSVOA_S (continued)

Matrix Spike (B9J0033-MS1) - Continued

Source: 1903554-01

Prepared: 10/2/2019 Analyzed: 10/2/2019

4-Isopropyltoluene	46.8500	5.0	0.28	50.0000	ND	93.7	26 - 141		
Benzene	80.5500	5.0	0.37	100.000	ND	80.6	48 - 117		
Bromobenzene	42.8900	5.0	0.44	50.0000	ND	85.8	40 - 117		
Bromochloromethane	54.9300	5.0	0.99	50.0000	ND	110	48 - 117		
Bromodichloromethane	59.5800	5.0	0.58	50.0000	ND	119	49 - 115		M2
Bromoform	48.3700	5.0	0.37	50.0000	ND	96.7	42 - 127		
Bromomethane	45.6300	5.0	4.7	50.0000	ND	91.3	19 - 157		
Carbon disulfide	59.1300	5.0	3.2	50.0000	ND	118	34 - 138		
Carbon tetrachloride	47.2600	5.0	0.65	50.0000	ND	94.5	43 - 130		
Chlorobenzene	44.7800	5.0	0.29	50.0000	ND	89.6	41 - 122		
Chloroethane	45.7800	5.0	4.0	50.0000	ND	91.6	32 - 145		
Chloroform	54.5100	5.0	0.75	50.0000	ND	109	46 - 118		
Chloromethane	56.8000	5.0	0.98	50.0000	ND	114	34 - 132		
cis-1,2-Dichloroethene	52.9500	5.0	0.82	50.0000	ND	106	44 - 119		
cis-1,3-Dichloropropene	56.2200	5.0	0.22	50.0000	ND	112	44 - 126		
Di-isopropyl ether	63.0500	5.0	0.55	50.0000	ND	126	42 - 126		
Dibromochloromethane	46.9800	5.0	0.20	50.0000	ND	94.0	46 - 119		
Dibromomethane	62.2000	5.0	0.56	50.0000	ND	124	52 - 114		M2
Dichlorodifluoromethane	46.7600	5.0	2.6	50.0000	ND	93.5	22 - 147		
Ethyl Acetate	93.3200	50	10	500.000	ND	18.7	9 - 140		
Ethyl Ether	850.380	50	20	500.000	ND	170	45 - 131		M2
Ethyl tert-butyl ether	83.8200	5.0	0.32	50.0000	ND	168	33 - 138		M2
Ethylbenzene	87.6400	5.0	0.26	100.000	ND	87.6	38 - 131		
Freon-113	61.0200	5.0	3.7	50.0000	ND	122	38 - 140		
Hexachlorobutadiene	45.9000	5.0	0.40	50.0000	ND	91.8	4 - 141		
Isopropylbenzene	46.9500	5.0	0.32	50.0000	ND	93.9	35 - 133		
m,p-Xylene	92.9500	10	0.86	100.000	ND	93.0	38 - 130		
Methylene chloride	58.2400	5.0	3.4	50.0000	ND	116	26 - 137		
MTBE	79.4300	5.0	1.3	50.0000	ND	159	45 - 121		M2
n-Butylbenzene	48.5900	5.0	0.42	50.0000	ND	97.2	18 - 144		
n-Propylbenzene	42.7600	5.0	0.25	50.0000	ND	85.5	30 - 137		
Naphthalene	57.8000	5.0	0.50	50.0000	ND	116	14 - 137		
o-Xylene	93.6100	5.0	0.46	100.000	ND	93.6	41 - 129		
sec-Butylbenzene	44.8800	5.0	0.36	50.0000	ND	89.8	24 - 140		
Styrene	47.8800	5.0	0.38	50.0000	ND	95.8	41 - 125		
tert-Amyl methyl ether	64.7100	5.0	0.43	50.0000	ND	129	31 - 133		
tert-Butanol	490.330	100	7.4	250.000	ND	196	0 - 201		
tert-Butylbenzene	46.0500	5.0	0.33	50.0000	ND	92.1	30 - 134		
Tetrachloroethene	41.6800	5.0	0.31	50.0000	ND	83.4	37 - 130		
Toluene	86.1800	5.0	0.47	100.000	ND	86.2	45 - 122		
trans-1,2-Dichloroethene	54.6300	5.0	1.4	50.0000	ND	109	46 - 122		
trans-1,3-Dichloropropene	49.0900	5.0	0.48	50.0000	ND	98.2	44 - 124		



Certificate of Analysis

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San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/02/2019

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9J0033 - MSVOA_S (continued)

Matrix Spike (B9J0033-MS1) - Continued

Source: 1903554-01

Prepared: 10/2/2019 Analyzed: 10/2/2019

Trichloroethene	45.2200	5.0	0.64	50.0000	ND	90.4	36 - 142			
Trichlorofluoromethane	54.6700	5.0	0.79	50.0000	ND	109	37 - 135			
Vinyl acetate	103.5550	50	9.0	500.000	ND	20.7	0 - 136			
Vinyl chloride	55.5200	5.0	0.74	50.0000	ND	111	42 - 131			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>57.64</i>			<i>50.0000</i>		<i>115</i>	<i>60 - 145</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>50.90</i>			<i>50.0000</i>		<i>102</i>	<i>68 - 121</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>65.21</i>			<i>50.0000</i>		<i>130</i>	<i>65 - 137</i>			
<i>Surrogate: Toluene-d8</i>	<i>51.04</i>			<i>50.0000</i>		<i>102</i>	<i>82 - 119</i>			

Matrix Spike Dup (B9J0033-MSD1)

Source: 1903554-01

Prepared: 10/2/2019 Analyzed: 10/2/2019

1,1,1,2-Tetrachloroethane	46.6400	5.0	0.40	50.0000	ND	93.3	45 - 121	1.03	20	
1,1,1-Trichloroethane	58.3000	5.0	0.79	50.0000	ND	117	43 - 127	8.23	20	
1,1,2,2-Tetrachloroethane	35.5300	5.0	0.70	50.0000	ND	71.1	32 - 128	30.1	20	R
1,1,2-Trichloroethane	46.3600	5.0	0.57	50.0000	ND	92.7	45 - 121	4.35	20	
1,1-Dichloroethane	61.7900	5.0	0.63	50.0000	ND	124	46 - 119	10.4	20	M2
1,1-Dichloroethene	56.9600	5.0	2.9	50.0000	ND	114	40 - 130	6.41	20	
1,1-Dichloropropene	55.4000	5.0	0.26	50.0000	ND	111	45 - 130	16.7	20	
1,2,3-Trichloropropane	52.4800	5.0	0.72	50.0000	ND	105	42 - 124	5.44	20	
1,2,3-Trichlorobenzene	40.4900	5.0	0.57	50.0000	ND	81.0	4 - 135	26.7	20	R
1,2,4-Trichlorobenzene	40.2300	5.0	0.61	50.0000	ND	80.5	8 - 141	30.1	20	R
1,2,4-Trimethylbenzene	44.5700	5.0	1.0	50.0000	ND	89.1	30 - 136	0.938	20	
1,2-Dibromo-3-chloropropane	62.7200	10	1.2	50.0000	ND	125	38 - 132	14.1	20	
1,2-Dibromoethane	47.3100	5.0	0.28	50.0000	ND	94.6	45 - 121	5.85	20	
1,2-Dichlorobenzene	46.0300	5.0	0.45	50.0000	ND	92.1	30 - 125	4.77	20	
1,2-Dichloroethane	49.5500	5.0	0.88	50.0000	ND	99.1	51 - 115	8.30	20	
1,2-Dichloropropane	45.2900	5.0	0.67	50.0000	ND	90.6	50 - 118	30.3	20	R
1,3,5-Trimethylbenzene	45.6900	5.0	0.35	50.0000	ND	91.4	29 - 137	0.371	20	
1,3-Dichlorobenzene	44.3300	5.0	0.41	50.0000	ND	88.7	30 - 124	0.0902	20	
1,3-Dichloropropane	48.2000	5.0	0.49	50.0000	ND	96.4	49 - 116	0.0830	20	
1,4-Dichlorobenzene	43.9600	5.0	0.39	50.0000	ND	87.9	31 - 124	0.114	20	
2,2-Dichloropropane	58.1300	5.0	0.61	50.0000	ND	116	41 - 134	6.94	20	
2-Chlorotoluene	32.9100	5.0	0.26	50.0000	ND	65.8	32 - 127	25.9	20	R
4-Chlorotoluene	45.7300	5.0	0.20	50.0000	ND	91.5	34 - 124	1.01	20	
4-Isopropyltoluene	47.5900	5.0	0.28	50.0000	ND	95.2	26 - 141	1.57	20	
Benzene	91.1700	5.0	0.37	100.000	ND	91.2	48 - 117	12.4	20	
Bromobenzene	33.1200	5.0	0.44	50.0000	ND	66.2	40 - 117	25.7	20	R
Bromochloromethane	58.9600	5.0	0.99	50.0000	ND	118	48 - 117	7.08	20	M2
Bromodichloromethane	45.3700	5.0	0.58	50.0000	ND	90.7	49 - 115	27.1	20	R
Bromoform	47.6700	5.0	0.37	50.0000	ND	95.3	42 - 127	1.46	20	
Bromomethane	40.0200	5.0	4.7	50.0000	ND	80.0	19 - 157	13.1	20	
Carbon disulfide	55.4300	5.0	3.2	50.0000	ND	111	34 - 138	6.46	20	



Certificate of Analysis

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San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/02/2019

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9J0033 - MSVOA_S (continued)

Matrix Spike Dup (B9J0033-MSD1) - Continued

Source: 1903554-01

Prepared: 10/2/2019 Analyzed: 10/2/2019

Carbon tetrachloride	54.9000	5.0	0.65	50.0000	ND	110	43 - 130	15.0	20	
Chlorobenzene	44.4500	5.0	0.29	50.0000	ND	88.9	41 - 122	0.740	20	
Chloroethane	39.8700	5.0	4.0	50.0000	ND	79.7	32 - 145	13.8	20	
Chloroform	60.4400	5.0	0.75	50.0000	ND	121	46 - 118	10.3	20	M2
Chloromethane	44.4100	5.0	0.98	50.0000	ND	88.8	34 - 132	24.5	20	R
cis-1,2-Dichloroethene	58.3900	5.0	0.82	50.0000	ND	117	44 - 119	9.77	20	
cis-1,3-Dichloropropene	55.5000	5.0	0.22	50.0000	ND	111	44 - 126	1.29	20	
Di-isopropyl ether	65.3600	5.0	0.55	50.0000	ND	131	42 - 126	3.60	20	M2
Dibromochloromethane	49.0700	5.0	0.20	50.0000	ND	98.1	46 - 119	4.35	20	
Dibromomethane	47.2600	5.0	0.56	50.0000	ND	94.5	52 - 114	27.3	20	R
Dichlorodifluoromethane	35.3700	5.0	2.6	50.0000	ND	70.7	22 - 147	27.7	20	R
Ethyl Acetate	716.190	50	10	500.000	ND	143	9 - 140	154	20	M2, R
Ethyl Ether	723.820	50	20	500.000	ND	145	45 - 131	16.1	20	M2
Ethyl tert-butyl ether	90.8800	5.0	0.32	50.0000	ND	182	33 - 138	8.08	20	M2
Ethylbenzene	87.0200	5.0	0.26	100.000	ND	87.0	38 - 131	0.710	20	
Freon-113	57.8000	5.0	3.7	50.0000	ND	116	38 - 140	5.42	20	
Hexachlorobutadiene	35.5000	5.0	0.40	50.0000	ND	71.0	4 - 141	25.6	20	R
Isopropylbenzene	35.0100	5.0	0.32	50.0000	ND	70.0	35 - 133	29.1	20	R
m,p-Xylene	91.9000	10	0.86	100.000	ND	91.9	38 - 130	1.14	20	
Methylene chloride	59.5400	5.0	3.4	50.0000	ND	119	26 - 137	2.21	20	
MTBE	78.0800	5.0	1.3	50.0000	ND	156	45 - 121	1.71	20	M2
n-Butylbenzene	47.0100	5.0	0.42	50.0000	ND	94.0	18 - 144	3.31	20	
n-Propylbenzene	33.8000	5.0	0.25	50.0000	ND	67.6	30 - 137	23.4	20	R
Naphthalene	43.4000	5.0	0.50	50.0000	ND	86.8	14 - 137	28.5	20	R
o-Xylene	93.6400	5.0	0.46	100.000	ND	93.6	41 - 129	0.0320	20	
sec-Butylbenzene	46.2500	5.0	0.36	50.0000	ND	92.5	24 - 140	3.01	20	
Styrene	47.9100	5.0	0.38	50.0000	ND	95.8	41 - 125	0.0626	20	
tert-Amyl methyl ether	63.7600	5.0	0.43	50.0000	ND	128	31 - 133	1.48	20	
tert-Butanol	407.850	100	7.4	250.000	ND	163	0 - 201	18.4	20	
tert-Butylbenzene	46.7600	5.0	0.33	50.0000	ND	93.5	30 - 134	1.53	20	
Tetrachloroethene	42.5000	5.0	0.31	50.0000	ND	85.0	37 - 130	1.95	20	
Toluene	80.6800	5.0	0.47	100.000	ND	80.7	45 - 122	6.59	20	
trans-1,2-Dichloroethene	56.5600	5.0	1.4	50.0000	ND	113	46 - 122	3.47	20	
trans-1,3-Dichloropropene	46.3500	5.0	0.48	50.0000	ND	92.7	44 - 124	5.74	20	
Trichloroethene	47.1600	5.0	0.64	50.0000	ND	94.3	36 - 142	4.20	20	
Trichlorofluoromethane	47.6200	5.0	0.79	50.0000	ND	95.2	37 - 135	13.8	20	
Vinyl acetate	484.430	50	9.0	500.000	ND	96.9	0 - 136	130	20	R
Vinyl chloride	42.3900	5.0	0.74	50.0000	ND	84.8	42 - 131	26.8	20	R
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>56.24</i>			<i>50.0000</i>		<i>112</i>	<i>60 - 145</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>54.64</i>			<i>50.0000</i>		<i>109</i>	<i>68 - 121</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>67.79</i>			<i>50.0000</i>		<i>136</i>	<i>65 - 137</i>			



Certificate of Analysis

Stantec
 735 E. Carnegie Drive, Suite 280
 San Bernardino , CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/02/2019

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9J0033 - MSVOA_S (continued)

Matrix Spike Dup (B9J0033-MSD1) - Continued

Source: 1903554-01

Prepared: 10/2/2019 Analyzed: 10/2/2019

Surrogate: Toluene-d8 48.33 50.0000 96.7 82 - 119



Certificate of Analysis

Stantec

735 E. Carnegie Drive, Suite 280

San Bernardino, CA 92408

Project Number : CTR - Carson, 185804367

Report To : Brian Viggiano

Reported : 10/02/2019

Notes and Definitions

S1	Surrogate recovery was above laboratory acceptance limit. No associated target analyte was detected in the sample.
R	RPD value outside acceptance criteria. Calculation is based on raw values.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L3	Laboratory control sample outside in-house established limits but within method criteria.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.



CHAIN OF CUSTODY

Laboratory Project Number: 1903549

Page 1 of 1

Client Name/Address:		Project Manager:		Analysis Required		Turn Around Time:	
Stantec Consulting Services Inc. 735 E. Carnegie Drive, Suite 280 San Bernardino, CA 92408 909-335-6116		Brian Viggiano E-Mail Address: brian.viggiano@stantec.com Sampler Name: Mitchell Bohn		8015B (GRO - DRO - ORO)		Normal <input checked="" type="checkbox"/> 72 Hour: _____ 48 Hour: _____ 24 Hour: _____ Same Day: _____ Other: _____	
Laboratory: ATL 3275 Walnut Ave. Signal Hill, CA 800-499-4388		Stantec Project Number: 185804367		82608		Sample Temp °C: _____	
Project: CTR - Carson		Project: CTR - Carson		Filtered Sample		Special Instructions	
Sample Description/Identification	Sample Matrix	Preservative (see below)	# of Cont.	Sample Date	Sample Time		
MW1-5	Soil	1	1	9/26/19	0746	X	
MW1-10					0751	X	
MW1-15					0756	X	
MW1-20					0804	X	
MW1-25					0812	X	
MW1-30					0818	X	
MW1-35					0824	X	
MW1-40	Soil	1	1	9/26/19	0834	X	
MW1-45	Soil	1	1	9/26/19	0834	X	
MW-01	H2O	1, 2	3	9/26/19	1115	X	

Sample Preservative: 1=ICE - 2=HCl - 3=H2SO4 - 4=HNO3 - 5=NaOH - 6=Other: _____

Special Instructions: _____

Relinquished By	Date	Time	Received By + Company Name	Date	Time
	9/26/19	1310	Ferraro	9/26/19	1310
Relinquished By + Company Name:	Date	Time	Received By + Company Name:	Date	Time
Relinquished By + Company Name:	Date	Time	Received By + Company Name:	Date	Time

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Appendix C

Boring Logs

PROJECT: **CTR - Carson**
 LOCATION: **353 W. Gardena Blvd. Carson, CA**
 PROJECT NUMBER: **185804367**

WELL / PROBEHOLE / BOREHOLE NO:



MW-01 PAGE 1 OF 2

DRILLING: STARTED **9/26/19** COMPLETED: **9/26/19**
 INSTALLATION: STARTED **9/26/19** COMPLETED: **9/26/19**
 DRILLING COMPANY: **M&R Drilling Co.**
 DRILLING EQUIPMENT: **CME-95**
 DRILLING METHOD: **HSA**
 SAMPLING EQUIPMENT: **Split Spoon**

NORTHING (ft):
 LATITUDE:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **42.5 9/26/19**
 STATIC DTW (ft): **NE**
 WELL CASING DIAMETER (in): **2**
 LOGGED BY: **MFB**
 EASTING (ft):
 LONGITUDE:
 TOC ELEV (ft):
 BOREHOLE DEPTH (ft): **58.0**
 WELL DEPTH (ft): **57.0**
 BOREHOLE DIAMETER (in): **6**
 CHECKED BY: **BV**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID Method	Measured Recovery (ft.)	Blow Count	PID Reading (ppmv)	Depth (feet)	Well Construction
			Fine to coarse-grained; no staining; variable silt; minor debris and gravel							8" Traffic Rated Well Box set in Concrete
5		SM	SILTY SAND ; SM; 7.5YR 4/6 strong brown; fine to coarse-grained; non plastic; moist; no odor; no staining; some silt; trace fine gravel		0746 MW1-5 8260B	1 0.5	7 14	1.2	5	
10		SP-SM	POORLY GRADED SAND - SILTY SAND ; SP-SM; 7.5YR 3/4 dark brown; fine to coarse-grained; moist; no odor; no staining; little to some silt		0751 MW1-10 8260B	1 0.5	7 17 21	0.0	10	
15		SM	SILTY SAND ; SM; 7.5YR 4/4 brown; fine-grained; non plastic; moist; no odor; slight oxidation staining; some silt; trace medium sand		0756 MW1-15 8260B	1 0.5	9 15 20	0.0	15	
20		SM	SILTY SAND ; SM; 10YR 4/3 brown; fine-grained; non plastic; moist; no odor; no staining; some silt; few medium to coarse sand		0804 MW1-20 8260B	1 0.5	8 15 20	0.0	20	
25		SP-SM	POORLY GRADED SAND - SILTY SAND ; SP-SM; 10YR 4/4 dark yellowish brown; fine to medium-grained; moist; no odor; no staining; little to some silt		0812 MW1-25 8260B	1 0.5	11 15 18	0.0	25	
		SP	POORLY GRADED SAND ; SP; 10YR 5/3 brown; fine-grained; slightly moist; no odor;		0818	1	18 29			2" Dia. Sch. 40 PVC in Neat Cement Grout

GEO FORM 304 MW-01 BORING.GPJ STANTEC001.GDT 9/30/19

PROJECT: **CTR - Carson**
 LOCATION: **353 W. Gardena Blvd. Carson, CA**
 PROJECT NUMBER: **185804367**

WELL / PROBEHOLE / BOREHOLE NO:

MW-01 PAGE 2 OF 2



DRILLING: STARTED **9/26/19** COMPLETED: **9/26/19**
 INSTALLATION: STARTED **9/26/19** COMPLETED: **9/26/19**
 DRILLING COMPANY: **M&R Drilling Co.**
 DRILLING EQUIPMENT: **CME-95**
 DRILLING METHOD: **HSA**
 SAMPLING EQUIPMENT: **Split Spoon**

NORTHING (ft):
 LATITUDE:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **42.5 9/26/19**
 STATIC DTW (ft): **NE**
 WELL CASING DIAMETER (in): **2**
 LOGGED BY: **MFB**

EASTING (ft):
 LONGITUDE:
 TOC ELEV (ft):
 BOREHOLE DEPTH (ft): **58.0**
 WELL DEPTH (ft): **57.0**
 BOREHOLE DIAMETER (in): **6**
 CHECKED BY: **BV**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID Method	Measured Recovery (ft.)	Blow Count	PID Reading (ppmv)	Depth (feet)	Well Construction
			no staining; trace fines; trace medium sand		MW1-30 8260B	0.5	30	0.0		
35			SAME AS ABOVE ; few fines		0824 MW1-35 8260B	1 0.5	10 20 25	0.0	35	Hydrated Medium Bentonite Chip Annular Seal
40		CL	LEAN CLAY WITH SILT ; CL; 10YR 4/3 brown; medium plasticity; moist; no odor; no staining; low to medium dilatancy; trace to few fine sand		0834 MW1-40 8260B	1 0.5	5 8 11	0.0	40	
45		SP-SM	POORLY GRADED SAND - SILTY SAND ; SP-SM; 10YR 4/2 dark grayish brown; very fine to fine-grained; non plastic; moist to wet; no odor; no staining; little to some silt		--	1.5	7 20 23	0.0	45	
50		CL	LEAN CLAY WITH SILT ; CL; 10YR 5/3 brown; medium plasticity; wet; no odor; no staining; low to medium dilatancy; trace to few fine sand; trace fine gravel/caliche fragments		--	1.5	15 20 21	0.0	50	
55		SM	SILTY SAND ; SM; 10YR 4/3 brown; very fine to fine-grained; non plastic; wet; no odor; no staining; some silt		--	1.5	12 15 19	0.0	55	
			Hole terminated at 58 feet.							2" Dia. Sch. 40. PVC - 0.010" Slot in #2/12 Sand Filter Pack

PROJECT: **CTR - Carson**
 LOCATION: **353 W. Gardena Blvd. Carson, CA**
 PROJECT NUMBER: **185804367**

WELL / PROBEHOLE / BOREHOLE NO:



SB-13 PAGE 1 OF 1

DRILLING: STARTED **9/23/19** COMPLETED: **9/23/19**
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Interphase**
 DRILLING EQUIPMENT: **6600**
 DRILLING METHOD: **DPT**
 SAMPLING EQUIPMENT: **Jar/Acetate**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **30.5**
 STATIC DTW (ft): **NE** WELL DEPTH (ft): ---
 WELL CASING DIAMETER (in): --- BOREHOLE DIAMETER (in): **2.25**
 LOGGED BY: **MFB** CHECKED BY: **BV**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID Method	Measured Recovery (ft.)	Blow Count	PID Reading (ppmv)	Depth (feet)	Borehole Backfill
0 - 1		SM	Fine to coarse-grained; no staining; variable silt; minor debris and gravel		0911 SB-13-1 8015B	4		0.0	0	
1 - 5		SP-SM	SILT SAND ; SM; 7.5YR 5/4 brown; fine-grained; non plastic; dry; no odor; no staining; some silt; few medium to coarse sand; root fragments		0914 SB-13-3 8015B	4		0.0	1	
5 - 10		ML	POORLY GRADED SAND - SILTY SAND ; SP-SM; 5YR 4/4 reddish brown; fine to medium-grained; slightly moist; no odor; no staining; little to some silt; few coarse sand; trace root fragments		0927 SB-13-5 8015B 8260B	4		0.0	5	x3 1/4" Nylaflo tubing in Hydrated Granular Bentonite
10 - 15		SP	SILT WITH SAND ; ML; 7.5YR 4/6 strong brown; non plastic; slightly moist; no odor; no staining; few to little fine sand; trace medium sand; stiff		0929 SB-13-10 8260B	4		0.0	10	6" Dry Granular Bentonite 11" Penn Plax Filter in #3 Sand 6" Dry Granular Bentonite
15 - 20		SP	POORLY GRADED SAND ; SP; 7.5YR 5/4 brown; fine to medium-grained; moist; no odor; no staining; trace coarse sand; trace to few fines		0933 SB-13-15 8260B	4		0.0	15	x2 1/4" Nylaflo tubing in Hydrated Granular Bentonite
20 - 25		ML	SAME AS ABOVE ; fine-grained; moist; no odor; no staining; few medium sand; few fines; trace coarse sand		0938 SB-13-20 8260B	4		0.0	20	6" Dry Granular Bentonite 11" Penn Plax Filter in #3 Sand 6" Dry Granular Bentonite
25 - 30		ML	SILT WITH SAND ; ML; 7.5YR 5/4 brown; non plastic; moist; no odor; little fine sand; minor oxidation staining		0942 SB-13-25 8260B	4		0.0	25	1/4" Nylaflo tubing in Hydrated Granular Bentonite
30 - 30.5		SP	SILT ; ML; 10YR 4/4 dark yellowish brown; non plastic; moist; no odor; no staining; few fine sand		9047 SB-13-30 8260B	2.5		0.0	30	12" Dry Granular Bentonite 11" Penn Plax Filter in #3 Sand
30.5			POORLY GRADED SAND ; SP; 10YR 6/4 light yellowish brown; fine-grained; moist; no odor; no staining; trace to few fines; trace medium sand Hole terminated at 30.5 feet.							

GEO FORM 304 ADDNL_SB_BORINGS.GPJ STANTEC001.GDT 9/25/19

PROJECT: **CTR - Carson**
 LOCATION: **353 W. Gardena Blvd. Carson, CA**
 PROJECT NUMBER: **185804367**

WELL / PROBEHOLE / BOREHOLE NO:

SB-14 PAGE 1 OF 1



DRILLING: STARTED **9/23/19** COMPLETED: **9/23/19**
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Interphase**
 DRILLING EQUIPMENT: **6600**
 DRILLING METHOD: **DPT**
 SAMPLING EQUIPMENT: **Jar/Acetate**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **30.5**
 STATIC DTW (ft): **NE** WELL DEPTH (ft): ---
 WELL CASING DIAMETER (in): --- BOREHOLE DIAMETER (in): **2.25**
 LOGGED BY: **MFB** CHECKED BY: **BV**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID Method	Measured Recovery (ft.)	Blow Count	PID Reading (ppmv)	Depth (feet)	Borehole Backfill
0 - 1		SM	Fine to coarse-grained; no staining; variable silt; minor debris and gravel		1034 SB-14-1 8015B	4		0.0	0	
1 - 5		SP-SM	SILTY SAND ; SM; 7.5YR 4/4 brown; fine to coarse-grained; non plastic; dry; no odor; no staining; some silt; trace fine gravel; root fragments		1036 SB-14-3 8015B	4		0.0	0	
5 - 10		ML	POORLY GRADED SAND - SILTY SAND ; SP-SM; 5YR 4/4 reddish brown; fine to medium-grained; slightly moist; no odor; no staining; little to some silt; few coarse sand; trace root fragments		1041 SB-14-5 8015B 8260B	4		0.0	5	x3 1/4" Nylaflo tubing in Hydrated Granular Bentonite
10 - 15		SP	SILT WITH SAND ; ML; 7.5YR 4/6 strong brown; non plastic; slightly moist; no odor; no staining; few to little fine sand; trace medium sand; stiff		1043 SB-14-10 8260B	4		0.0	10	6" Dry Granular Bentonite
15 - 20		ML	POORLY GRADED SAND ; SP; 10YR 4/4 dark yellowish brown; fine to medium-grained; moist; no odor; no staining; few coarse sand; trace fine gravel; trace to few fines		1046 SB-14-15 8260B	4		0.0	15	x2 1/4" Nylaflo tubing in Hydrated Granular Bentonite
20 - 25		ML	SAME AS ABOVE ; 10YR 5/3 brown		1050 SB-14-20 8260B	4		0.0	20	6" Dry Granular Bentonite
25 - 30		ML	SILT WITH SAND ; ML; 10YR 4/3 brown; non plastic; moist; no odor; minor oxidation staining; few to little fine sand		1101 SB-14-25 8260B	4		0.0	25	11" Penn Plax Filter in #3 Sand
30 - 30.5		ML	SANDY SILT ; ML; 10YR 5/4 yellowish brown; non plastic; moist; no odor; no staining; some very fine to silt sand; trace medium sand		1118 SB-14-30 8260B	2.5		0.0	30	6" Dry Granular Bentonite
30.5 - 31		SP	POORLY GRADED SAND WITH SILT ; SP; 10YR 5/3 brown; very fine to fine-grained; moist; no odor; no staining; little silt; trace medium sand							1/4" Nylaflo tubing in Hydrated Granular Bentonite
31 - 30.5		SP	POORLY GRADED SAND ; SP; 10YR 6/4 light yellowish brown; very fine to fine-grained; slightly moist; no odor; no staining; few silt fines							12" Dry Granular Bentonite
30.5			Hole terminated at 30.5 feet.							11" Penn Plax Filter in #3 Sand

GEO FORM 304 ADDNL_SB_BORINGS.GPJ STANTEC001.GDT 9/25/19

PROJECT: **CTR - Carson**
 LOCATION: **353 W. Gardena Blvd. Carson, CA**
 PROJECT NUMBER: **185804367**

WELL / PROBEHOLE / BOREHOLE NO:

SB-15 PAGE 1 OF 1



DRILLING: STARTED **9/23/19** COMPLETED: **9/23/19**
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Interphase**
 DRILLING EQUIPMENT: **6600**
 DRILLING METHOD: **DPT**
 SAMPLING EQUIPMENT: **Jar/Acetate**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **30.5**
 STATIC DTW (ft): **NE** WELL DEPTH (ft): ---
 WELL CASING DIAMETER (in): --- BOREHOLE DIAMETER (in): **2.25**
 LOGGED BY: **MFB** CHECKED BY: **BV**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID Method	Measured Recovery (ft.)	Blow Count	PID Reading (ppmv)	Depth (feet)	Borehole Backfill
0 - 1		SM	Fine to coarse-grained; no staining; variable silt; minor debris and gravel		1228 SB-15-41 8015B	4		0.0	0	
1 - 2		SP-SM	SILTY SAND ; SM; 10YR 4/3 brown; fine to medium-grained; non plastic; dry; no odor; no staining; some silt; few coarse sand; ~20% glass, plastic and brick debris		1232 SB-15-3 8015B	4		0.0	1	
2 - 5		ML	POORLY GRADED SAND - SILTY SAND ; SP-SM; 5YR 4/4 reddish brown; fine to medium-grained; slightly moist; no odor; no staining; little to some silt; few coarse sand; trace root fragments		1241 SB-15-5 8015B 8260B	4		0.0	5	
5 - 10		SP	SILT WITH SAND ; ML; 7.5YR 4/6 strong brown; non plastic; slightly moist; no odor; no staining; few to little fine sand; trace medium sand; stiff		1243 SB-15-10 8260B	4		0.0	10	
10 - 15		SP	POORLY GRADED SAND WITH GRAVEL ; SP; 7.5YR 5/3 brown; fine to coarse-grained; dry to slightly moist; no odor; no staining; little fine to medium gravel; few fines		1246 SB-15-15 8260B	4		0.0	15	
15 - 20		ML	POORLY GRADED SAND ; SP; 10YR 6/3 pale brown; fine-grained; dry; no odor; no staining; trace to few medium sand; trace fines		1251 SB-15-20 8260B	4		0.0	20	
20 - 25		ML	SILT ; ML; 10YR 4/4 dark yellowish brown; non plastic; moist; no odor; no staining; minor oxidation staining; few to little very fine to fine sand		1258 SB-15-25 8260B	4		0.0	25	
25 - 30		ML	SAND WITH SAND ; ML; 7.5YR 4/4 brown; non plastic; moist; no odor; no staining; few to little fine to medium sand; soft		1300 SB-15-30 8260B	2.5		0.0	30	
30 - 30.5		SP	POORLY GRADED SAND ; SP; 10YR 6/4 light yellowish brown; very fine to fine-grained; slightly moist; no odor; no staining; few silt fines Hole terminated at 30.5 feet.						30.5	

GEO FORM 304 ADDNL_SB_BORINGS.GPJ STANTEC001.GDT 9/25/19

PROJECT: **CTR - Carson**
 LOCATION: **353 W. Gardena Blvd. Carson, CA**
 PROJECT NUMBER: **185804367**

WELL / PROBEHOLE / BOREHOLE NO:



SB-16 PAGE 1 OF 1

DRILLING: STARTED **9/23/19** COMPLETED: **9/23/19**
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Interphase**
 DRILLING EQUIPMENT: **6600**
 DRILLING METHOD: **DPT**
 SAMPLING EQUIPMENT: **Jar/Acetate**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **30.5**
 STATIC DTW (ft): **NE** WELL DEPTH (ft): ---
 WELL CASING DIAMETER (in): --- BOREHOLE DIAMETER (in): **2.25**
 LOGGED BY: **MFB** CHECKED BY: **BV**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID Method	Measured Recovery (ft.)	Blow Count	PID Reading (ppmv)	Depth (feet)	Borehole Backfill
0 - 5		SM	Fine to coarse-grained; no staining; variable silt; minor debris and gravel SILTY SAND ; SM; 10YR 4/3 brown; fine to medium-grained; non plastic; dry; no odor; no staining; some silt; few coarse sand		1338 SB-16-1 8015B	4		0.0		
5 - 10		SM	SILTY SAND ; SM; 7.5YR 4/4 brown; fine to medium-grained; non plastic; dry; no odor; no staining; some silt; few coarse sand		1343 SB-16-3 8015B			0.0		
10 - 15		SM	SILTY SAND ; SM; 7.5YR 3/3 dark brown; fine-grained; non plastic; moist; no odor; no staining; some silt; few to little medium sand; trace coarse sand		1350 SB-16-5 8015B 8260B	4		0.0	5	
15 - 20		SP	POORLY GRADED SAND ; SP; 7.5YR 5/4 brown; fine-grained; moist; no odor; no staining; few medium sand; trace coarse sand; few fines		1353 SB-16-10 8260B	4		0.0	10	
20 - 25		ML	SAME AS ABOVE ; fine to coarse-grained SILT WITH SAND ; ML; 7.5YR 3/3 dark brown; non plastic; moist; no odor; no staining; little fine sand; trace medium sand		1355 SB-16-15 8260B	4		0.0	15	
25 - 30		ML	SILT ; ML; 7.5YR 4/4 brown; non plastic; moist; no odor; no staining; few very fine to fine sand; trace medium sand		1358 SB-16-20 8260B	4		0.0	20	
30 - 30.5		ML-SM	SANDY SILT - SILTY SAND ; ML-SM; 10YR 5/3 brown; non plastic; moist; no odor; no staining; ~50% silt/fine sand; high dilatancy		1401 SB-16-25 8260B	4		0.0	25	
30.5		SP	POORLY GRADED SAND ; SP; 10YR 6/4 light yellowish brown; very fine to fine-grained; slightly moist; no odor; no staining; few silt fines Hole terminated at 30.5 feet.		1403 SB-16-30 8260B	2.5		0.0	30	

GEO FORM 304 ADDNL_SB_BORINGS.GPJ STANTEC001.GDT 9/25/19

PROJECT: **CTR - Carson**
 LOCATION: **353 W. Gardena Blvd. Carson, CA**
 PROJECT NUMBER: **185804367**

WELL / PROBEHOLE / BOREHOLE NO:

SB-17 PAGE 1 OF 1



DRILLING: STARTED **9/24/19** COMPLETED: **9/24/19**
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Interphase**
 DRILLING EQUIPMENT: **6600**
 DRILLING METHOD: **DPT**
 SAMPLING EQUIPMENT: **Jar/Acetate**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **30.5**
 STATIC DTW (ft): **NE** WELL DEPTH (ft): ---
 WELL CASING DIAMETER (in): --- BOREHOLE DIAMETER (in): **2.25**
 LOGGED BY: **MFB** CHECKED BY: **BV**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID Method	Measured Recovery (ft.)	Blow Count	PID Reading (ppmv)	Depth (feet)	Borehole Backfill
0 - 5		SP-SM SM	Fine to coarse-grained; no staining; variable silt; minor debris and gravel POORLY GRADED SAND - SILTY SAND ; SP-SM; 7.5YR 4/3 brown; fine to coarse-grained; non plastic; dry; no odor; no staining; little to some silt; few fine gravel; root fragments SILTY SAND ; SM; 7.5YR 3/3 dark brown; fine-grained; non plastic; moist; no odor; no staining; some silt; few medium sand; trace coarse sand and fine gravel SAME AS ABOVE ; no coarse sand or gravel		0703 SB-17-1 8015B 0708 SB-17-3 8015B 0721 SB-17-5 8015B 8260B	4 4		0.0 5	x3 1/4" Nylaflo tubing in Hydrated Granular Bentonite 6" Dry Granular Bentonite 11" Penn Plax Filter in #3 Sand 6" Dry Granular Bentonite	
5 - 10		SP	POORLY GRADED SAND WITH SILT ; SP; 10YR 4/4 dark yellowish brown; fine-grained; moist; no odor; no staining; little silt; trace medium sand		0724 SB-17-10 8260B	4		0.0	10	x2 1/4" Nylaflo tubing in Hydrated Granular Bentonite
10 - 15		SP	POORLY GRADED SAND ; SP; 10YR 5/3 brown; fine to coarse-grained; moist; no odor; no staining; few fines; few fine gravel		0727 SB-17-15 8260B	4		0.0	15	6" Dry Granular Bentonite 11" Penn Plax Filter in #3 Sand 6" Dry Granular Bentonite
15 - 20		SM	SILTY SAND ; SM; 10YR 4/3 brown; very fine to fine-grained; non plastic; moist; no odor; no staining; some silt; trace medium sand		0729 SB-17-20 8260B	4		0.0	20	
20 - 25		ML	SANDY SILT ; ML; 10YR 4/3 brown; non plastic; moist; no odor; slight oxidation staining; some fine sand; high to moderate dilatancy; trace clay		0935 SB-17-25 8260B	4		0.0	25	1/4" Nylaflo tubing in Hydrated Granular Bentonite
25 - 30.5		SP	POORLY GRADED SAND ; SP; 10YR 6/3 pale brown; fine-grained; moist; no odor; no staining; loose; trace medium sand; trace to few fines Hole terminated at 30.5 feet.		0738 SB-17-30 8260B	2.5		0.0	30	12" Dry Granular Bentonite 11" Penn Plax Filter in #3 Sand

GEO FORM 304 ADDNL_SB_BORINGS.GPJ STANTEC001.GDT 9/25/19

PROJECT: **CTR - Carson**
 LOCATION: **353 W. Gardena Blvd. Carson, CA**
 PROJECT NUMBER: **185804367**

WELL / PROBEHOLE / BOREHOLE NO:

SB-18 PAGE 1 OF 1



DRILLING: STARTED **9/24/19** COMPLETED: **9/24/19**
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Interphase**
 DRILLING EQUIPMENT: **6600**
 DRILLING METHOD: **DPT**
 SAMPLING EQUIPMENT: **Jar/Acetate**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **30.5**
 STATIC DTW (ft): **NE** WELL DEPTH (ft): ---
 WELL CASING DIAMETER (in): --- BOREHOLE DIAMETER (in): **2.25**
 LOGGED BY: **MFB** CHECKED BY: **BV**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID Method	Measured Recovery (ft.)	Blow Count	PID Reading (ppmv)	Depth (feet)	Borehole Backfill	
5		SM	Fine to coarse-grained; no staining; variable silt; minor debris and gravel SILTY SAND ; SM; 5YR 3/3 dark reddish brown; fine-grained; non plastic; slightly moist; no odor; no staining; some silt; few medium sand; brick fragments; trace fine gravel SAME AS ABOVE ; fine to medium-grained; few brick fragments	0809 SB-18-1 8015B	4	0.0				← x3 1/4" Nylaflo tubing in Hydrated Granular Bentonite	
		SP-SM	POORLY GRADED SAND - SILTY SAND ; SP-SM; 5YR 4/3 reddish brown; fine-grained; non plastic; moist; no odor; no staining; very stiff/hard; little to some silt	0812 SB-18-3 8015B							
		10	SP	POORLY GRADED SAND WITH SILT ; SP; 7.5YR 4/6 strong brown; fine-grained; moist; no odor; no staining; little silt; trace medium sand	0818 SB-18-5 8015B	4	0.0				← 6" Dry Granular Bentonite ← 11" Penn Plax Filter in #3 Sand ← 6" Dry Granular Bentonite
					0820 SB-18-10 8260B						
					0822 SB-18-15 8260B						
		15	SP	POORLY GRADED SAND ; SP; 7.5YR 5/4 brown; fine-grained; moist; no odor; no staining; few medium sand; trace to few coarse sand; few fines	0825 SB-18-20 8260B	4	0.0				← 6" Dry Granular Bentonite ← 11" Penn Plax Filter in #3 Sand ← 6" Dry Granular Bentonite
					0828 SB-18-25 8260B						
		20	SM	SILTY SAND ; SM; 7.5YR 4/4 brown; very fine to fine-grained; non plastic; moist; no odor; no staining; some silt	0831 SB-18-30 8260B	4	0.0				← 1/4" Nylaflo tubing in Hydrated Granular Bentonite
		25	ML	SANDY SILT ; ML; 10YR 4/3 brown; non plastic; moist; no odor; slight oxidation staining; some fine sand; high to moderate dilatancy; trace clay		4	0.0				
30	SP	POORLY GRADED SAND ; SP; 7.5YR 6/3 light brown; fine-grained; moist; no odor; no staining; trace medium to coarse sand; trace fines Hole terminated at 30.5 feet.		2.5	0.0				← 12" Dry Granular Bentonite ← 11" Penn Plax Filter in #3 Sand		

GEO FORM 304 ADDNL_SB_BORINGS.GPJ STANTEC001.GDT 9/25/19

**VAPOR INTRUSION HUMAN HEALTH
RISK ASSESSMENT REPORT**

317 to 353 West Gardena Boulevard,
Carson, California
Stantec Project No: 185804367



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February 28, 2020

EXECUTIVE SUMMARY

The Property consists of approximately 6.78 acres of land developed with two residential structures (317 and 325 West Gardena Boulevard), a salvage yard, and a fenced vacant lot used for storage of miscellaneous items (353 West Gardena Boulevard). The Property has a mailing address within the city of Gardena; however, the actual location of the Property is within the city of Carson.

Surrounding properties are a mix of commercial and light industrial uses. The property is under consideration for redevelopment as a commercial use warehouse including approximately 6,000 square feet of office space on the ground floor and the balance of the building open warehouse space. Stantec Consulting Services Inc. (Stantec) was requested to perform this vapor intrusion human health risk assessment to evaluate potential adverse health effects to future occupants of the warehouse resulting from the transport of chemicals detected in the subsurface to indoor air. The general Site layout is depicted on **Figure 2**.

Potential risks were evaluated under a reasonable maximum exposure (RME) scenario consistent with United States Environmental Protection Agency (U.S. EPA), and Cal-EPA guidance. Risks were evaluated on a sample point-by-point basis to provide a complete profile of potential cancer risks (CR) and non-cancer hazards (expressed as a Hazard Index or HI) associated with soil vapor at the Site. This approach facilitates consideration of locations of potential unacceptable risk within the proposed building footprint where mitigation is warranted.

Potential risks resulting from vapor intrusion were evaluated using the current Water Board human health risk-based screening levels derived using an attenuation factor of 0.03 with the following results:

Risks at 5-ft BGS using 0.03 Attenuation Factor

The cumulative CR estimates for samples collected at 5-foot bgs ranged from **3E-04** at SB-14-5 to **2E-06** at SBV-13. Two samples were estimated to be at or above the upper bound of the risk range (1E-04). Note that PCE was the primary contributor to CR estimates.

The non-cancer HI estimates for all samples were below the target HI of 1.

Risks at 15-ft BGS using 0.03 Attenuation Factor

The cumulative CR estimates for samples collected at 15-foot bgs ranged from **9E-04** at SB-14-15 to **2E-06** at SB-19-15. Three samples were estimated to be at or above the upper bound of the risk range (1E-04). Note that PCE was the primary contributor to CR estimates.

The non-cancer HI estimates for all samples were below the target HI of 1.

Risks at 30-ft BGS using 0.03 Attenuation Factor

The cumulative CR estimates for samples collected at 30-foot bgs ranged from **1E-03** at SB-13-30 to **3E-06** at SB-9-30. Six samples were estimated to be at or above the upper bound of the risk range (1E-04). Note that PCE was the primary contributor to CR estimates.

The non-cancer HI estimates for all samples were below the target HI of 1.

Potential risks resulting from vapor intrusion were also evaluated using the current DTSC human health risk-based soil vapor screening levels derived using an attenuation factor of 0.0005 for future commercial use buildings with the following results:

Risks at 5-ft BGS using 0.0005 Attenuation Factor

The cumulative CR estimates for samples collected at 5-foot bgs ranged from **6E-06** at SB-14-5 to **1E-07** at SB-18-5. No samples were estimated to be at or above the upper bound of the risk range (1E-04) and all samples were below the commercial use benchmark of 1E-05. Note that PCE was the primary contributor to CR estimates.

The non-cancer HI estimates for all samples were below the target HI of 1.

Risks at 15-ft BGS using 0.0005 Attenuation Factor

The cumulative CR estimates for samples collected at 15-foot bgs ranged from **1E-05** at SB-14-15 to **4E-08** at SB-9-15. No samples were estimated to be at or above the upper bound of the risk range (1E-04) and all samples were below the commercial use benchmark of 1E-05. Note that PCE was the primary contributor to CR estimates.

The non-cancer HI estimates for all samples were below the target HI of 1.

Risks at 30-ft BGS using 0.0005 Attenuation Factor

The cumulative CR estimates for samples collected at 30-foot bgs ranged from **2E-05** at SB-13-30 to **5E-08** at SB-9-30. No samples were estimated to be at or above the upper bound of the risk range (1E-04) and all samples were either below or slightly above the commercial use benchmark of 1E-05. Note that PCE was the primary contributor to CR estimates.

The non-cancer HI estimates for all samples were below the target HI of 1.

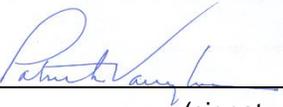
Recommendations

Recommendations have been developed based on application of the current DTSC human health risk-based soil vapor screening levels using a default attenuation factor of 0.0005 for future commercial buildings. This is because according to the Water Board, the 0.03 attenuation factor is to be applied to all soil vapor results regardless of depth and assumes uniform attenuation from the source to the building environment which is directly contradicted by the empirical results of the soil vapor sampling conducted at the Site. Use of the DTSC attenuation factor indicates that risks at all sample depths are at or below the commercial use benchmark of 1×10^{-5} .

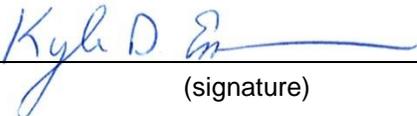
Allowing for the inherent uncertainties associated with future soil vapor transport and actual building construction it is recommended that areas of the warehouse overlying PCE in soil vapor as noted in this risk assessment, where extended occupancy is anticipated (e.g., the proposed office in the southeast portion of the building) be constructed with a passive vapor mitigation system designed by a licensed engineer and designed to mitigate the contaminants identified at the Site. Placement of a below-slab vapor barrier, without passive venting, in other areas of the proposed building is recommended.

Sign-off Sheet

This VAPOR INTRUSION HUMAN HEALTH RISK ASSESSMENT REPORT was prepared by Stantec Consulting Services Inc. (Stantec) for CTR Realty Investors and Clarion Partners Acquisitions, LLC. The material in it reflects Stantec's best judgment in light of the information available to it at the time of preparation. Any use which a third party makes of this report, or any reliance on or decisions made based on it, are the responsibilities of such third parties. Stantec accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

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VAPOR INTRUSION HUMAN HEALTH RISK ASSESSMENT REPORT

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Abbreviations

AF	attenuation factor
AT	averaging time
ATc	carcinogenic averaging time
ATn	non-carcinogenic averaging time
bgs	below ground surface
Cal-EPA	California Environmental Protection Agency
CDI	chronic daily intake
CDIc	chronic daily intake for cancer effects
CDIn	chronic daily intake for non-cancer effects
COPC	chemical of potential concern
CSM	conceptual site model
DCE	dichloroethene
DTSC	Department of Toxic Substances Control
DTSC-SL	DTSC-modified screening level
EPC	exposure point concentration
HERO	Human and Ecological Risk Office
HHRA	human health risk assessment
HI	hazard index
HQ	hazard quotient
IRIS	Integrated Risk Information System
IUR	inhalation unit risk
J&E	Johnson and Ettinger
LECR	lifetime excess cancer risk
MCL	maximum contaminant level
MW	monitoring well

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OEHHA	Office of Environmental Health Hazard Assessment
PCE	tetrachloroethene
RAGS	Risk Assessment Guidance for Superfund
REL	reference exposure level
RfD	reference dose
RfC	reference concentration
RME	reasonable maximum exposure
RSL	regional screening level
LARWQCB	Los Angeles Regional Water Quality Control Board
SF	slope factor
TCDB	Toxicity Criteria Database
TCE	trichloroethene
U.S. EPA	U.S. Environmental Protection Agency
VOC	volatile organic compound

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1.0 INTRODUCTION

1.1 OVERVIEW OF APPROACH

The risk assessment (RA) approach used to conduct this VIHHR is conservative in order to minimize the possibility of underestimating potential human health risks. To ensure a health protective (i.e., conservative) approach, a reasonable maximum exposure (RME) scenario was evaluated for the identified receptors. Risks and hazards were estimated using a deterministic approach developed based on site information that identifies potential receptors and potentially complete exposure pathways for risk characterization.

1.2 ORGANIZATION OF REPORT

The remainder of the VIHHR Report is organized as follows:

- Section 2.0 Background
- Section 3.0 Vapor Intrusion Human Health Risk Assessment
- Section 4.0 References

2.0 BACKGROUND

2.1 SITE DESCRIPTION AND OPERATIONS

The Property consists of approximately 6.78 acres of land developed with two residential structures (317 and 325 West Gardena Boulevard), a salvage yard, and a fenced vacant lot used for storage of miscellaneous items (353 West Gardena Boulevard). The Property has a mailing address within the city of Gardena; however, the actual location of the Property is within the city of Carson. Surrounding properties are a mix of commercial and light industrial uses.

The general Site layout is depicted on **Figure 2**.

2.1.1 SITE GEOLOGY AND HYDROGEOLOGY

The Property is located in the Los Angeles Basin within the Peninsular Ranges Geomorphic Province of southern California, which includes northwest-southeast trending series of mountainous ridges and peaks that have been developed by the San Andreas Fault System (California Division of Mines and Geology [CDMG], 1969). The stratigraphy underlying the Property consists primarily of recent-age marine and nonmarine clastic rock units interbedded with alluvium sediments (CDMG, 1969). Part of the central sub-basin of the coastal plain, the regional geology is shaped by local geological fault systems creating associated folded rocks and uplifts. According to official maps of California, the Property is not located within an Alquist-Priolo (AP) Earthquake Fault Zone boundary nor within a liquefaction zone (DOGGR, 2018).

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According to a January 17, 2019 *Supplemental Characterization Report* prepared by Braun Intertec for the CPI Carson Facility located approximately 230 feet to the west, surface sediments are comprised of unconsolidated marine and continental gravel, sand, sandy silt, silt, clay and shale pebbles. Lakewood Formation sediments reportedly extend 70 to 90 feet below ground surface (bgs).

The Property is located within the West Coast sub-basin of the Coastal Plain of Los Angeles Basin, which underlies most of the area between the Dominguez gap of the Los Angeles River to the Alamitos gap of the San Gabriel River to the San Pedro Bay. The basin is constrained by the Ballona Escarpment to the north, Newport-Inglewood fault zone to the east, and the Pacific Ocean and consolidated rocks on the south and west (Department of Water Resources [DWR], 2004). The basin consists of alluvial sediments and marine water-bearing sediments (DWR, 2004).

According to a January 17, 2019 *Supplemental Characterization Report* prepared by Braun Intertec for the CPI Carson Facility located approximately 230 feet to the west, groundwater in the vicinity is reported at a depth of approximately 40 to 42 feet bgs with a groundwater flow direction for the area to be to the east-southeast.

2.2 PAST ASSESSMENT

The ANCO facility to the west and directly up gradient of the Property has a known release of various volatile organic compounds (VOCs) to the soil and groundwater. This impact has migrated in groundwater below the Property and it appears based on soil vapor data in the overlying soil in the vapor phase. As noted by Stantec in their Phase I Environmental Site Assessment (ESA) as reported in June 2019, the existing groundwater and soil-vapor impacts beneath the subsurface of the Property and surrounding vicinity are considered a recognized environmental condition (REC) to the Property. Groundwater monitoring and remediation activities are currently ongoing and overseen by the Los Angeles Regional Water Quality Control Board (Regional Board) concerning the adjacent ANCO facility to the west. Based on a review of the groundwater assessment completed by the ANCO environmental consultant, no further assessment of groundwater was recommended; however, Stantec recommended evaluation of soil vapor beneath the Property to determine whether vapor intrusion mitigation measures will be necessary for Site redevelopment.

July 2019 Soil Vapor Assessment

As result of the Phase I ESA findings, Stantec was retained to perform a Phase II ESA for the Property. The Phase II ESA was conducted between July 15 and July 23, 2019 and included dividing the property into approximately 12 equal area grids and placing a soil boring in the center of each grid to screen the Site for potential impacts to the Property. At each boring location (SB-1 through SB-12) soil samples were collected at depths of one, three, five and subsequent five-foot intervals to the total explored depth of up to 30 feet below ground surface (bgs). Shallow soil samples were collected at one and three feet bgs and analyzed for the presence of total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), Title 22 metals, and pesticides following appropriate EPA Test methods to screen the Site for surficial releases from historical Site usages, including agricultural usage.

The laboratory did not report the presence of VOCs above detection levels. Metals were all reported within expected background levels. Certain pesticides were detected at several shallow (one foot below ground

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surface) sample locations, all below commercial and residential screening levels. Total petroleum hydrocarbons (TPH) in the diesel and oil ranges were detected at moderately low levels in shallow soils (less than five (5) in depth at several locations on the Property. Therefore, no impact has been identified on the Property that would be a source to the identified groundwater impacts, or at levels that would require remedial action.

Following completion of each boring, the boreholes were converted to soil vapor monitoring points with probes set at depths of approximately five (5), 15 and 25 or 30 feet bgs depending on the terminal depth of the boring.

Tetrachloroethene (PCE) was reported in soil vapor samples analyzed from borings SB-9, SB-11 and SB-12, located in the southwest corner of the Property, at concentrations ranging from 60 to 11,000 ug/m³, with the highest concentration reported in sample SB-12-30. All other vapor sample locations did not detect VOCs in the analyzed soil vapors samples. At each of the three referenced boring locations, concentrations were lowest in the sample collected at five feet bgs and were higher in samples collected at depth. With the exception of sample SB-9-5, all soil vapor samples collected at these three boring locations reported concentrations of PCE in excess of the commercial DTSC HERO Note 3 modified indoor air screening level (MIASL) of 66.7 ug/m³, using a default attenuation factor of 0.03.

Trichloroethene (TCE) was reported in one sample (SB-12-30) at a concentration of 100 ug/m³. The reported concentration is equal to the commercial DTSC HERO Note 3 MIASL (0.03 attenuation factor). TCE was not reported in any other analyzed samples above laboratory reporting limits.

September 2019 Soil Vapor Assessment

The Regional Board reviewed the results of the July 2019 soil vapor sampling and concluded that there may be a source of chlorinated compounds in the southwest corner of the Site. To further evaluate this, in September 2019 Stantec collected installed an additional six soil borings (SB-13 through SB-18). Soil or soil vapor samples were collected at each boring from depths of 5-, 15-, and 30-foot bgs and submitted for analysis of VOCs by EPA Method 8260 using an on-Site mobile laboratory. No VOCs were detected in the soil samples analyzed. This data reconfirmed that no site source for VOCs in soil has been identified on the Property.

Tetrachloroethene (PCE) was reported in all analyzed soil vapor samples at concentrations ranging from 430 ug/m³ to 95,000 ug/m³, with the highest concentration reported in sample SB-14-30. Except for boring SB-15, where similar concentrations were reported at all depths, concentrations increased with depth at each boring location, with the lowest concentrations generally reported in the five-foot sample and the highest concentration reported in the 30-foot sample.

Trichloroethene (TCE) was reported in samples analyzed from soil borings SB-13, SB14 and SB- 18 at concentrations ranging from 30 ug/m³ to 640 ug/m³, with the highest concentration reported in sample SB-14-30. At all three boring locations, concentrations increased with depth with highest concentrations reported in the samples collected at 30 feet bgs.

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3.0 VAPOR INTRUSION HUMAN HEALTH RISK ASSESSMENT

3.1 EXPOSURE ASSESSMENT

Exposure is defined in the USEPA risk assessment guidelines as the contact of a receptor with a chemical or physical agent (USEPA, 1989 and 1992a). The goal of the exposure assessment is to identify and quantify known and hypothetical exposure pathways relevant to an assessment of human health risk at a Site, and to determine the quantities or exposure doses or exposure concentrations of COPCs received by the potentially exposed populations.

3.1.1 SOIL VAPOR RISK ASSESSMENT DATASET

Soil vapor samples were collected from depths of 5-feet, 15-feet and 30-feet bgs at 18 locations in July and September 2019. Soil vapor data collected from these locations were used to evaluate a reasonable maximum exposure (RME) scenario on a point-by-point basis under the proposed future commercial use. The soil vapor dataset is provided in **Table 1**.

3.1.2 Identification of Chemicals of Potential Concern (COPCs)

Ten VOCs (PCE, TCE, benzene, ethylbenzene, toluene, xylenes, n-propylbenzene, sec-butylbenzene and 1,2,4- and 1,3,5-trimethyl benzene) were detected at least once in soil vapor and have been selected as COPCs and carried forward for quantitative evaluation (see **Table 1**).

3.2 SELECTION OF TOXICITY VALUES

Potential toxic effects of chemicals are generally classified as carcinogenic (i.e., cancer causing), or non-carcinogenic (i.e., non-cancer health effects). These endpoints are separately quantified in HHRAs as cancer risks and non-cancer health effects, respectively. Toxicity values numerically express the magnitude of potential toxic effects of chemicals. Reference doses (RfDs) and reference concentrations (RfCs) are used to quantify non-cancer health effects, and cancer slope factors (SFs) and inhalation unit risks (IURs) are used to quantify cancer risks. Both cancer and non-cancer endpoints may be evaluated for carcinogenic chemicals depending on the chemicals' toxic effects and availability of RfDs/RfCs.

In accordance with the September 4, 2018, *Toxicity Criteria for Human Health Risk Assessments, Screening Levels, and Remediation Goals* rule, (California Code of Regulations, title 22, Chapter 50 Section 68400.5 and Chapter 51 Sections 69020, 69021, and 69022), the following hierarchy of toxicity sources were used in preparing this VIHHA:

- OEHHA peer-reviewed unit risk factors and chronic reference exposure levels as provided in the OEHHA Toxicity Criteria Database, or where not provided.
- USEPA Integrated Risk Information System (IRIS).

For COPCs, listed in both sources, the more conservative (protective) toxicity values from the most current version of the U.S. EPA RSL tables (U.S. EPA November 2019) or the Toxicity Criteria Database (TCDB; CalEPA, last searched in January 2020) were used.

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3.3 EXPOSURE POINT CONCENTRATIONS

The Exposure Point Concentration (EPC) is the concentration of a COPC that could be contacted by a receptor during the assumed duration of exposure. EPCs for soil vapor represent either the chemical concentration or for chemicals reported as not-detected, the laboratory reporting limit, on a sample point-by-point basis.

3.4 HUMAN HEALTH RISK-BASED SCREENING LEVELS

This VIHHRA used screening levels calculated using standardized equations that combine conservative exposure assumptions with U.S. EPA or Cal/EPA toxicity data. U.S. EPA Regional Screening Levels (RSLs) are concentrations that the U.S. EPA considers to be protective of human health (including sensitive groups) over a lifetime. These values are intended to be protective; however, they are calculated without site-specific information and are not always applicable for every site.

The EPA maintains a list of RSLs which are updated semi-annually (i.e., spring and fall). RSLs are risk-based concentrations derived from standardized equations developed for U.S. EPA's Superfund program.

Cal/EPA Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) maintains a list of screening levels established for ambient (indoor) air that are presented in Human Health Risk Assessment (HHRA Note 3). The most recent version, released in April 2019, makes recommendations on the use of U.S. EPA RSLs for tap water, soil and air (both for residential and industrial/commercial use) and provides alternate values to be used in lieu of RSLs for some compounds (Cal/EPA 2019). HERO Note 3 includes tables for compounds with air screening levels specific to California. For chemicals not listed, the EPA RSLs should be used.

Screening levels for soil vapor are not provided by DTSC in HERO Note 3 but may be calculated by dividing the indoor air screening level by the applicable DTSC default attenuation factor (DTSC 2011) in this case 0.0005.

Soil vapor screening levels are provided by the California Regional Water Quality Control Board-San Francisco Bay Region as soil vapor Environmental Screening Levels (ESLs) that are derived by dividing the indoor air ESL by their default attenuation factor of 0.03 which is used by U.S. EPA in their vapor intrusion screening level (VISL) calculator. The 0.03 attenuation factor was intended to be used to screen out sites where vapor intrusion is not likely. As noted by U.S. EPA exceedance of a screening level based on 0.03 indicates only that further evaluation (sub-slab soil vapor sampling or indoor air testing) is warranted; conditions that are not possible for currently undeveloped properties (EPA 2015). It is also noted that DTSC in their latest HHRA Note 3 recommends that screening vapor intrusion assessments also evaluate an attenuation factor of 0.03 for sub-slab soil vapor and "near-source" soil vapor to assist with risk management decisions.

3.5 FURTHER EVALUATION OF ATTENUATION FACTORS AND EPCS

Exceedance of soil vapor screening levels for some COPCs derived using a soil vapor to indoor air attenuation factor of 0.03 indicates the potential for VOCs in the vapor phase to move from the subsurface

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to indoor air. This single attenuation factor is used in the EPA VISL¹ (EPA 2018) to initially screen out sites which do not require further evaluation of potential vapor intrusion (EPA 2015). This single attenuation factor is now used for initial screening of sites for potential vapor intrusion by agencies within the state of California and guidance on its intended use has recently been issued in draft form (DTSC 2020). EPA has stated that subsurface screening levels are intended to be conservative and likely overestimate contribution by subsurface chemicals to indoor air (EPA 2015).

The proposed warehouse has not yet been constructed and as such, the vapor intrusion pathway was also evaluated using the Johnson and Ettinger (J&E) subsurface vapor intrusion model. As noted by EPA, “when suitably constructed, documented, and verified, mathematical models can provide an acceptable line-of-evidence supporting risk management decisions pertaining to vapor intrusion” and in the case of future construction on currently vacant properties, “it is particularly useful to employ mathematical modeling to predict reasonable maximum indoor air concentrations because indoor air testing is not possible” (EPA 2015). The objective of the modeling was to determine the appropriate range of attenuation factors (0.03 used by EPA and Water Board or 0.0005 used by DTSC) to assist with Site risk management decisions.

The EPA J&E version 6.0 model was used since it incorporates information developed as part of the June 2015 *OSWER Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air*. Due to considerable uncertainty and debate about appropriate values for $Q_{soil}/Q_{building}$, model outputs (e.g., attenuation factors, and indoor air concentrations) which are dependent on $Q_{soil}/Q_{building}$, are provided as a range based on minimum and maximum values reported in literature (EPA 2017).

Use of range estimates also reduces possible reliance on single estimated indoor air concentrations and risk estimates (such as provided in the DTSC soil gas screening model) as absolute values.

The EPA J&E model allows for use of three different soil strata and multiple, readily measurable inputs to tailor the model to site-specific conditions.

The J&E ver. 6.0 model is provided as a Microsoft Excel spreadsheet constructed of eight primary workbooks:

1. MODEL (all model inputs and data entry for single chemical of interest).
2. MULTI_CHEM_INPUT (chemical and concentration data for multiple chemicals).
3. MULTI_CHEM_OUTPUT (complete summary of all inputs, modeled sub-slab soil vapor concentrations, attenuation factors, predicted indoor air concentrations, toxicity factors, and ranges of risk estimates for multiple chemicals).
4. CONVERTER (converts between English and metric units for selected inputs); and

¹ Based solely on a limited database of 41 sites and 900 buildings (3 sites in northern California were included but with different lithologies than reported at the property under evaluation) where paired sub-slab soil vapor, exterior soil vapor, groundwater and indoor air data were available). The VISL is intended to provide only screening levels and risk estimates based on a generic attenuation factor and does not consider site-specific conditions.

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5. BLDG_DATA (default values for building-related parameters for multiple foundation types and acceptable ranges if user elects to modify default values).
6. CHEM_DATA (existing chemical physical properties and toxicity values which are user modifiable [e.g., using OEHHHA peer reviewed toxicity values vs. EPA]).
7. EXPOSURE_DATA (current exposure assumptions for residential and commercial receptors)
8. SOIL_DATA (default soil properties by SCS soil type).

Key Model Assumptions:

1. Contaminant vapors enter the structure primarily through cracks and openings in walls and foundation.
2. Vapor-phase diffusion dominates vapor transport between the source and the building zone of influence.
3. Convective transport is most significant in the region close to a building foundation (e.g., the building zone of influence) and the flow rate is unaffected by location.
4. The contaminant is homogenously distributed within each soil strata included in the zone of contamination.
5. The aerial extent of contamination is greater than the area of the building floor in contact with soil.
6. Both the building ventilation rate and difference in dynamic pressure between the interior of the building and the soil surface are assumed to be constant values.

Model Inputs

The J&E vapor intrusion model requires characterization of several building-specific parameters including building size, floor length and width, slab thickness, crack fraction (ratio of crack to building area), ventilation rate and volumetric flow rate of soil gas into the building. However, since the design for proposed residential structures has not been finalized, except for ($Q_{soil}/Q_{building}$) described above, model-default values except for building size and ceiling height, were used for these parameters.

Soil boring logs for all borings located on the Property indicate that silty sand is present from the near surface to a depth of at least 15-feet. According to the Johnson & Ettinger (J&E) vapor intrusion model users guide (EPA 2004), since the models use the U.S. Soil Conservation Service (SCS) Soil Texture Classification System, soils logged using the Unified Soil Classification System must be converted to an SCS soil type. Accordingly, loam was selected as the predominant soil type at all borings for use in the model.

Modeling Results

Attenuation factors predicted by the model ranged from 0.000023 to 0.000029 for samples collected at 30-foot bgs, and 0.0002 to 0.000067 for the samples collected at 5-foot bgs. These values are one order of magnitude lower than those empirically derived by Stantec for similar size buildings and at least one order of magnitude lower than the default DTSC attenuation factor. Accordingly, Stantec determined that the DTSC attenuation factor (0.0005) is appropriately conservative for estimating a range of vapor intrusion risks based on current Site conditions.

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3.6 RISK CHARACTERIZATION

For this VIHRA, potential human health risks associated with the estimated exposure to the COPCs in soil vapor were quantified using a comparison of the concentration of each chemical on a sample point-by-point basis, to carcinogenic and non-carcinogenic screening levels defined either as the more protective of U.S. EPA's RSL for commercial land use or the DTSC-modified SLs for commercial use presented in HHRA Note 3 (Cal/EPA 2019) which are based on a target Cancer Risk (CR) of 1E-06 and an hazard index (HI) = 1.

Theoretical cancer risks and non-cancer hazard quotients (HQs) for each chemical in soil vapor were quantified by multiplying the ratio of each detected chemical concentration or LRL, if the LRL exceeded the screening level, to the carcinogenic or non-carcinogenic screening level by the target CR or HQ as follows:

For carcinogenic chemicals:

$$CR = (\text{maximum concentration}) / (\text{screening level concentration}) \times (1E-06 \text{ or } 0.000001)$$

For non-carcinogenic chemicals:

$$HQ = (\text{maximum concentration}) / (\text{screening level concentration})$$

Ratios of the concentration of a particular chemical in soil vapor to its risk-based concentration were calculated and then summed regardless of toxic endpoint across all chemicals and media to estimate a total CR and non-cancer HI for each sample location.

3.7 RISK CHARACTERIZATION RESULTS

This section presents the results of the risk characterization which integrates the results of the toxicity and exposure assessments to estimate potential cancer risk (CR) and non-cancer hazard index (HI) associated with exposure to COPCs at the Site.

Various demarcations of acceptable risk have been established by regulatory agencies. EPA considers that under most situations, cancer risks in the range of one-in-one million (1×10^{-6} or 1E-06) to one-in-ten thousand (1×10^{-4} or 1E-04) may be considered acceptable with cancer risks less than 1E-06 considered *de minimus*. For vapor intrusion, Cal-EPA guidance (Cal-EPA, 2011) indicates that cumulative risk between 1E-06 and 1E-04 fall within a risk management range where further evaluation, remediation or mitigation may be considered. A CR greater than 1E-04 indicates that mitigation and/or remediation is needed. For commercial use properties a benchmark of one-in-one hundred thousand (1×10^{-5}) is used.

Soil vapor risk characterization results for hypothetical future commercial workers potentially exposed via inhalation of soil vapor entering the building air above individual sampling locations using an attenuation factor of 0.03 are provided in **Tables 2, 3, and 4** for samples collected at 5-feet, 15-feet and 30-feet bgs respectively.

Tables 5, 6, and 7 present the risks estimated using the DTSC default attenuation factor of 0.0005 for future commercial buildings for samples collected at 5-, 15, and 30 feet bgs respectively.

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Risks at 5-ft BGS using 0.03 Attenuation Factor

The cumulative CR estimates for samples collected at 5-foot bgs ranged from **3E-04** at SB-14-5 to **2E-06** at SBV-13. Two samples were estimated to be at or above the upper bound of the risk range (1E-04). Note that PCE was the primary contributor to CR estimates.

The non-cancer HI estimates for all samples were below the target HI of 1.

Risks at 15-ft BGS using 0.03 Attenuation Factor

The cumulative CR estimates for samples collected at 15-foot bgs ranged from **9E-04** at SB-14-15 to **2E-06** at SB-19-15. Three samples were estimated to be at or above the upper bound of the risk range (1E-04). Note that PCE was the primary contributor to CR estimates.

The non-cancer HI estimates for all samples were below the target HI of 1.

Risks at 30-ft BGS using 0.03 Attenuation Factor

The cumulative CR estimates for samples collected at 30-foot bgs ranged from **1E-03** at SB-13-30 to **3E-06** at SB-9-30. Six samples were estimated to be at or above the upper bound of the risk range (1E-04). Note that PCE was the primary contributor to CR estimates.

The non-cancer HI estimates for all samples were below the target HI of 1.

Risks at 5-ft BGS using 0.0005 Attenuation Factor

The cumulative CR estimates for samples collected at 5-foot bgs ranged from **6E-06** at SB-14-5 to **1E-07** at SB-18-5. No samples were estimated to be at or above the upper bound of the risk range (1E-04) and all samples were below the commercial use benchmark of 1E-05. Note that PCE was the primary contributor to CR estimates.

The non-cancer HI estimates for all samples were below the target HI of 1.

Risks at 15-ft BGS using 0.0005 Attenuation Factor

The cumulative CR estimates for samples collected at 15-foot bgs ranged from **1E-05** at SB-14-15 to **4E-08** at SB-9-15. No samples were estimated to be at or above the upper bound of the risk range (1E-04) and all samples were below the commercial use benchmark of 1E-05. Note that PCE was the primary contributor to CR estimates.

The non-cancer HI estimates for all samples were below the target HI of 1.

Risks at 30-ft BGS using 0.0005 Attenuation Factor

The cumulative CR estimates for samples collected at 30-foot bgs ranged from **2E-05** at SB-13-30 to **5E-08** at SB-9-30. No samples were estimated to be at or above the upper bound of the risk range (1E-04) and two samples were just above the commercial use benchmark of 1E-05. Note that PCE was the primary contributor to CR estimates.

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The non-cancer HI estimates for all samples were below the target HI of 1.

3.8 FINDINGS

In July and September 2019, Stantec collected soil vapor samples at 18 locations across the property, from depths of 5, 15, and 30 feet below the ground surface at each location.

A range of potential vapor intrusion risks was estimated by comparing all results against human health risk-based soil vapor screening levels derived by dividing indoor air screening levels representing no unacceptable cancer risk or non-cancer hazards established either by DTSC or the U.S. Environmental Protection Agency for commercial use properties, by either an attenuation factor of 0.03 or the DTSC default attenuation factor 0.0005 for future commercial buildings.

The highest estimated potential cancer risks are associated with soil vapor samples collected at and near the southwest corner of the proposed warehouse building (samples SB-9 and SB-11 through SB-18). No chlorinated compounds were detected at other sampled locations.

A substantial reservoir of PCE in soil vapor that is available for transport into a future building is present at least at 30-feet below the ground surface in the southwest corner of the property. Concentrations of PCE decrease with shallower depths.

3.9 RECOMMENDATIONS

Recommendations have been developed based on application of the current DTSC human health risk-based soil vapor screening levels using a default attenuation factor of 0.0005 for future commercial buildings. This is because according to the Water Board, the 0.03 attenuation factor is to be applied to all soil vapor results regardless of depth and assumes uniform attenuation from the source to the building environment which is directly contradicted by the empirical results of the soil vapor sampling conducted at the Site. Use of the DTSC attenuation factor indicates that risks at all sample depths are at or below the commercial use benchmark of 1×10^{-5} .

Allowing for the inherent uncertainties associated with future soil vapor transport and actual building construction it is recommended that areas of the warehouse overlying PCE in soil vapor as noted in this risk assessment, where extended occupancy is anticipated (e.g., the proposed office in the southeast portion of the building) be constructed with a passive vapor mitigation system designed by a licensed engineer and designed to mitigate the contaminants identified at the Site. Placement of a below-slab vapor barrier without passive venting in other areas of the proposed building is recommended.

3.10 UNCERTAINTY ASSESSMENT

In general, uncertainties in the HHRA process are essentially the accumulated uncertainties associated with the methodologies used in estimating the health risk results (EPA 1989). They are the product of many factors affecting each component of the HHRA process. These factors generally include, at a minimum, measurement errors, conservative exposure and modeling assumptions, and uncertainty and variability of the values used in the assessment. Specific uncertainties associated with this VIHHRA include:

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- ❑ Since the proposed building has not been constructed, the actual transport of chemicals in the subsurface into the building cannot be determined using accepted sub-slab soil vapor and indoor air sampling.
- ❑ The effects of placement of a building concrete slab over existing soil vapor impacts cannot be currently evaluated but may include accumulation of chemicals of concern at higher than anticipated concentrations immediately below the slab.
- ❑ According to the Water Board, the attenuation factor of 0.03 is to be applied regardless of depth of sample and assumes that attenuation is constant throughout the soil. This is contrary to the empirical data collected at the Site at depths of 5-, 15-, and 30-feet bgs.
- ❑ The assumption that individuals within a receptor population (or subpopulation) will receive the same intake doses. Variability in parameters such as absorption rate, inhalation rate, frequency and duration of exposure, body weight, and activity pattern will exist even in a narrowly defined age group or identified sensitive subpopulation (EPA, 1992).
- ❑ It is assumed that contaminant concentrations will not decline over time due to source depletion, ongoing remedial activities and anticipated grading which may facilitate direct transport of deeper soil vapor to the atmosphere prior to construction of the proposed warehouse.

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4.0 REFERENCES

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Stantec Consulting Services, Inc. (Stantec), 2019, Phase I Environmental Site Assessment, 317 to 352 West Gardena Boulevard, Carson, California, dated July 1.

Stantec Consulting Services, Inc. (Stantec), 2019, Continued Phase II Environmental Site Assessment, 317 to 352 West Gardena Boulevard, Carson, California, dated October 30.

United States Geological Survey (USGS), 1981, Torrance, 7.5 Minute Topographic Map, Scale 1 inch = 2,400 feet.

TABLES

**TABLE 1
SUMMARY OF SOIL VAPOR VOC ANALYTICAL RESULTS
EPA Method 8260B**

Sample ID	Sample Date	Volatile Organic Compounds (ug/m ³)														Other VOCs
		Benzene	Isopropyl benzene	4-Isopropyltoluene	Trichloroethene (TCE)	Toluene	Tetrachloroethene (PCE)	Trichlorofluoromethane (Freon-11)	Ethylbenzene	Total Xylenes	n-Propylbenzene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene	sec-butylbenzene	p-Isopropyltoluene	
DTSC HERO Note 3 MIASL (0.03 Attenuation Factor) ⁽¹⁾		14.0	NE	NE	NE	43,333	66.7	176,667	NE	NE	NE	NE	NE	60,000	NE	varies
US EPA Region 9 MIASL (0.03 Attenuation Factor) ⁽²⁾		53	NE	NE	100	733,333	1,567	NE	163	14,667	NE	8,667	8,667	NE	NE	varies
SB-1-5'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-1-14'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-1-30'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-2-5'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	80	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-2-14'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	80	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-2-30'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-3-5'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	80	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-3-15'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-3-30'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-4-5'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-4-15'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-4-25'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-5-5'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-5-15'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-5-25'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-6-5'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-6-5'DUP	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-6-15'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-6-30'	7/23/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-7-5'	7/22/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	80	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-7-15'	7/22/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-7-30'	7/22/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-8-5'	7/22/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-8-15'	7/22/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	80	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-8-30'	7/22/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	80	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-9-5'	7/22/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	60	ND<15.0	50	80	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-9-15'	7/22/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	80	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-9-30'	7/22/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	100	ND<15.0	50	80	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-10-5'	7/22/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-10-5'DUP	7/22/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-10-15'	7/22/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-10-30'	7/22/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various

**TABLE 1
SUMMARY OF SOIL VAPOR VOC ANALYTICAL RESULTS
EPA Method 8260B**

Sample ID	Sample Date	Volatile Organic Compounds (ug/m ³)														
		Benzene	Isopropyl benzene	4-Isopropyltoluene	Trichloroethene (TCE)	Toluene	Tetrachloroethene (PCE)	Trichlorofluoromethane (Freon-11)	Ethylbenzene	Total Xylenes	n-Propylbenzene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene	sec-butylbenzene	p-Isopropyltoluene	Other VOCs
DTSC HERO Note 3 MIASL (0.03 Attenuation Factor) ⁽¹⁾		14.0	NE	NE	NE	43,333	66.7	176,667	NE	NE	NE	NE	NE	60,000	NE	varies
US EPA Region 9 MIASL (0.03 Attenuation Factor) ⁽²⁾		53	NE	NE	100	733,333	1,567	NE	163	14,667	NE	8,667	8,667	NE	NE	varies
SB-11-5'	7/22/2019	60	ND<15.0	ND<15.0	ND<15.0	80	170	ND<15.0	60	110	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	trans-1,2-DCE: 30
SB-11-15'	7/22/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	1,800	40	50	90	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-11-30'	7/22/2019	ND<10.8	ND<15.0	ND<15.0	ND<15.0	ND<15.0	480	ND<15.0	ND<15.0	ND<45.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-12-5'	7/22/2019	80	120	170	ND<15.0	360	150	ND<15.0	470	2160	140	100	220	130	166	ND<various
SB-12-15'	7/22/2019	50	ND<15.0	70	ND<15.0	ND<15.0	4,200	80	60	100	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-12-30'	7/22/2019	ND<10.8	ND<15.0	ND<15.0	100	ND<15.0	11,000	ND<15.0	ND<15.0	80	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<15.0	ND<various
SB-13-5	9/27/2019	ND<9.0	ND<12.5	ND<12.5	ND<12.5	ND<12.5	11,000	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<varies
SB-13-15	9/27/2019	ND<9.0	ND<12.5	ND<12.5	60	ND<12.5	39,000	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<varies
SB-13-30	9/27/2019	ND<9.0	ND<12.5	ND<12.5	380	ND<12.5	90,000	190	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<varies
SB-14-5	9/27/2019	ND<9.0	ND<12.5	ND<12.5	30	ND<12.5	22,000	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<varies
SB-14-15	9/27/2019	ND<9.0	ND<12.5	ND<12.5	230	ND<12.5	58,000	70	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<varies
SB-14-30	9/27/2019	ND<9.0	ND<12.5	ND<12.5	640	ND<12.5	95,000	300	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<12.5	ND<varies
SB-15-5	9/27/2019	ND<46.8	ND<65	ND<65	ND<65	ND<65	6,300	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<varies
SB-15-15	9/27/2019	ND<46.8	ND<65	ND<65	ND<65	ND<65	4,300	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<varies
SB-15-30	9/27/2019	ND<46.8	ND<65	ND<65	ND<65	ND<65	5,300	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<varies
SB-16-5	9/27/2019	ND<46.8	ND<65	ND<65	ND<65	ND<65	990	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<varies
SB-16-15	9/27/2019	ND<46.8	ND<65	ND<65	ND<65	ND<65	1,500	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<varies
SB-16-30	9/27/2019	ND<46.8	ND<65	ND<65	ND<65	ND<65	15,000	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<65	ND<varies
SB-17-5	9/27/2019	ND<18	ND<25	ND<25	ND<25	ND<25	980	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<varies
SB-17-15	9/27/2019	ND<18	ND<25	ND<25	ND<25	ND<25	5,600	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<varies
SB-17-30	9/27/2019	ND<18	ND<25	ND<25	ND<25	ND<25	11,000	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<varies
SB-18-5	9/27/2019	ND<18	ND<25	ND<25	ND<25	ND<25	430	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<varies
SB-18-15	9/27/2019	ND<18	ND<25	ND<25	ND<25	ND<25	11,000	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<varies
SB-18-30	9/27/2019	ND<18	ND<25	ND<25	50	ND<25	19,000	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<varies
SB-18-30 DUP	9/27/2019	ND<18	ND<25	ND<25	40 J	ND<25	20,000	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<varies

All reported concentrations reported in units of micrograms per cubic meter (ug/m³)

(1) Commercial/ Industrial DTSC HERO HHRA Note #3 (April 2019)

(2) Commercial Screening Level (SL) USEPA Region 9 Regional Screening Levels (RSL - April 2019)

ND< : Results reported below Method Detection Limit.

CalEPA - California Environmental Protection Agency

DTSC - Department of Toxic Substance Control

HERO - Human and Ecological Risk Office Human Health Risk Assessment

4,200 - red indicates screening level exceedance

TABLE 2
SUMMARY OF SOIL VAPOR Risk @5-ft AF = 0.03

SB-9-5						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	10.8	RL	14	7.7E-07	--
Trichloroethene(TCE)	79-01-6	15	RL	100	1.5E-07	--
Toluene	108-88-3	15	RL	44,000	nc	3.41E-04
Tetrachloroethene(PCE)	127-18-4	60		67	9.0E-07	--
Ethylbenzene	100-41-4	50		160	3.1E-07	--
Total Xylenes	1330-20-7	80		15000	nc	5.33E-03
n-Propylbenzene	103-65-1	15	RL	146,600	nc	1.02E-04
1,3,5-Trimethylbenzene	107-67-8	15	RL	8,600	nc	1.74E-03
1,2,4-Trimethylbenzene	526-73-8	15	RL	8,600	nc	1.74E-03
sec-butylbenzene	135-98-8	15	RL	1800	nc	8.33E-03
Total					2.E-06	1.8E-02

SB-11-5						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	60		14	4.3E-06	--
Trichloroethene(TCE)	79-01-6	15	RL	100	1.5E-07	--
Toluene	108-88-3	80		44,000	nc	1.82E-03
Tetrachloroethene(PCE)	127-18-4	170		67	2.5E-06	--
Ethylbenzene	100-41-4	60		160	3.8E-07	--
Total Xylenes	1330-20-7	110		15000	nc	7.33E-03
n-Propylbenzene	103-65-1	15	RL	146,600	nc	1.02E-04
1,3,5-Trimethylbenzene	107-67-8	15	RL	8,600	nc	1.74E-03
1,2,4-Trimethylbenzene	526-73-8	15	RL	8,600	nc	1.74E-03
sec-butylbenzene	135-98-8	15	RL	1800	nc	8.33E-03
Total					7.E-06	2.1E-02

SB-12-5						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	80		14	5.7E-06	--
Trichloroethene(TCE)	79-01-6	15	RL	100	1.5E-07	--
Toluene	108-88-3	360		44,000	nc	8.18E-03
Tetrachloroethene(PCE)	127-18-4	150		67	2.2E-06	--
Ethylbenzene	100-41-4	470		160	2.9E-06	--
Total Xylenes	1330-20-7	2160		15000	nc	1.44E-01
n-Propylbenzene	103-65-1	140		146,600	nc	9.55E-04
1,3,5-Trimethylbenzene	107-67-8	100		8,600	nc	1.16E-02
1,2,4-Trimethylbenzene	526-73-8	220		8,600	nc	2.56E-02
sec-butylbenzene	135-98-8	130		1800	nc	7.22E-02
Total					1.E-05	2.6E-01

SB-13-5						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	9.0	RL	14	6.4E-07	--
Trichloroethene(TCE)	79-01-6	12.5	RL	100	1.3E-07	--
Toluene	108-88-3	12.5	RL	44,000	nc	2.84E-04
Tetrachloroethene(PCE)	127-18-4	11,000		67	1.6E-04	--
Ethylbenzene	100-41-4	12.5	RL	160	7.8E-08	--
Total Xylenes	1330-20-7	12.5	RL	15000	nc	8.33E-04
n-Propylbenzene	103-65-1	12.5	RL	146,600	nc	8.53E-05
1,3,5-Trimethylbenzene	107-67-8	12.5	RL	8,600	nc	1.45E-03
1,2,4-Trimethylbenzene	526-73-8	12.5	RL	8,600	nc	1.45E-03
sec-butylbenzene	135-98-8	12.5	RL	1800	nc	6.94E-03
Total					2.E-04	1.1E-02

SB-14-5						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	9.0	RL	14	6.4E-07	--
Trichloroethene(TCE)	79-01-6	30		100	3.0E-07	--
Toluene	108-88-3	12.5	RL	44,000	nc	2.84E-04
Tetrachloroethene(PCE)	127-18-4	22,000		67	3.3E-04	--
Ethylbenzene	100-41-4	12.5	RL	160	7.8E-08	--
Total Xylenes	1330-20-7	12.5	RL	15000	nc	8.33E-04
n-Propylbenzene	103-65-1	12.5	RL	146,600	nc	8.53E-05
1,3,5-Trimethylbenzene	107-67-8	12.5	RL	8,600	nc	1.45E-03
1,2,4-Trimethylbenzene	526-73-8	12.5	RL	8,600	nc	1.45E-03
sec-butylbenzene	135-98-8	12.5	RL	1800	nc	6.94E-03
Total					3.E-04	1.1E-02

SB-15-5						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	46.8	RL	14	3.3E-06	--
Trichloroethene(TCE)	79-01-6	65	RL	100	6.5E-07	--
Toluene	108-88-3	65	RL	44,000	nc	1.48E-03
Tetrachloroethene(PCE)	127-18-4	6,300		67	9.4E-05	--
Ethylbenzene	100-41-4	65	RL	160	4.1E-07	--
Total Xylenes	1330-20-7	65	RL	15000	nc	4.33E-03
n-Propylbenzene	103-65-1	65	RL	146,600	nc	4.43E-04
1,3,5-Trimethylbenzene	107-67-8	65	RL	8,600	nc	7.56E-03
1,2,4-Trimethylbenzene	526-73-8	65	RL	8,600	nc	7.56E-03
sec-butylbenzene	135-98-8	65	RL	1800	nc	3.61E-02
Total					1.E-04	5.7E-02

SB-16-5						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	46.8	RL	14	3.3E-06	--
Trichloroethene(TCE)	79-01-6	65	RL	100	6.5E-07	--
Toluene	108-88-3	65	RL	44,000	nc	1.48E-03
Tetrachloroethene(PCE)	127-18-4	990		67	1.5E-05	--
Ethylbenzene	100-41-4	65	RL	160	4.1E-07	--
Total Xylenes	1330-20-7	65	RL	15000	nc	4.33E-03
n-Propylbenzene	103-65-1	65	RL	146,600	nc	4.43E-04
1,3,5-Trimethylbenzene	107-67-8	65	RL	8,600	nc	7.56E-03
1,2,4-Trimethylbenzene	526-73-8	65	RL	8,600	nc	7.56E-03
sec-butylbenzene	135-98-8	65	RL	1800	nc	3.61E-02
Total					2.E-05	5.7E-02

SB-17-5						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	18	RL	14	1.3E-06	--
Trichloroethene(TCE)	79-01-6	25	RL	100	2.5E-07	--
Toluene	108-88-3	25	RL	44,000	nc	5.68E-04
Tetrachloroethene(PCE)	127-18-4	980		67	1.5E-05	--
Ethylbenzene	100-41-4	25	RL	160	1.6E-07	--
Total Xylenes	1330-20-7	25	RL	15000	nc	1.67E-03
n-Propylbenzene	103-65-1	25	RL	146,600	nc	1.71E-04
1,3,5-Trimethylbenzene	107-67-8	25	RL	8,600	nc	2.91E-03
1,2,4-Trimethylbenzene	526-73-8	25	RL	8,600	nc	2.91E-03
sec-butylbenzene	135-98-8	25	RL	1800	nc	1.39E-02
Total					2.E-05	2.2E-02

SB-18-5						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	18	RL	14	1.3E-06	--
Trichloroethene(TCE)	79-01-6	25	RL	100	2.5E-07	--
Toluene	108-88-3	25	RL	44,000	nc	5.68E-04
Tetrachloroethene(PCE)	127-18-4	430		67	6.4E-06	--
Ethylbenzene	100-41-4	25	RL	160	1.6E-07	--
Total Xylenes	1330-20-7	25	RL	15000	nc	1.67E-03
n-Propylbenzene	103-65-1	25	RL	146,600	nc	1.71E-04
1,3,5-Trimethylbenzene	107-67-8	25	RL	8,600	nc	2.91E-03
1,2,4-Trimethylbenzene	526-73-8	25	RL	8,600	nc	2.91E-03
sec-butylbenzene	135-98-8	25	RL	1800	nc	1.39E-02
Total					8.E-06	2.2E-02

TABLE 3
SUMMARY OF SOIL VAPOR RISK @15-ft AF = 0.03

SB-9-15						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	10.8	RL	14	7.7E-07	--
Trichloroethene(TCE)	79-01-6	15	RL	100	1.5E-07	--
Toluene	108-88-3	15	RL	44,000	nc	3.41E-04
Tetrachloroethene(PCE)	127-18-4	80		67	1.2E-06	--
Ethylbenzene	100-41-4	15	RL	160	9.4E-08	--
Total Xylenes	1330-20-7	45		15000	nc	3.00E-03
n-Propylbenzene	103-65-1	15	RL	146,600	nc	1.02E-04
1,3,5-Trimethylbenzene	107-67-8	15	RL	8,600	nc	1.74E-03
1,2,4-Trimethylbenzene	526-73-8	15	RL	8,600	nc	1.74E-03
sec-butylbenzene	135-98-8	15	RL	1800	nc	8.33E-03
Total					2.E-06	1.5E-02

SB-11-15						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	10.8		14	7.7E-07	--
Trichloroethene(TCE)	79-01-6	15	RL	100	1.5E-07	--
Toluene	108-88-3	15	RL	44,000	nc	3.41E-04
Tetrachloroethene(PCE)	127-18-4	1,800		67	2.7E-05	--
Ethylbenzene	100-41-4	50		160	3.1E-07	--
Total Xylenes	1330-20-7	90		15000	nc	6.00E-03
n-Propylbenzene	103-65-1	15	RL	146,600	nc	1.02E-04
1,3,5-Trimethylbenzene	107-67-8	15	RL	8,600	nc	1.74E-03
1,2,4-Trimethylbenzene	526-73-8	15	RL	8,600	nc	1.74E-03
sec-butylbenzene	135-98-8	15	RL	1800	nc	8.33E-03
Total					3.E-05	1.8E-02

SB-12-15						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	50		14	3.6E-06	--
Trichloroethene(TCE)	79-01-6	15	RL	100	1.5E-07	--
Toluene	108-88-3	15	RL	44,000	nc	3.41E-04
Tetrachloroethene(PCE)	127-18-4	4,200		67	6.3E-05	--
Ethylbenzene	100-41-4	60		160	3.8E-07	--
Total Xylenes	1330-20-7	100		15000	nc	6.67E-03
n-Propylbenzene	103-65-1	15	RL	146,600	nc	1.02E-04
1,3,5-Trimethylbenzene	107-67-8	15	RL	8,600	nc	1.74E-03
1,2,4-Trimethylbenzene	526-73-8	15	RL	8,600	nc	1.74E-03
sec-butylbenzene	135-98-8	15	RL	1800	nc	8.33E-03
Total					7.E-05	1.9E-02

SB-13-15						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	9	RL	14	6.4E-07	--
Trichloroethene(TCE)	79-01-6	60		100	6.0E-07	--
Toluene	108-88-3	12.5	RL	44,000	nc	2.84E-04
Tetrachloroethene(PCE)	127-18-4	39,000		67	5.8E-04	--
Ethylbenzene	100-41-4	12.5	RL	160	7.8E-08	--
Total Xylenes	1330-20-7	12.5	RL	15000	nc	8.33E-04
n-Propylbenzene	103-65-1	12.5	RL	146,600	nc	8.53E-05
1,3,5-Trimethylbenzene	107-67-8	12.5	RL	8,600	nc	1.45E-03
1,2,4-Trimethylbenzene	526-73-8	12.5	RL	8,600	nc	1.45E-03
sec-butylbenzene	135-98-8	12.5	RL	1800	nc	6.94E-03
Total					6.E-04	1.1E-02

SB-14-15						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	9	RL	14	6.4E-07	--
Trichloroethene(TCE)	79-01-6	230		100	2.3E-06	--
Toluene	108-88-3	12.5	RL	44,000	nc	2.84E-04
Tetrachloroethene(PCE)	127-18-4	58,000		67	8.7E-04	--
Ethylbenzene	100-41-4	12.5	RL	160	7.8E-08	--
Total Xylenes	1330-20-7	12.5	RL	15000	nc	8.33E-04
n-Propylbenzene	103-65-1	12.5	RL	146,600	nc	8.53E-05
1,3,5-Trimethylbenzene	107-67-8	12.5	RL	8,600	nc	1.45E-03
1,2,4-Trimethylbenzene	526-73-8	12.5	RL	8,600	nc	1.45E-03
sec-butylbenzene	135-98-8	12.5	RL	1800	nc	6.94E-03
Total					9.E-04	1.1E-02

SB-15-15						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	46.8	RL	14	3.3E-06	--
Trichloroethene(TCE)	79-01-6	65	RL	100	6.5E-07	--
Toluene	108-88-3	65	RL	44,000	nc	1.48E-03
Tetrachloroethene(PCE)	127-18-4	4,300		67	6.4E-05	--
Ethylbenzene	100-41-4	65	RL	160	4.1E-07	--
Total Xylenes	1330-20-7	65	RL	15000	nc	4.33E-03
n-Propylbenzene	103-65-1	65	RL	146,600	nc	4.43E-04
1,3,5-Trimethylbenzene	107-67-8	65	RL	8,600	nc	7.56E-03
1,2,4-Trimethylbenzene	526-73-8	65	RL	8,600	nc	7.56E-03
sec-butylbenzene	135-98-8	65	RL	1800	nc	3.61E-02
Total					7.E-05	5.7E-02

SB-16-15						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	46.8	RL	14	3.3E-06	--
Trichloroethene(TCE)	79-01-6	65	RL	100	6.5E-07	--
Toluene	108-88-3	65	RL	44,000	nc	1.48E-03
Tetrachloroethene(PCE)	127-18-4	1,500		67	2.2E-05	--
Ethylbenzene	100-41-4	65	RL	160	4.1E-07	--
Total Xylenes	1330-20-7	65	RL	15000	nc	4.33E-03
n-Propylbenzene	103-65-1	65	RL	146,600	nc	4.43E-04
1,3,5-Trimethylbenzene	107-67-8	65	RL	8,600	nc	7.56E-03
1,2,4-Trimethylbenzene	526-73-8	65	RL	8,600	nc	7.56E-03
sec-butylbenzene	135-98-8	65	RL	1800	nc	3.61E-02
Total					3.E-05	5.7E-02

SB-17-15						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	18	RL	14	1.3E-06	--
Trichloroethene(TCE)	79-01-6	25	RL	100	2.5E-07	--
Toluene	108-88-3	25	RL	44,000	nc	5.68E-04
Tetrachloroethene(PCE)	127-18-4	5,600		67	8.4E-05	--
Ethylbenzene	100-41-4	25	RL	160	1.6E-07	--
Total Xylenes	1330-20-7	25	RL	15000	nc	1.67E-03
n-Propylbenzene	103-65-1	25	RL	146,600	nc	1.71E-04
1,3,5-Trimethylbenzene	107-67-8	25	RL	8,600	nc	2.91E-03
1,2,4-Trimethylbenzene	526-73-8	25	RL	8,600	nc	2.91E-03
sec-butylbenzene	135-98-8	25	RL	1800	nc	1.39E-02
Total					9.E-05	2.2E-02

SB-18-15						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	18	RL	14	1.3E-06	--
Trichloroethene(TCE)	79-01-6	25	RL	100	2.5E-07	--
Toluene	108-88-3	25	RL	44,000	nc	5.68E-04
Tetrachloroethene(PCE)	127-18-4	11,000		67	1.6E-04	--
Ethylbenzene	100-41-4	25	RL	160	1.6E-07	--
Total Xylenes	1330-20-7	25	RL	15000	nc	1.67E-03
n-Propylbenzene	103-65-1	25	RL	146,600	nc	1.71E-04
1,3,5-Trimethylbenzene	107-67-8	25	RL	8,600	nc	2.91E-03
1,2,4-Trimethylbenzene	526-73-8	25	RL	8,600	nc	2.91E-03
sec-butylbenzene	135-98-8	25	RL	1800	nc	1.39E-02
Total					2.E-04	2.2E-02

TABLE 4
SUMMARY OF SOIL VAPOR RISK @30-ft AF = 0.03

SB-9-30						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	10.8	RL	14	7.7E-07	--
Trichloroethene(TCE)	79-01-6	15	RL	100	1.5E-07	--
Toluene	108-88-3	15	RL	44,000	nc	3.41E-04
Tetrachloroethene(PCE)	127-18-4	100		67	1.5E-06	--
Ethylbenzene	100-41-4	50		160	3.1E-07	--
Total Xylenes	1330-20-7	80		15000	nc	5.33E-03
n-Propylbenzene	103-65-1	15	RL	146,600	nc	1.02E-04
1,3,5-Trimethylbenzene	107-67-8	15	RL	8,600	nc	1.74E-03
1,2,4-Trimethylbenzene	526-73-8	15	RL	8,600	nc	1.74E-03
sec-butylbenzene	135-98-8	15	RL	1800	nc	8.33E-03
Total					3.E-06	1.8E-02

SB-11-30						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	10.8	RL	14	7.7E-07	--
Trichloroethene(TCE)	79-01-6	15	RL	100	1.5E-07	--
Toluene	108-88-3	15	RL	44,000	nc	3.41E-04
Tetrachloroethene(PCE)	127-18-4	480		67	7.2E-06	--
Ethylbenzene	100-41-4	15	RL	160	9.4E-08	--
Total Xylenes	1330-20-7	15	RL	15000	nc	1.00E-03
n-Propylbenzene	103-65-1	15	RL	146,600	nc	1.02E-04
1,3,5-Trimethylbenzene	107-67-8	15	RL	8,600	nc	1.74E-03
1,2,4-Trimethylbenzene	526-73-8	15	RL	8,600	nc	1.74E-03
sec-butylbenzene	135-98-8	15	RL	1800	nc	8.33E-03
Total					8.E-06	1.3E-02

SB-12-30						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	11	RL	14	7.7E-07	--
Trichloroethene(TCE)	79-01-6	100		100	1.0E-06	--
Toluene	108-88-3	15	RL	44,000	nc	3.41E-04
Tetrachloroethene(PCE)	127-18-4	11,000		67	1.6E-04	--
Ethylbenzene	100-41-4	15	RL	160	9.4E-08	--
Total Xylenes	1330-20-7	80		15000	nc	5.33E-03
n-Propylbenzene	103-65-1	15	RL	146,600	nc	1.02E-04
1,3,5-Trimethylbenzene	107-67-8	15	RL	8,600	nc	1.74E-03
1,2,4-Trimethylbenzene	526-73-8	15	RL	8,600	nc	1.74E-03
sec-butylbenzene	135-98-8	15	RL	1800	nc	8.33E-03
Total					2.E-04	1.8E-02

SB-13-30						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	9	RL	14	6.4E-07	--
Trichloroethene(TCE)	79-01-6	380		100	3.8E-06	--
Toluene	108-88-3	12.5	RL	44,000	nc	2.84E-04
Tetrachloroethene(PCE)	127-18-4	90,000		67	1.3E-03	--
Ethylbenzene	100-41-4	12.5	RL	160	7.8E-08	--
Total Xylenes	1330-20-7	12.5	RL	15000	nc	8.33E-04
n-Propylbenzene	103-65-1	12.5	RL	146,600	nc	8.53E-05
1,3,5-Trimethylbenzene	107-67-8	12.5	RL	8,600	nc	1.45E-03
1,2,4-Trimethylbenzene	526-73-8	12.5	RL	8,600	nc	1.45E-03
sec-butylbenzene	135-98-8	12.5	RL	1800	nc	6.94E-03
Total					1.E-03	1.1E-02

SB-14-30						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	9	RL	14	6.4E-07	--
Trichloroethene(TCE)	79-01-6	640		100	6.4E-06	--
Toluene	108-88-3	12.5	RL	44,000	nc	2.84E-04
Tetrachloroethene(PCE)	127-18-4	95,000		67	1.4E-03	--
Ethylbenzene	100-41-4	12.5	RL	160	7.8E-08	--
Total Xylenes	1330-20-7	12.5	RL	15000	nc	8.33E-04
n-Propylbenzene	103-65-1	12.5	RL	146,600	nc	8.53E-05
1,3,5-Trimethylbenzene	107-67-8	12.5	RL	8,600	nc	1.45E-03
1,2,4-Trimethylbenzene	526-73-8	12.5	RL	8,600	nc	1.45E-03
sec-butylbenzene	135-98-8	12.5	RL	1800	nc	6.94E-03
Total					1.E-03	1.1E-02

SB-15-30						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	46.8	RL	14	3.3E-06	--
Trichloroethene(TCE)	79-01-6	65	RL	100	6.5E-07	--
Toluene	108-88-3	65	RL	44,000	nc	1.48E-03
Tetrachloroethene(PCE)	127-18-4	5,300		67	7.9E-05	--
Ethylbenzene	100-41-4	65	RL	160	4.1E-07	--
Total Xylenes	1330-20-7	65	RL	15000	nc	4.33E-03
n-Propylbenzene	103-65-1	65	RL	146,600	nc	4.43E-04
1,3,5-Trimethylbenzene	107-67-8	65	RL	8,600	nc	7.56E-03
1,2,4-Trimethylbenzene	526-73-8	65	RL	8,600	nc	7.56E-03
sec-butylbenzene	135-98-8	65	RL	1800	nc	3.61E-02
Total					8.E-05	5.7E-02

SB-16-30						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	46.8	RL	14	3.3E-06	--
Trichloroethene(TCE)	79-01-6	65	RL	100	6.5E-07	--
Toluene	108-88-3	65	RL	44,000	nc	1.48E-03
Tetrachloroethene(PCE)	127-18-4	15,000		67	2.2E-04	--
Ethylbenzene	100-41-4	65	RL	160	4.1E-07	--
Total Xylenes	1330-20-7	65	RL	15000	nc	4.33E-03
n-Propylbenzene	103-65-1	65	RL	146,600	nc	4.43E-04
1,3,5-Trimethylbenzene	107-67-8	65	RL	8,600	nc	7.56E-03
1,2,4-Trimethylbenzene	526-73-8	65	RL	8,600	nc	7.56E-03
sec-butylbenzene	135-98-8	65	RL	1800	nc	3.61E-02
Total					2.E-04	5.7E-02

SB-17-30						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	18	RL	14	1.3E-06	--
Trichloroethene(TCE)	79-01-6	25	RL	100	2.5E-07	--
Toluene	108-88-3	25	RL	44,000	nc	5.68E-04
Tetrachloroethene(PCE)	127-18-4	11,000		67	1.6E-04	--
Ethylbenzene	100-41-4	25	RL	160	1.6E-07	--
Total Xylenes	1330-20-7	25	RL	15000	nc	1.67E-03
n-Propylbenzene	103-65-1	25	RL	146,600	nc	1.71E-04
1,3,5-Trimethylbenzene	107-67-8	25	RL	8,600	nc	2.91E-03
1,2,4-Trimethylbenzene	526-73-8	25	RL	8,600	nc	2.91E-03
sec-butylbenzene	135-98-8	25	RL	1800	nc	1.39E-02
Total					2.E-04	2.2E-02

SB-18-30						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	18	RL	14	1.3E-06	--
Trichloroethene(TCE)	79-01-6	50		100	5.0E-07	--
Toluene	108-88-3	25	RL	44,000	nc	5.68E-04
Tetrachloroethene(PCE)	127-18-4	19,000		67	2.8E-04	--
Ethylbenzene	100-41-4	25	RL	160	1.6E-07	--
Total Xylenes	1330-20-7	25	RL	15000	nc	1.67E-03
n-Propylbenzene	103-65-1	25	RL	146,600	nc	1.71E-04
1,3,5-Trimethylbenzene	107-67-8	25	RL	8,600	nc	2.91E-03
1,2,4-Trimethylbenzene	526-73-8	25	RL	8,600	nc	2.91E-03
sec-butylbenzene	135-98-8	25	RL	1800	nc	1.39E-02
Total					3.E-04	2.2E-02

TABLE 2
SUMMARY OF SOIL VAPOR Risk @5-ft AF = 0.0005

SB-9-5						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	10.8	RL	840	1.3E-08	--
Trichloroethene(TCE)	79-01-6	15	RL	6,000	2.5E-09	--
Toluene	108-88-3	15	RL	2,600,000	nc	5.77E-06
Tetrachloroethene(PCE)	127-18-4	60		4,000	1.5E-08	--
Ethylbenzene	100-41-4	50		9,800	5.1E-09	--
Total Xylenes	1330-20-7	80		880,000	nc	9.09E-05
n-Propylbenzene	103-65-1	15	RL	8,800,000	nc	1.70E-06
1,3,5-Trimethylbenzene	107-67-8	15	RL	520,000	nc	2.88E-05
1,2,4-Trimethylbenzene	526-73-8	15	RL	520,000	nc	2.88E-05
sec-butylbenzene	135-98-8	15	RL	3,600,000	nc	4.17E-06
Total					4.E-08	1.6E-04

SB-11-5						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	60		840	7.1E-08	--
Trichloroethene(TCE)	79-01-6	15	RL	6,000	2.5E-09	--
Toluene	108-88-3	80		2,600,000	nc	3.08E-05
Tetrachloroethene(PCE)	127-18-4	170		4,000	4.3E-08	--
Ethylbenzene	100-41-4	60		9,800	6.1E-09	--
Total Xylenes	1330-20-7	110		880,000	nc	1.25E-04
n-Propylbenzene	103-65-1	15	RL	8,800,000	nc	1.70E-06
1,3,5-Trimethylbenzene	107-67-8	15	RL	520,000	nc	2.88E-05
1,2,4-Trimethylbenzene	526-73-8	15	RL	520,000	nc	2.88E-05
sec-butylbenzene	135-98-8	15	RL	3,600,000	nc	4.17E-06
Total					1.E-07	2.2E-04

SB-12-5						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	80		840	9.5E-08	--
Trichloroethene(TCE)	79-01-6	15	RL	6,000	2.5E-09	--
Toluene	108-88-3	360		2,600,000	nc	1.38E-04
Tetrachloroethene(PCE)	127-18-4	150		4,000	3.8E-08	--
Ethylbenzene	100-41-4	470		9,800	4.8E-08	--
Total Xylenes	1330-20-7	2160		880,000	nc	2.45E-03
n-Propylbenzene	103-65-1	140		8,800,000	nc	1.59E-05
1,3,5-Trimethylbenzene	107-67-8	100		520,000	nc	1.92E-04
1,2,4-Trimethylbenzene	526-73-8	220		520,000	nc	4.23E-04
sec-butylbenzene	135-98-8	130		3,600,000	nc	3.61E-05
Total					2.E-07	3.3E-03

SB-13-5						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	9.0	RL	840	1.1E-08	--
Trichloroethene(TCE)	79-01-6	12.5	RL	6,000	2.1E-09	--
Toluene	108-88-3	12.5	RL	2,600,000	nc	4.81E-06
Tetrachloroethene(PCE)	127-18-4	11,000		4,000	2.8E-06	--
Ethylbenzene	100-41-4	12.5	RL	9,800	1.3E-09	--
Total Xylenes	1330-20-7	12.5	RL	880,000	nc	1.42E-05
n-Propylbenzene	103-65-1	12.5	RL	8,800,000	nc	1.42E-06
1,3,5-Trimethylbenzene	107-67-8	12.5	RL	520,000	nc	2.40E-05
1,2,4-Trimethylbenzene	526-73-8	12.5	RL	520,000	nc	2.40E-05
sec-butylbenzene	135-98-8	12.5	RL	3,600,000	nc	3.47E-06
Total					3.E-06	7.2E-05

SB-14-5						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	9.0	RL	840	1.1E-08	--
Trichloroethene(TCE)	79-01-6	30		6,000	5.0E-09	--
Toluene	108-88-3	12.5	RL	2,600,000	nc	4.81E-06
Tetrachloroethene(PCE)	127-18-4	22,000		4,000	5.5E-06	--
Ethylbenzene	100-41-4	12.5	RL	9,800	1.3E-09	--
Total Xylenes	1330-20-7	12.5	RL	880,000	nc	1.42E-05
n-Propylbenzene	103-65-1	12.5	RL	8,800,000	nc	1.42E-06
1,3,5-Trimethylbenzene	107-67-8	12.5	RL	520,000	nc	2.40E-05
1,2,4-Trimethylbenzene	526-73-8	12.5	RL	520,000	nc	2.40E-05
sec-butylbenzene	135-98-8	12.5	RL	3,600,000	nc	3.47E-06
Total					6.E-06	7.2E-05

SB-15-5						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	46.8	RL	840	5.6E-08	--
Trichloroethene(TCE)	79-01-6	65	RL	6,000	1.1E-08	--
Toluene	108-88-3	65	RL	2,600,000	nc	2.50E-05
Tetrachloroethene(PCE)	127-18-4	6,300		4,000	1.6E-06	--
Ethylbenzene	100-41-4	65	RL	9,800	6.6E-09	--
Total Xylenes	1330-20-7	65	RL	880,000	nc	7.39E-05
n-Propylbenzene	103-65-1	65	RL	8,800,000	nc	7.39E-06
1,3,5-Trimethylbenzene	107-67-8	65	RL	520,000	nc	1.25E-04
1,2,4-Trimethylbenzene	526-73-8	65	RL	520,000	nc	1.25E-04
sec-butylbenzene	135-98-8	65	RL	3,600,000	nc	1.81E-05
Total					2.E-06	3.7E-04

SB-16-5						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	46.8	RL	840	5.6E-08	--
Trichloroethene(TCE)	79-01-6	65	RL	6,000	1.1E-08	--
Toluene	108-88-3	65	RL	2,600,000	nc	2.50E-05
Tetrachloroethene(PCE)	127-18-4	990		4,000	2.5E-07	--
Ethylbenzene	100-41-4	65	RL	9,800	6.6E-09	--
Total Xylenes	1330-20-7	65	RL	880,000	nc	7.39E-05
n-Propylbenzene	103-65-1	65	RL	8,800,000	nc	7.39E-06
1,3,5-Trimethylbenzene	107-67-8	65	RL	520,000	nc	1.25E-04
1,2,4-Trimethylbenzene	526-73-8	65	RL	520,000	nc	1.25E-04
sec-butylbenzene	135-98-8	65	RL	3,600,000	nc	1.81E-05
Total					3.E-07	3.7E-04

SB-17-5						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	18	RL	840	2.1E-08	--
Trichloroethene(TCE)	79-01-6	25	RL	6,000	4.2E-09	--
Toluene	108-88-3	25	RL	2,600,000	nc	9.62E-06
Tetrachloroethene(PCE)	127-18-4	980		4,000	2.5E-07	--
Ethylbenzene	100-41-4	25	RL	9,800	2.6E-09	--
Total Xylenes	1330-20-7	25	RL	880,000	nc	2.84E-05
n-Propylbenzene	103-65-1	25	RL	8,800,000	nc	2.84E-06
1,3,5-Trimethylbenzene	107-67-8	25	RL	520,000	nc	4.81E-05
1,2,4-Trimethylbenzene	526-73-8	25	RL	520,000	nc	4.81E-05
sec-butylbenzene	135-98-8	25	RL	3,600,000	nc	6.94E-06
Total					3.E-07	1.4E-04

SB-18-5						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	18	RL	840	2.1E-08	--
Trichloroethene(TCE)	79-01-6	25	RL	6,000	4.2E-09	--
Toluene	108-88-3	25	RL	2,600,000	nc	9.62E-06
Tetrachloroethene(PCE)	127-18-4	430		4,000	1.1E-07	--
Ethylbenzene	100-41-4	25	RL	9,800	2.6E-09	--
Total Xylenes	1330-20-7	25	RL	880,000	nc	2.84E-05
n-Propylbenzene	103-65-1	25	RL	8,800,000	nc	2.84E-06
1,3,5-Trimethylbenzene	107-67-8	25	RL	520,000	nc	4.81E-05
1,2,4-Trimethylbenzene	526-73-8	25	RL	520,000	nc	4.81E-05
sec-butylbenzene	135-98-8	25	RL	3,600,000	nc	6.94E-06
Total					1.E-07	1.4E-04

TABLE 3
SUMMARY OF SOIL VAPOR RISK @15-ft AF = 0.0005

SB-9-15						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	10.8	RL	840	1.3E-08	--
Trichloroethene(TCE)	79-01-6	15	RL	6,000	2.5E-09	--
Toluene	108-88-3	15	RL	2,600,000	nc	5.77E-06
Tetrachloroethene(PCE)	127-18-4	80		4,000	2.0E-08	--
Ethylbenzene	100-41-4	15	RL	9,800	1.5E-09	--
Total Xylenes	1330-20-7	45		880,000	nc	5.11E-05
n-Propylbenzene	103-65-1	15	RL	8,800,000	nc	1.70E-06
1,3,5-Trimethylbenzene	107-67-8	15	RL	520,000	nc	2.88E-05
1,2,4-Trimethylbenzene	526-73-8	15	RL	520,000	nc	2.88E-05
sec-butylbenzene	135-98-8	15	RL	3,600,000	nc	4.17E-06
Total					4.E-08	1.2E-04

SB-11-15						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	10.8		840	1.3E-08	--
Trichloroethene(TCE)	79-01-6	15	RL	6,000	2.5E-09	--
Toluene	108-88-3	15	RL	2,600,000	nc	5.77E-06
Tetrachloroethene(PCE)	127-18-4	1,800		4,000	4.5E-07	--
Ethylbenzene	100-41-4	50		9,800	5.1E-09	--
Total Xylenes	1330-20-7	90		880,000	nc	1.02E-04
n-Propylbenzene	103-65-1	15	RL	8,800,000	nc	1.70E-06
1,3,5-Trimethylbenzene	107-67-8	15	RL	520,000	nc	2.88E-05
1,2,4-Trimethylbenzene	526-73-8	15	RL	520,000	nc	2.88E-05
sec-butylbenzene	135-98-8	15	RL	3,600,000	nc	4.17E-06
Total					5.E-07	1.7E-04

SB-12-15						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	50		840	6.0E-08	--
Trichloroethene(TCE)	79-01-6	15	RL	6,000	2.5E-09	--
Toluene	108-88-3	15	RL	2,600,000	nc	5.77E-06
Tetrachloroethene(PCE)	127-18-4	4,200		4,000	1.1E-06	--
Ethylbenzene	100-41-4	60		9,800	6.1E-09	--
Total Xylenes	1330-20-7	100		880,000	nc	1.14E-04
n-Propylbenzene	103-65-1	15	RL	8,800,000	nc	1.70E-06
1,3,5-Trimethylbenzene	107-67-8	15	RL	520,000	nc	2.88E-05
1,2,4-Trimethylbenzene	526-73-8	15	RL	520,000	nc	2.88E-05
sec-butylbenzene	135-98-8	15	RL	3,600,000	nc	4.17E-06
Total					1.E-06	1.8E-04

SB-13-15						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	9	RL	840	1.1E-08	--
Trichloroethene(TCE)	79-01-6	60		6,000	1.0E-08	--
Toluene	108-88-3	12.5	RL	2,600,000	nc	4.81E-06
Tetrachloroethene(PCE)	127-18-4	39,000		4,000	9.8E-06	--
Ethylbenzene	100-41-4	12.5	RL	9,800	1.3E-09	--
Total Xylenes	1330-20-7	12.5	RL	880,000	nc	1.42E-05
n-Propylbenzene	103-65-1	12.5	RL	8,800,000	nc	1.42E-06
1,3,5-Trimethylbenzene	107-67-8	12.5	RL	520,000	nc	2.40E-05
1,2,4-Trimethylbenzene	526-73-8	12.5	RL	520,000	nc	2.40E-05
sec-butylbenzene	135-98-8	12.5	RL	3,600,000	nc	3.47E-06
Total					1.E-05	7.2E-05

SB-14-15						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	9	RL	840	1.1E-08	--
Trichloroethene(TCE)	79-01-6	230		6,000	3.8E-08	--
Toluene	108-88-3	12.5	RL	2,600,000	nc	4.81E-06
Tetrachloroethene(PCE)	127-18-4	58,000		4,000	1.5E-05	--
Ethylbenzene	100-41-4	12.5	RL	9,800	1.3E-09	--
Total Xylenes	1330-20-7	12.5	RL	880,000	nc	1.42E-05
n-Propylbenzene	103-65-1	12.5	RL	8,800,000	nc	1.42E-06
1,3,5-Trimethylbenzene	107-67-8	12.5	RL	520,000	nc	2.40E-05
1,2,4-Trimethylbenzene	526-73-8	12.5	RL	520,000	nc	2.40E-05
sec-butylbenzene	135-98-8	12.5	RL	3,600,000	nc	3.47E-06
Total					1.E-05	7.2E-05

SB-15-15						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	46.8	RL	840	5.6E-08	--
Trichloroethene(TCE)	79-01-6	65	RL	6,000	1.1E-08	--
Toluene	108-88-3	65	RL	2,600,000	nc	2.50E-05
Tetrachloroethene(PCE)	127-18-4	4,300		4,000	1.1E-06	--
Ethylbenzene	100-41-4	65	RL	9,800	6.6E-09	--
Total Xylenes	1330-20-7	65	RL	880,000	nc	7.39E-05
n-Propylbenzene	103-65-1	65	RL	8,800,000	nc	7.39E-06
1,3,5-Trimethylbenzene	107-67-8	65	RL	520,000	nc	1.25E-04
1,2,4-Trimethylbenzene	526-73-8	65	RL	520,000	nc	1.25E-04
sec-butylbenzene	135-98-8	65	RL	3,600,000	nc	1.81E-05
Total					1.E-06	3.7E-04

SB-16-15						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	46.8	RL	840	5.6E-08	--
Trichloroethene(TCE)	79-01-6	65	RL	6,000	1.1E-08	--
Toluene	108-88-3	65	RL	2,600,000	nc	2.50E-05
Tetrachloroethene(PCE)	127-18-4	1,500		4,000	3.8E-07	--
Ethylbenzene	100-41-4	65	RL	9,800	6.6E-09	--
Total Xylenes	1330-20-7	65	RL	880,000	nc	7.39E-05
n-Propylbenzene	103-65-1	65	RL	8,800,000	nc	7.39E-06
1,3,5-Trimethylbenzene	107-67-8	65	RL	520,000	nc	1.25E-04
1,2,4-Trimethylbenzene	526-73-8	65	RL	520,000	nc	1.25E-04
sec-butylbenzene	135-98-8	65	RL	3,600,000	nc	1.81E-05
Total					4.E-07	3.7E-04

SB-17-15						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	18	RL	840	2.1E-08	--
Trichloroethene(TCE)	79-01-6	25	RL	6,000	4.2E-09	--
Toluene	108-88-3	25	RL	2,600,000	nc	9.62E-06
Tetrachloroethene(PCE)	127-18-4	5,600		4,000	1.4E-06	--
Ethylbenzene	100-41-4	25	RL	9,800	2.6E-09	--
Total Xylenes	1330-20-7	25	RL	880,000	nc	2.84E-05
n-Propylbenzene	103-65-1	25	RL	8,800,000	nc	2.84E-06
1,3,5-Trimethylbenzene	107-67-8	25	RL	520,000	nc	4.81E-05
1,2,4-Trimethylbenzene	526-73-8	25	RL	520,000	nc	4.81E-05
sec-butylbenzene	135-98-8	25	RL	3,600,000	nc	6.94E-06
Total					1.E-06	1.4E-04

SB-18-15						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	18	RL	840	2.1E-08	--
Trichloroethene(TCE)	79-01-6	25	RL	6,000	4.2E-09	--
Toluene	108-88-3	25	RL	2,600,000	nc	9.62E-06
Tetrachloroethene(PCE)	127-18-4	11,000		4,000	2.8E-06	--
Ethylbenzene	100-41-4	25	RL	9,800	2.6E-09	--
Total Xylenes	1330-20-7	25	RL	880,000	nc	2.84E-05
n-Propylbenzene	103-65-1	25	RL	8,800,000	nc	2.84E-06
1,3,5-Trimethylbenzene	107-67-8	25	RL	520,000	nc	4.81E-05
1,2,4-Trimethylbenzene	526-73-8	25	RL	520,000	nc	4.81E-05
sec-butylbenzene	135-98-8	25	RL	3,600,000	nc	6.94E-06
Total					3.E-06	1.4E-04

TABLE 4
SUMMARY OF SOIL VAPOR RISK @30-ft AF = 0.0005

SB-9-30						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	10.8	RL	840	1.3E-08	--
Trichloroethene(TCE)	79-01-6	15	RL	6,000	2.5E-09	--
Toluene	108-88-3	15	RL	2,600,000	nc	5.77E-06
Tetrachloroethene(PCE)	127-18-4	100		4,000	2.5E-08	--
Ethylbenzene	100-41-4	50		9,800	5.1E-09	--
Total Xylenes	1330-20-7	80		880,000	nc	9.09E-05
n-Propylbenzene	103-65-1	15	RL	8,800,000	nc	1.70E-06
1,3,5-Trimethylbenzene	107-67-8	15	RL	520,000	nc	2.88E-05
1,2,4-Trimethylbenzene	526-73-8	15	RL	520,000	nc	2.88E-05
sec-butylbenzene	135-98-8	15	RL	3,600,000	nc	4.17E-06
Total					5.E-08	1.6E-04

SB-11-30						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	10.8	RL	840	1.3E-08	--
Trichloroethene(TCE)	79-01-6	15	RL	6,000	2.5E-09	--
Toluene	108-88-3	15	RL	2,600,000	nc	5.77E-06
Tetrachloroethene(PCE)	127-18-4	480		4,000	1.2E-07	--
Ethylbenzene	100-41-4	15	RL	9,800	1.5E-09	--
Total Xylenes	1330-20-7	15	RL	880,000	nc	1.70E-05
n-Propylbenzene	103-65-1	15	RL	8,800,000	nc	1.70E-06
1,3,5-Trimethylbenzene	107-67-8	15	RL	520,000	nc	2.88E-05
1,2,4-Trimethylbenzene	526-73-8	15	RL	520,000	nc	2.88E-05
sec-butylbenzene	135-98-8	15	RL	3,600,000	nc	4.17E-06
Total					1.E-07	8.6E-05

SB-12-30						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	11	RL	840	1.3E-08	--
Trichloroethene(TCE)	79-01-6	100		6,000	1.7E-08	--
Toluene	108-88-3	15	RL	2,600,000	nc	5.77E-06
Tetrachloroethene(PCE)	127-18-4	11,000		4,000	2.8E-06	--
Ethylbenzene	100-41-4	15	RL	9,800	1.5E-09	--
Total Xylenes	1330-20-7	80		880,000	nc	9.09E-05
n-Propylbenzene	103-65-1	15	RL	8,800,000	nc	1.70E-06
1,3,5-Trimethylbenzene	107-67-8	15	RL	520,000	nc	2.88E-05
1,2,4-Trimethylbenzene	526-73-8	15	RL	520,000	nc	2.88E-05
sec-butylbenzene	135-98-8	15	RL	3,600,000	nc	4.17E-06
Total					3.E-06	1.6E-04

SB-13-30						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	9	RL	840	1.1E-08	--
Trichloroethene(TCE)	79-01-6	380		6,000	6.3E-08	--
Toluene	108-88-3	12.5	RL	2,600,000	nc	4.81E-06
Tetrachloroethene(PCE)	127-18-4	90,000		4,000	2.3E-05	--
Ethylbenzene	100-41-4	12.5	RL	9,800	1.3E-09	--
Total Xylenes	1330-20-7	12.5	RL	880,000	nc	1.42E-05
n-Propylbenzene	103-65-1	12.5	RL	8,800,000	nc	1.42E-06
1,3,5-Trimethylbenzene	107-67-8	12.5	RL	520,000	nc	2.40E-05
1,2,4-Trimethylbenzene	526-73-8	12.5	RL	520,000	nc	2.40E-05
sec-butylbenzene	135-98-8	12.5	RL	3,600,000	nc	3.47E-06
Total					2.E-05	7.2E-05

SB-14-30						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	9	RL	840	1.1E-08	--
Trichloroethene(TCE)	79-01-6	640		6,000	1.1E-07	--
Toluene	108-88-3	12.5	RL	2,600,000	nc	4.81E-06
Tetrachloroethene(PCE)	127-18-4	95,000		4,000	2.4E-05	--
Ethylbenzene	100-41-4	12.5	RL	9,800	1.3E-09	--
Total Xylenes	1330-20-7	12.5	RL	880,000	nc	1.42E-05
n-Propylbenzene	103-65-1	12.5	RL	8,800,000	nc	1.42E-06
1,3,5-Trimethylbenzene	107-67-8	12.5	RL	520,000	nc	2.40E-05
1,2,4-Trimethylbenzene	526-73-8	12.5	RL	520,000	nc	2.40E-05
sec-butylbenzene	135-98-8	12.5	RL	3,600,000	nc	3.47E-06
Total					2.E-05	7.2E-05

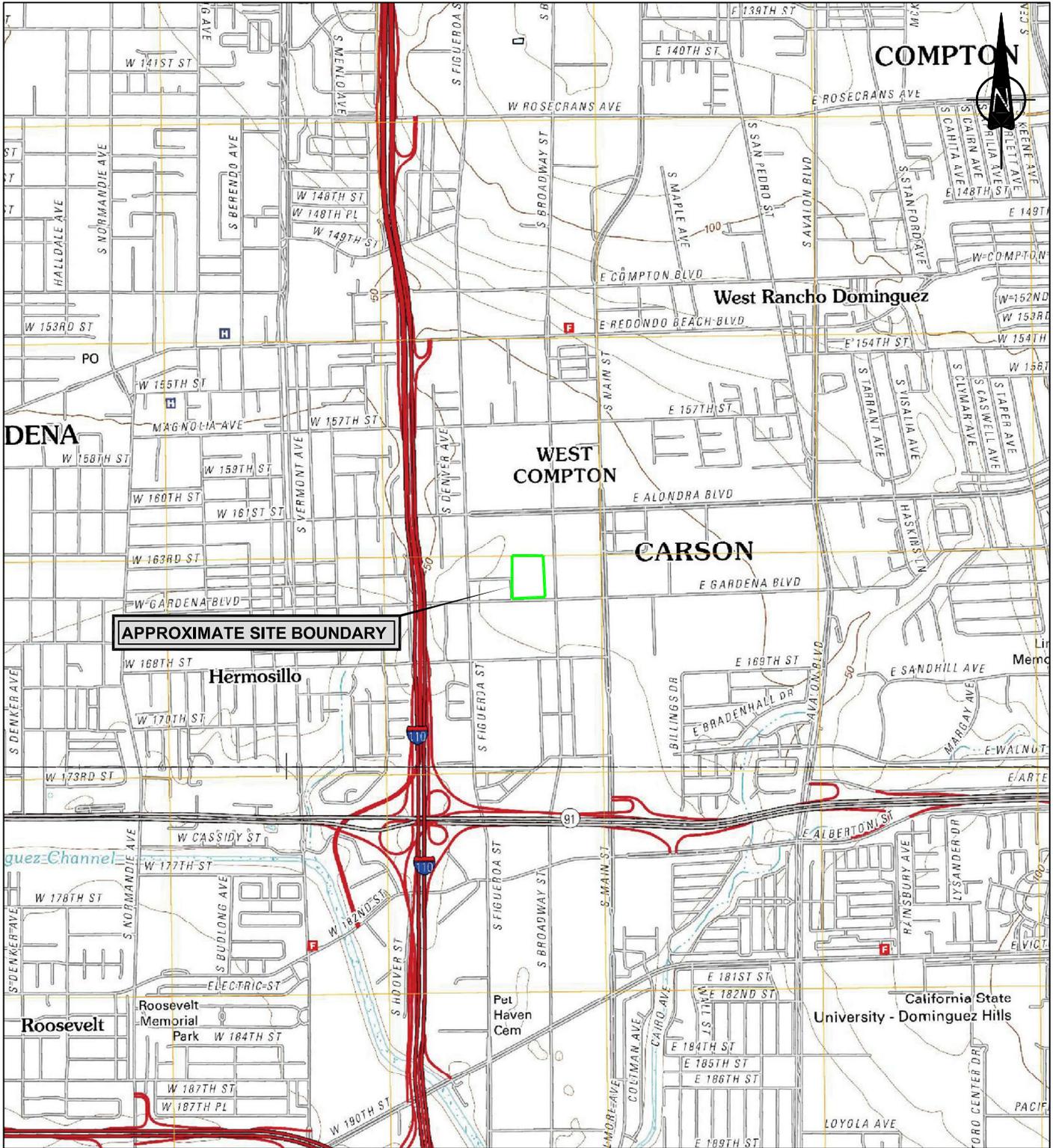
SB-15-30						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	46.8	RL	840	5.6E-08	--
Trichloroethene(TCE)	79-01-6	65	RL	6,000	1.1E-08	--
Toluene	108-88-3	65	RL	2,600,000	nc	2.50E-05
Tetrachloroethene(PCE)	127-18-4	5,300		4,000	1.3E-06	--
Ethylbenzene	100-41-4	65	RL	9,800	6.6E-09	--
Total Xylenes	1330-20-7	65	RL	880,000	nc	7.39E-05
n-Propylbenzene	103-65-1	65	RL	8,800,000	nc	7.39E-06
1,3,5-Trimethylbenzene	107-67-8	65	RL	520,000	nc	1.25E-04
1,2,4-Trimethylbenzene	526-73-8	65	RL	520,000	nc	1.25E-04
sec-butylbenzene	135-98-8	65	RL	3,600,000	nc	1.81E-05
Total					1.E-06	3.7E-04

SB-16-30						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	46.8	RL	840	5.6E-08	--
Trichloroethene(TCE)	79-01-6	65	RL	6,000	1.1E-08	--
Toluene	108-88-3	65	RL	2,600,000	nc	2.50E-05
Tetrachloroethene(PCE)	127-18-4	15,000		4,000	3.8E-06	--
Ethylbenzene	100-41-4	65	RL	9,800	6.6E-09	--
Total Xylenes	1330-20-7	65	RL	880,000	nc	7.39E-05
n-Propylbenzene	103-65-1	65	RL	8,800,000	nc	7.39E-06
1,3,5-Trimethylbenzene	107-67-8	65	RL	520,000	nc	1.25E-04
1,2,4-Trimethylbenzene	526-73-8	65	RL	520,000	nc	1.25E-04
sec-butylbenzene	135-98-8	65	RL	3,600,000	nc	1.81E-05
Total					4.E-06	3.7E-04

SB-17-30						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	18	RL	840	2.1E-08	--
Trichloroethene(TCE)	79-01-6	25	RL	6,000	4.2E-09	--
Toluene	108-88-3	25	RL	2,600,000	nc	9.62E-06
Tetrachloroethene(PCE)	127-18-4	11,000		4,000	2.8E-06	--
Ethylbenzene	100-41-4	25	RL	9,800	2.6E-09	--
Total Xylenes	1330-20-7	25	RL	880,000	nc	2.84E-05
n-Propylbenzene	103-65-1	25	RL	8,800,000	nc	2.84E-06
1,3,5-Trimethylbenzene	107-67-8	25	RL	520,000	nc	4.81E-05
1,2,4-Trimethylbenzene	526-73-8	25	RL	520,000	nc	4.81E-05
sec-butylbenzene	135-98-8	25	RL	3,600,000	nc	6.94E-06
Total					3.E-06	1.4E-04

SB-18-30						
Chemical	CAS#	C _{SG}		SL	CR	HQ
Benzene	71-43-2	18	RL	840	2.1E-08	--
Trichloroethene(TCE)	79-01-6	50		6,000	8.3E-09	--
Toluene	108-88-3	25	RL	2,600,000	nc	9.62E-06
Tetrachloroethene(PCE)	127-18-4	19,000		4,000	4.8E-06	--
Ethylbenzene	100-41-4	25	RL	9,800	2.6E-09	--
Total Xylenes	1330-20-7	25	RL	880,000	nc	2.84E-05
n-Propylbenzene	103-65-1	25	RL	8,800,000	nc	2.84E-06
1,3,5-Trimethylbenzene	107-67-8	25	RL	520,000	nc	4.81E-05
1,2,4-Trimethylbenzene	526-73-8	25	RL	520,000	nc	4.81E-05
sec-butylbenzene	135-98-8	25	RL	3,600,000	nc	6.94E-06
Total					5.E-06	1.4E-04

FIGURES



APPROXIMATE SITE BOUNDARY



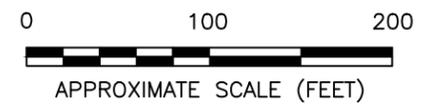
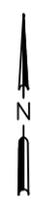
NOTE: THIS DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO A STANTEC SERVICES INC. REPORT AND MUST NOT BE USED FOR OTHER PURPOSES.

<p>PROPERTY LOCATION MAP</p> <p>PHASE I ESA</p> <p>333 WEST GARDENA BOULEVARD, CARSON, CA</p>	Project No.: 185804367	<p>Fig. No.:</p> <p>1</p>	
	Scale: AS SHOWN		
	Date: 19/06/25		
	Dwn. By: CD _{VM} SC2019060036		
Client: CT REALTY	App'd By: KE		

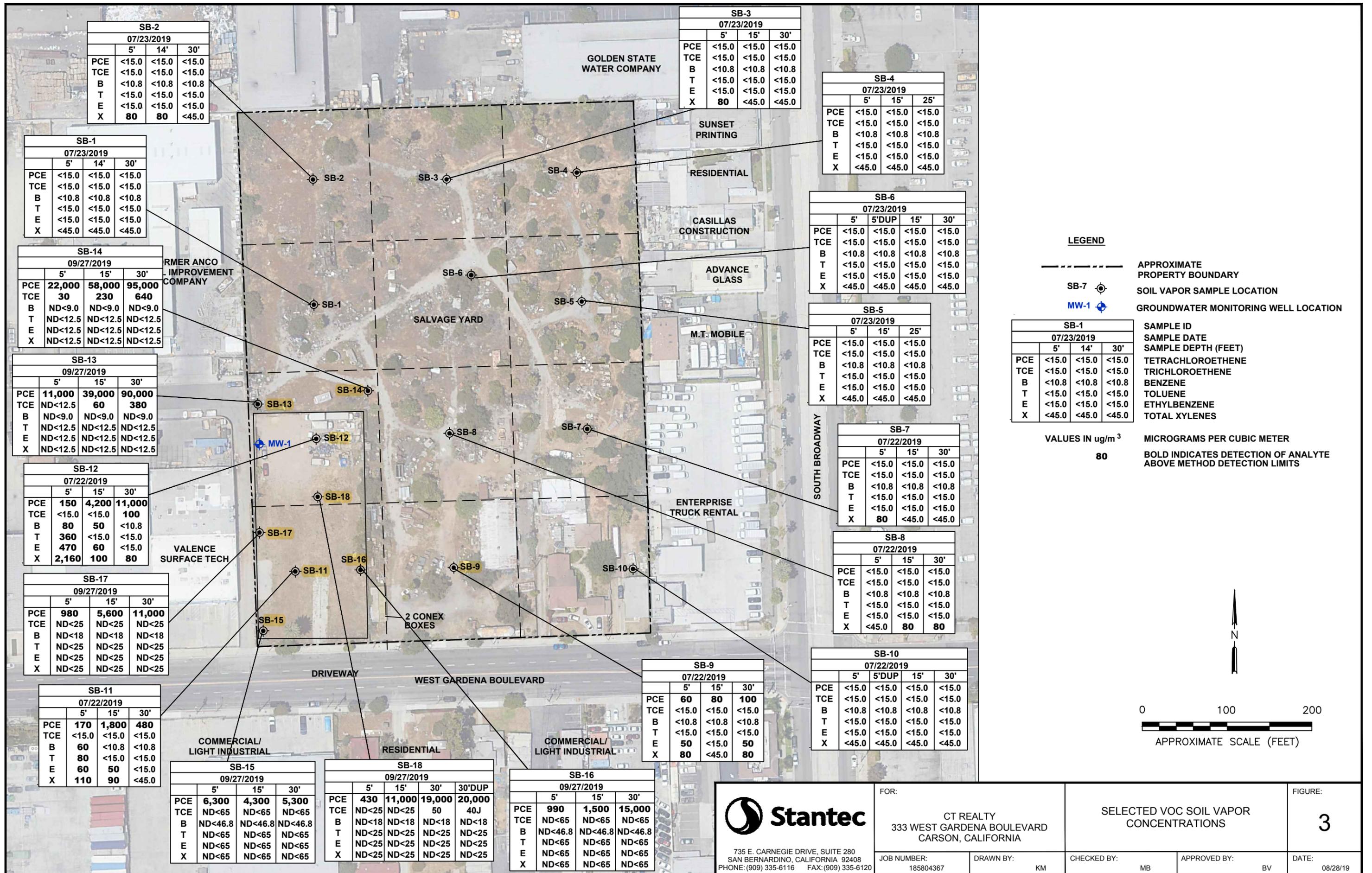


LEGEND

-  APPROXIMATE PROPERTY BOUNDARY
-  SOIL VAPOR SAMPLE LOCATION
-  GROUNDWATER MONITORING WELL LOCATION



 735 E. CARNEGIE DRIVE, SUITE 280 SAN BERNARDINO, CALIFORNIA 92408 PHONE: (909) 335-6116 FAX: (909) 335-6120	FOR: CT REALTY 333 WEST GARDENA BOULEVARD CARSON, CALIFORNIA		PROPERTY DETAILS MAP		FIGURE: 2
	JOB NUMBER: 185804367	DRAWN BY: KM	CHECKED BY: MB	APPROVED BY: BV	DATE: 10/10/19



Stantec
735 E. CARNEGIE DRIVE, SUITE 280
SAN BERNARDINO, CALIFORNIA 92408
PHONE: (909) 335-6116 FAX: (909) 335-6120

FOR:
CT REALTY
333 WEST GARDENA BOULEVARD
CARSON, CALIFORNIA

JOB NUMBER: 185804367
DRAWN BY: KM
CHECKED BY: MB
APPROVED BY: BV
DATE: 08/28/19

SELECTED VOC SOIL VAPOR
CONCENTRATIONS

FIGURE:
3

APPENDIX A
BORING LOGS

PROJECT: **CTR - Carson**
 LOCATION: **353 W. Gardena Blvd. Carson, CA**
 PROJECT NUMBER: **185804367**

WELL / PROBEHOLE / BOREHOLE NO:



MW-01 PAGE 1 OF 2

DRILLING: STARTED **9/26/19** COMPLETED: **9/26/19**
 INSTALLATION: STARTED **9/26/19** COMPLETED: **9/26/19**
 DRILLING COMPANY: **M&R Drilling Co.**
 DRILLING EQUIPMENT: **CME-95**
 DRILLING METHOD: **HSA**
 SAMPLING EQUIPMENT: **Split Spoon**

NORTHING (ft):
 LATITUDE:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **42.5 9/26/19**
 STATIC DTW (ft): **NE**
 WELL CASING DIAMETER (in): **2**
 LOGGED BY: **MFB**

EASTING (ft):
 LONGITUDE:
 TOC ELEV (ft):
 BOREHOLE DEPTH (ft): **58.0**
 WELL DEPTH (ft): **57.0**
 BOREHOLE DIAMETER (in): **6**
 CHECKED BY: **BV**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID Method	Measured Recovery (ft.)	Blow Count	PID Reading (ppmv)	Depth (feet)	Well Construction
			Fine to coarse-grained; no staining; variable silt; minor debris and gravel							8" Traffic Rated Well Box set in Concrete
5		SM	SILTY SAND ; SM; 7.5YR 4/6 strong brown; fine to coarse-grained; non plastic; moist; no odor; no staining; some silt; trace fine gravel		0746 MW1-5 8260B	1 0.5	7 7 14	1.2	5	
10		SP-SM	POORLY GRADED SAND - SILTY SAND ; SP-SM; 7.5YR 3/4 dark brown; fine to coarse-grained; moist; no odor; no staining; little to some silt		0751 MW1-10 8260B	1 0.5	7 17 21	0.0	10	
15		SM	SILTY SAND ; SM; 7.5YR 4/4 brown; fine-grained; non plastic; moist; no odor; slight oxidation staining; some silt; trace medium sand		0756 MW1-15 8260B	1 0.5	9 15 20	0.0	15	
20		SM	SILTY SAND ; SM; 10YR 4/3 brown; fine-grained; non plastic; moist; no odor; no staining; some silt; few medium to coarse sand		0804 MW1-20 8260B	1 0.5	8 15 20	0.0	20	
25		SP-SM	POORLY GRADED SAND - SILTY SAND ; SP-SM; 10YR 4/4 dark yellowish brown; fine to medium-grained; moist; no odor; no staining; little to some silt		0812 MW1-25 8260B	1 0.5	11 15 18	0.0	25	
		SP	POORLY GRADED SAND ; SP; 10YR 5/3 brown; fine-grained; slightly moist; no odor;		0818	1	18 29			2" Dia. Sch. 40 PVC in Neat Cement Grout

GEO FORM 304 MW-01 BORING.GPJ STANTEC001.GDT 9/30/19

PROJECT: **CTR - Carson**
 LOCATION: **353 W. Gardena Blvd. Carson, CA**
 PROJECT NUMBER: **185804367**

WELL / PROBEHOLE / BOREHOLE NO:

MW-01 PAGE 2 OF 2



DRILLING: STARTED **9/26/19** COMPLETED: **9/26/19**
 INSTALLATION: STARTED **9/26/19** COMPLETED: **9/26/19**
 DRILLING COMPANY: **M&R Drilling Co.**
 DRILLING EQUIPMENT: **CME-95**
 DRILLING METHOD: **HSA**
 SAMPLING EQUIPMENT: **Split Spoon**

NORTHING (ft):
 LATITUDE:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **42.5 9/26/19**
 STATIC DTW (ft): **NE**
 WELL CASING DIAMETER (in): **2**
 LOGGED BY: **MFB**
 EASTING (ft):
 LONGITUDE:
 TOC ELEV (ft):
 BOREHOLE DEPTH (ft): **58.0**
 WELL DEPTH (ft): **57.0**
 BOREHOLE DIAMETER (in): **6**
 CHECKED BY: **BV**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID Method	Measured Recovery (ft.)	Blow Count	PID Reading (ppmv)	Depth (feet)	Well Construction
			no staining; trace fines; trace medium sand		MW1-30 8260B	0.5	30	0.0		
35			SAME AS ABOVE ; few fines		0824 MW1-35 8260B	1 0.5	10 20 25	0.0	35	Hydrated Medium Bentonite Chip Annular Seal
40		CL	LEAN CLAY WITH SILT ; CL; 10YR 4/3 brown; medium plasticity; moist; no odor; no staining; low to medium dilatancy; trace to few fine sand		0834 MW1-40 8260B	1 0.5	5 8 11	0.0	40	
45		SP-SM	POORLY GRADED SAND - SILTY SAND ; SP-SM; 10YR 4/2 dark grayish brown; very fine to fine-grained; non plastic; moist to wet; no odor; no staining; little to some silt		--	1.5	7 20 23	0.0	45	
50		CL	LEAN CLAY WITH SILT ; CL; 10YR 5/3 brown; medium plasticity; wet; no odor; no staining; low to medium dilatancy; trace to few fine sand; trace fine gravel/caliche fragments		--	1.5	15 20 21	0.0	50	
55		SM	SILTY SAND ; SM; 10YR 4/3 brown; very fine to fine-grained; non plastic; wet; no odor; no staining; some silt		--	1.5	12 15 19	0.0	55	
			Hole terminated at 58 feet.							2" Dia. Sch. 40. PVC - 0.010" Slot in #2/12 Sand Filter Pack

PROJECT: **CTR - Carson**
 LOCATION: **353 W. Gardena Blvd. Carson, CA**
 PROJECT NUMBER: **185804367**

WELL / PROBEHOLE / BOREHOLE NO:



SB-13 PAGE 1 OF 1

DRILLING: STARTED **9/23/19** COMPLETED: **9/23/19**
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Interphase**
 DRILLING EQUIPMENT: **6600**
 DRILLING METHOD: **DPT**
 SAMPLING EQUIPMENT: **Jar/Acetate**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **30.5**
 STATIC DTW (ft): **NE** WELL DEPTH (ft): ---
 WELL CASING DIAMETER (in): --- BOREHOLE DIAMETER (in): **2.25**
 LOGGED BY: **MFB** CHECKED BY: **BV**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID Method	Measured Recovery (ft.)	Blow Count	PID Reading (ppmv)	Depth (feet)	Borehole Backfill
0 - 1		SM	Fine to coarse-grained; no staining; variable silt; minor debris and gravel		0911 SB-13-1 8015B	4		0.0	0	
1 - 5		SP-SM	SILTY SAND ; SM; 7.5YR 5/4 brown; fine-grained; non plastic; dry; no odor; no staining; some silt; few medium to coarse sand; root fragments		0914 SB-13-3 8015B	4		0.0	1	
5 - 10		ML	POORLY GRADED SAND - SILTY SAND ; SP-SM; 5YR 4/4 reddish brown; fine to medium-grained; slightly moist; no odor; no staining; little to some silt; few coarse sand; trace root fragments		0927 SB-13-5 8015B 8260B	4		0.0	5	x3 1/4" Nylaflo tubing in Hydrated Granular Bentonite
10 - 15		SP	SILT WITH SAND ; ML; 7.5YR 4/6 strong brown; non plastic; slightly moist; no odor; no staining; few to little fine sand; trace medium sand; stiff		0929 SB-13-10 8260B	4		0.0	10	6" Dry Granular Bentonite 11" Penn Plax Filter in #3 Sand 6" Dry Granular Bentonite
15 - 20		SP	POORLY GRADED SAND ; SP; 7.5YR 5/4 brown; fine to medium-grained; moist; no odor; no staining; trace coarse sand; trace to few fines		0933 SB-13-15 8260B	4		0.0	15	x2 1/4" Nylaflo tubing in Hydrated Granular Bentonite
20 - 25		ML	SAME AS ABOVE ; fine-grained; moist; no odor; no staining; few medium sand; few fines; trace coarse sand		0938 SB-13-20 8260B	4		0.0	20	6" Dry Granular Bentonite 11" Penn Plax Filter in #3 Sand 6" Dry Granular Bentonite
25 - 30		ML	SILT WITH SAND ; ML; 7.5YR 5/4 brown; non plastic; moist; no odor; little fine sand; minor oxidation staining		0942 SB-13-25 8260B	4		0.0	25	1/4" Nylaflo tubing in Hydrated Granular Bentonite
30 - 30.5		SP	SILT ; ML; 10YR 4/4 dark yellowish brown; non plastic; moist; no odor; no staining; few fine sand		9047 SB-13-30 8260B	2.5		0.0	30	12" Dry Granular Bentonite 11" Penn Plax Filter in #3 Sand
30.5			POORLY GRADED SAND ; SP; 10YR 6/4 light yellowish brown; fine-grained; moist; no odor; no staining; trace to few fines; trace medium sand Hole terminated at 30.5 feet.							

GEO FORM 304 ADDNL_SB_BORINGS.GPJ STANTEC001.GDT 9/25/19

PROJECT: **CTR - Carson**
 LOCATION: **353 W. Gardena Blvd. Carson, CA**
 PROJECT NUMBER: **185804367**

WELL / PROBEHOLE / BOREHOLE NO:



SB-14 PAGE 1 OF 1

DRILLING: STARTED **9/23/19** COMPLETED: **9/23/19**
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Interphase**
 DRILLING EQUIPMENT: **6600**
 DRILLING METHOD: **DPT**
 SAMPLING EQUIPMENT: **Jar/Acetate**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **30.5**
 STATIC DTW (ft): **NE** WELL DEPTH (ft): ---
 WELL CASING DIAMETER (in): --- BOREHOLE DIAMETER (in): **2.25**
 LOGGED BY: **MFB** CHECKED BY: **BV**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID Method	Measured Recovery (ft.)	Blow Count	PID Reading (ppmv)	Depth (feet)	Borehole Backfill
0 - 1		SM	Fine to coarse-grained; no staining; variable silt; minor debris and gravel		1034 SB-14-1 8015B	4		0.0	0	
1 - 5		SP-SM	SILTY SAND ; SM; 7.5YR 4/4 brown; fine to coarse-grained; non plastic; dry; no odor; no staining; some silt; trace fine gravel; root fragments		1036 SB-14-3 8015B	4		0.0	0	
5 - 10		ML	POORLY GRADED SAND - SILTY SAND ; SP-SM; 5YR 4/4 reddish brown; fine to medium-grained; slightly moist; no odor; no staining; little to some silt; few coarse sand; trace root fragments		1041 SB-14-5 8015B 8260B	4		0.0	5	x3 1/4" Nylaflo tubing in Hydrated Granular Bentonite
10 - 15		SP	SILT WITH SAND ; ML; 7.5YR 4/6 strong brown; non plastic; slightly moist; no odor; no staining; few to little fine sand; trace medium sand; stiff		1043 SB-14-10 8260B	4		0.0	10	6" Dry Granular Bentonite
15 - 20		ML	POORLY GRADED SAND ; SP; 10YR 4/4 dark yellowish brown; fine to medium-grained; moist; no odor; no staining; few coarse sand; trace fine gravel; trace to few fines		1046 SB-14-15 8260B	4		0.0	15	x2 1/4" Nylaflo tubing in Hydrated Granular Bentonite
20 - 25		ML	SAME AS ABOVE ; 10YR 5/3 brown		1050 SB-14-20 8260B	4		0.0	20	6" Dry Granular Bentonite
25 - 30		ML	SILT WITH SAND ; ML; 10YR 4/3 brown; non plastic; moist; no odor; minor oxidation staining; few to little fine sand		1101 SB-14-25 8260B	4		0.0	25	11" Penn Plax Filter in #3 Sand
30 - 30.5		ML	SANDY SILT ; ML; 10YR 5/4 yellowish brown; non plastic; moist; no odor; no staining; some very fine to silt sand; trace medium sand		1118 SB-14-30 8260B	2.5		0.0	30	6" Dry Granular Bentonite
30.5 - 31		SP	POORLY GRADED SAND WITH SILT ; SP; 10YR 5/3 brown; very fine to fine-grained; moist; no odor; no staining; little silt; trace medium sand							1/4" Nylaflo tubing in Hydrated Granular Bentonite
31 - 30.5		SP	POORLY GRADED SAND ; SP; 10YR 6/4 light yellowish brown; very fine to fine-grained; slightly moist; no odor; no staining; few silt fines							12" Dry Granular Bentonite
			Hole terminated at 30.5 feet.							

GEO FORM 304 ADDNL_SB_BORINGS.GPJ STANTEC001.GDT 9/25/19

PROJECT: **CTR - Carson**
 LOCATION: **353 W. Gardena Blvd. Carson, CA**
 PROJECT NUMBER: **185804367**

WELL / PROBEHOLE / BOREHOLE NO:

SB-15 PAGE 1 OF 1



DRILLING: STARTED **9/23/19** COMPLETED: **9/23/19**
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Interphase**
 DRILLING EQUIPMENT: **6600**
 DRILLING METHOD: **DPT**
 SAMPLING EQUIPMENT: **Jar/Acetate**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **30.5**
 STATIC DTW (ft): **NE** WELL DEPTH (ft): ---
 WELL CASING DIAMETER (in): --- BOREHOLE DIAMETER (in): **2.25**
 LOGGED BY: **MFB** CHECKED BY: **BV**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID Method	Measured Recovery (ft.)	Blow Count	PID Reading (ppmv)	Depth (feet)	Borehole Backfill
0 - 1		SM	Fine to coarse-grained; no staining; variable silt; minor debris and gravel		1228 SB-15-41 8015B	4		0.0	0	
1 - 2		SP-SM	SILTY SAND ; SM; 10YR 4/3 brown; fine to medium-grained; non plastic; dry; no odor; no staining; some silt; few coarse sand; ~20% glass, plastic and brick debris		1232 SB-15-3 8015B	4		0.0	1	
2 - 5		ML	POORLY GRADED SAND - SILTY SAND ; SP-SM; 5YR 4/4 reddish brown; fine to medium-grained; slightly moist; no odor; no staining; little to some silt; few coarse sand; trace root fragments		1241 SB-15-5 8015B 8260B	4		0.0	5	x3 1/4" Nylaflo tubing in Hydrated Granular Bentonite
5 - 10		SP	SILT WITH SAND ; ML; 7.5YR 4/6 strong brown; non plastic; slightly moist; no odor; no staining; few to little fine sand; trace medium sand; stiff		1243 SB-15-10 8260B	4		0.0	10	6" Dry Granular Bentonite 11" Penn Plax Filter in #3 Sand 6" Dry Granular Bentonite
10 - 15		SP	POORLY GRADED SAND WITH GRAVEL ; SP; 7.5YR 5/3 brown; fine to coarse-grained; dry to slightly moist; no odor; no staining; little fine to medium gravel; few fines		1246 SB-15-15 8260B	4		0.0	15	x2 1/4" Nylaflo tubing in Hydrated Granular Bentonite
15 - 20		ML	POORLY GRADED SAND ; SP; 10YR 6/3 pale brown; fine-grained; dry; no odor; no staining; trace to few medium sand; trace fines		1251 SB-15-20 8260B	4		0.0	20	6" Dry Granular Bentonite 11" Penn Plax Filter in #3 Sand 6" Dry Granular Bentonite
20 - 25		ML	SILT ; ML; 10YR 4/4 dark yellowish brown; non plastic; moist; no odor; no staining; minor oxidation staining; few to little very fine to fine sand		1258 SB-15-25 8260B	4		0.0	25	1/4" Nylaflo tubing in Hydrated Granular Bentonite
25 - 30		ML	SAND WITH SAND ; ML; 7.5YR 4/4 brown; non plastic; moist; no odor; no staining; few to little fine to medium sand; soft		1300 SB-15-30 8260B	2.5		0.0	30	12" Dry Granular Bentonite 11" Penn Plax Filter in #3 Sand
30 - 30.5		SP	POORLY GRADED SAND ; SP; 10YR 6/4 light yellowish brown; very fine to fine-grained; slightly moist; no odor; no staining; few silt fines Hole terminated at 30.5 feet.							

GEO FORM 304 ADDNL_SB_BORINGS.GPJ STANTEC001.GDT 9/25/19

PROJECT: **CTR - Carson**
 LOCATION: **353 W. Gardena Blvd. Carson, CA**
 PROJECT NUMBER: **185804367**

WELL / PROBEHOLE / BOREHOLE NO:



SB-16 PAGE 1 OF 1

DRILLING: STARTED **9/23/19** COMPLETED: **9/23/19**
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Interphase**
 DRILLING EQUIPMENT: **6600**
 DRILLING METHOD: **DPT**
 SAMPLING EQUIPMENT: **Jar/Acetate**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **30.5**
 STATIC DTW (ft): **NE** WELL DEPTH (ft): ---
 WELL CASING DIAMETER (in): --- BOREHOLE DIAMETER (in): **2.25**
 LOGGED BY: **MFB** CHECKED BY: **BV**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID Method	Measured Recovery (ft.)	Blow Count	PID Reading (ppmv)	Depth (feet)	Borehole Backfill
0 - 1		SM	Fine to coarse-grained; no staining; variable silt; minor debris and gravel		1338 SB-16-1 8015B	4		0.0	0	
1 - 2		SM	SILTY SAND ; SM; 10YR 4/3 brown; fine to medium-grained; non plastic; dry; no odor; no staining; some silt; few coarse sand		1343 SB-16-3 8015B	4		0.0	1	x3 1/4" Nylaflo tubing in Hydrated Granular Bentonite
2 - 3		SM	SILTY SAND ; SM; 7.5YR 4/4 brown; fine to medium-grained; non plastic; dry; no odor; no staining; some silt; few coarse sand		1350 SB-16-5 8015B 8260B	4		0.0	2	6" Dry Granular Bentonite
3 - 4		SM	SILTY SAND ; SM; 7.5YR 3/3 dark brown; fine-grained; non plastic; moist; no odor; no staining; some silt; few to little medium sand; trace coarse sand		1353 SB-16-10 8260B	4		0.0	3	11" Penn Plax Filter in #3 Sand
4 - 10		SP	POORLY GRADED SAND ; SP; 7.5YR 5/4 brown; fine-grained; moist; no odor; no staining; few medium sand; trace coarse sand; few fines		1355 SB-16-15 8260B	4		0.0	4	6" Dry Granular Bentonite
10 - 15		SP	POORLY GRADED SAND ; SP; 7.5YR 5/4 brown; fine-grained; moist; no odor; no staining; few medium sand; trace coarse sand; few fines		1358 SB-16-20 8260B	4		0.0	5	11" Penn Plax Filter in #3 Sand
15 - 20		ML	SAME AS ABOVE ; fine to coarse-grained SILT WITH SAND ; ML; 7.5YR 3/3 dark brown; non plastic; moist; no odor; no staining; little fine sand; trace medium sand		1401 SB-16-25 8260B	4		0.0	6	6" Dry Granular Bentonite
20 - 25		ML	SILT ; ML; 7.5YR 4/4 brown; non plastic; moist; no odor; no staining; few very fine to fine sand; trace medium sand		1403 SB-16-30 8260B	2.5		0.0	7	11" Penn Plax Filter in #3 Sand
25 - 30		ML-SM	SANDY SILT - SILTY SAND ; ML-SM; 10YR 5/3 brown; non plastic; moist; no odor; no staining; ~50% silt/fine sand; high dilatancy						8	1/4" Nylaflo tubing in Hydrated Granular Bentonite
30 - 30.5		SP	POORLY GRADED SAND ; SP; 10YR 6/4 light yellowish brown; very fine to fine-grained; slightly moist; no odor; no staining; few silt fines Hole terminated at 30.5 feet.						9	12" Dry Granular Bentonite

GEO FORM 304 ADDNL_SB_BORINGS.GPJ STANTEC001.GDT 9/25/19

PROJECT: **CTR - Carson**
 LOCATION: **353 W. Gardena Blvd. Carson, CA**
 PROJECT NUMBER: **185804367**

WELL / PROBEHOLE / BOREHOLE NO:

SB-17 PAGE 1 OF 1



DRILLING: STARTED **9/24/19** COMPLETED: **9/24/19**
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Interphase**
 DRILLING EQUIPMENT: **6600**
 DRILLING METHOD: **DPT**
 SAMPLING EQUIPMENT: **Jar/Acetate**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **30.5**
 STATIC DTW (ft): **NE** WELL DEPTH (ft): ---
 WELL CASING DIAMETER (in): --- BOREHOLE DIAMETER (in): **2.25**
 LOGGED BY: **MFB** CHECKED BY: **BV**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID Method	Measured Recovery (ft.)	Blow Count	PID Reading (ppmv)	Depth (feet)	Borehole Backfill
0 - 5		SP-SM SM	Fine to coarse-grained; no staining; variable silt; minor debris and gravel POORLY GRADED SAND - SILTY SAND ; SP-SM; 7.5YR 4/3 brown; fine to coarse-grained; non plastic; dry; no odor; no staining; little to some silt; few fine gravel; root fragments SILTY SAND ; SM; 7.5YR 3/3 dark brown; fine-grained; non plastic; moist; no odor; no staining; some silt; few medium sand; trace coarse sand and fine gravel SAME AS ABOVE ; no coarse sand or gravel		0703 SB-17-1 8015B 0708 SB-17-3 8015B 0721 SB-17-5 8015B 8260B	4 4		0.0 5		
5 - 10		SP	POORLY GRADED SAND WITH SILT ; SP; 10YR 4/4 dark yellowish brown; fine-grained; moist; no odor; no staining; little silt; trace medium sand		0724 SB-17-10 8260B	4		0.0	10	
10 - 15		SP	POORLY GRADED SAND ; SP; 10YR 5/3 brown; fine to coarse-grained; moist; no odor; no staining; few fines; few fine gravel		0727 SB-17-15 8260B	4		0.0	15	
15 - 20		SM	SILTY SAND ; SM; 10YR 4/3 brown; very fine to fine-grained; non plastic; moist; no odor; no staining; some silt; trace medium sand		0729 SB-17-20 8260B	4		0.0	20	
20 - 25		ML	SANDY SILT ; ML; 10YR 4/3 brown; non plastic; moist; no odor; slight oxidation staining; some fine sand; high to moderate dilatancy; trace clay		0935 SB-17-25 8260B	4		0.0	25	
25 - 30		SP	POORLY GRADED SAND ; SP; 10YR 6/3 pale brown; fine-grained; moist; no odor; no staining; loose; trace medium sand; trace to few fines Hole terminated at 30.5 feet.		0738 SB-17-30 8260B	2.5		0.0	30	

GEO FORM 304 ADDNL_SB_BORINGS.GPJ STANTEC001.GDT 9/25/19

PROJECT: **CTR - Carson**
 LOCATION: **353 W. Gardena Blvd. Carson, CA**
 PROJECT NUMBER: **185804367**

WELL / PROBEHOLE / BOREHOLE NO:

SB-18 PAGE 1 OF 1



DRILLING: STARTED **9/24/19** COMPLETED: **9/24/19**
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Interphase**
 DRILLING EQUIPMENT: **6600**
 DRILLING METHOD: **DPT**
 SAMPLING EQUIPMENT: **Jar/Acetate**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **30.5**
 STATIC DTW (ft): **NE** WELL DEPTH (ft): ---
 WELL CASING DIAMETER (in): --- BOREHOLE DIAMETER (in): **2.25**
 LOGGED BY: **MFB** CHECKED BY: **BV**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID Method	Measured Recovery (ft.)	Blow Count	PID Reading (ppmv)	Depth (feet)	Borehole Backfill
5		SM	Fine to coarse-grained; no staining; variable silt; minor debris and gravel SILTY SAND ; SM; 5YR 3/3 dark reddish brown; fine-grained; non plastic; slightly moist; no odor; no staining; some silt; few medium sand; brick fragments; trace fine gravel SAME AS ABOVE ; fine to medium-grained; few brick fragments	0809 SB-18-1 8015B	4	0.0				
		SM		0812 SB-18-3 8015B						
		SP-SM	POORLY GRADED SAND - SILTY SAND ; SP-SM; 5YR 4/3 reddish brown; fine-grained; non plastic; moist; no odor; no staining; very stiff/hard; little to some silt	0818 SB-18-5 8015B	4	0.0				
		SP	POORLY GRADED SAND WITH SILT ; SP; 7.5YR 4/6 strong brown; fine-grained; moist; no odor; no staining; little silt; trace medium sand	0820 SB-18-10 8260B						
		SP	POORLY GRADED SAND ; SP; 7.5YR 5/4 brown; fine-grained; moist; no odor; no staining; few medium sand; trace to few coarse sand; few fines	0822 SB-18-15 8260B	4	0.0				
		SM	SILTY SAND ; SM; 7.5YR 4/4 brown; very fine to fine-grained; non plastic; moist; no odor; no staining; some silt	0825 SB-18-20 8260B						
		ML	SANDY SILT ; ML; 10YR 4/3 brown; non plastic; moist; no odor; slight oxidation staining; some fine sand; high to moderate dilatancy; trace clay	0828 SB-18-25 8260B	4	0.0				
		SP	POORLY GRADED SAND ; SP; 7.5YR 6/3 light brown; fine-grained; moist; no odor; no staining; trace medium to coarse sand; trace fines Hole terminated at 30.5 feet.	0831 SB-18-30 8260B						

GEO FORM 304 ADDNL_SB_BORINGS.GPJ STANTEC001.GDT 9/25/19

APPENDIX B
LABORATORY REPORTS



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C
 ONTARIO, CA 91761

951-779-0310
 www.arlaboratories.com

FAX 951-779-0344
 office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
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CASE NARRATIVE

Authorized Signature Name / Title (print)	Ken Zheng, President
Signature / Date	<i>Ken Zheng</i> Ken Zheng, President 09/30/2019 15:37:17
Laboratory Job No. (Certificate of Analysis No.)	1909-00218
Project Name / No.	333 W. Gardena Blvd., Gardena, CA 90248
Dates Sampled (from/to)	09/27/19 To 09/27/19
Dates Received (from/to)	09/27/19 To 09/27/19
Dates Reported (from/to)	09/30/19 To 9/30/2019
Chains of Custody Received	Yes

Comments:

Subcontracting
 Organic Analyses
 No analyses sub-contracted

Sample Condition(s)
 All samples intact

Positive Results (Organic Compounds)											
Sample	Analyte	Result	Qual	Units	RL	Sample	Analyte	Result	Qual	Units	RL
SB-13-5	Tetrachloroethene	11		µg/L	0.025	SB-13-15	Tetrachloroethene	39		µg/L	0.025
SB-13-15	Trichloroethene	0.060		µg/L	0.025	SB-13-30	Tetrachloroethene	90		µg/L	0.025
SB-13-30	Trichloroethene	0.38		µg/L	0.025	SB-13-30	Trichlorotrifluoroethane	0.19		µg/L	0.025
SB-14-5	Tetrachloroethene	22		µg/L	0.025	SB-14-5	Trichloroethene	0.030		µg/L	0.025
SB-14-15	Tetrachloroethene	58		µg/L	0.025	SB-14-15	Trichloroethene	0.23		µg/L	0.025
SB-14-15	Trichlorofluoromethane	0.070		µg/L	0.025	SB-14-30	Tetrachloroethene	95		µg/L	0.025
SB-14-30	Trichloroethene	0.64		µg/L	0.025	SB-14-30	Trichlorofluoromethane	0.30		µg/L	0.025
SB-15-5	Tetrachloroethene	6.3		µg/L	0.13	SB-15-15	Tetrachloroethene	4.3		µg/L	0.13
SB-15-30	Tetrachloroethene	5.3		µg/L	0.13	SB-16-5	Tetrachloroethene	0.99		µg/L	0.13
SB-16-15	Tetrachloroethene	1.5		µg/L	0.13	SB-16-30	Tetrachloroethene	15		µg/L	0.13
SB-17-5	Tetrachloroethene	0.98		µg/L	0.050	SB-17-15	Tetrachloroethene	5.6		µg/L	0.050
SB-17-30	Tetrachloroethene	11		µg/L	0.050	SB-18-5	Tetrachloroethene	0.43		µg/L	0.050
SB-18-15	Tetrachloroethene	11		µg/L	0.050	SB-18-30	Tetrachloroethene	19		µg/L	0.050
SB-18-30	Trichloroethene	0.050		µg/L	0.050	SB-18-30 DUP	Tetrachloroethene	20		µg/L	0.050
SB-18-30 DUP	Trichloroethene	0.040	J	µg/L	0.050						



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FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

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CERTIFICATE OF ANALYSIS

1909-00218

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 001 SB-13-5								Date & Time Sampled: 09/27/19	@	7:25
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	7:40	KZ
t-Amyl Methyl Ether (TAME)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Benzene	<0.0090		µg/L	EPA 8260B	0.3	0.0090	0.013	09/27/19	7:40	KZ
Bromobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Bromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Bromodichloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Bromoform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Bromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
t-Butanol (TBA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	7:40	KZ
2-Butanone (MEK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	7:40	KZ
n-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
sec-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
tert-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Carbon Disulfide	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	7:40	KZ
Carbon Tetrachloride	<0.0063		µg/L	EPA 8260B	0.3	0.0063	0.013	09/27/19	7:40	KZ
Chlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Chloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Chloroform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Chloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
2-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
4-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Dibromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,2-Dibromoethane (EDB)	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	7:40	KZ
1,2-Dibromo-3-Chloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	7:40	KZ
Dibromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,2-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,3-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,4-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Dichlorodifluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,1-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ

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CERTIFICATE OF ANALYSIS

1909-00218

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 001 SB-13-5								Date & Time Sampled: 09/27/19	@	7:25
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
1,2-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,1-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
cis-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
trans-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,3-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
2,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,1-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
cis-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
trans-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Diisopropyl Ether (DIPE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Ethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Hexachlorobutadiene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
2-Hexanone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	7:40	KZ
Isopropylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
4-Isopropyltoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Methylene Chloride	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.03	09/27/19	7:40	KZ
4-Methyl-2-Pentanone (MIBK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	7:40	KZ
Methyl-t-butyl Ether (MtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Naphthalene	<0.0080		µg/L	EPA 8260B	0.3	0.0080	0.013	09/27/19	7:40	KZ
n-Propylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Styrene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,1,1,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,1,1,2,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Tetrachloroethene	11		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Toluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,2,3-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,2,4-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,1,1-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ

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CERTIFICATE OF ANALYSIS

1909-00218

STANTEC CONSULTING SVCS., INC.
BRIAN VIGGIANO
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported 09/30/19
Date Received 09/27/19
Invoice No. 86941
Cust # 1003
Permit Number
Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 001 SB-13-5 Date & Time Sampled: 09/27/19 @ 7:25										
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
1,1,2-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Trichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,2,3-Trichloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	7:40	KZ
Trichlorofluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Trichlorotrifluoroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,2,4-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
1,3,5-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
Vinyl Chloride	<0.0020		µg/L	EPA 8260B	0.3	0.0020	0.013	09/27/19	7:40	KZ
m,p-Xylenes	<0.0250		µg/L	EPA 8260B	0.3	0.0250	0.050	09/27/19	7:40	KZ
o-Xylene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	7:40	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	7:40	KZ
[VOC Surrogates]										
Dibromofluoromethane	94		%REC	EPA 8260B			70-130	09/27/19	7:40	KZ
Toluene-D8	100		%REC	EPA 8260B			70-130	09/27/19	7:40	KZ
Bromofluorobenzene	99		%REC	EPA 8260B			70-130	09/27/19	7:40	KZ
Sample: 002 SB-13-15 Date & Time Sampled: 09/27/19 @ 7:52										
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:04	KZ
t-Amyl Methyl Ether (TAME)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Benzene	<0.0090		µg/L	EPA 8260B	0.3	0.0090	0.013	09/27/19	8:04	KZ
Bromobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Bromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Bromodichloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Bromoform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Bromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
t-Butanol (TBA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:04	KZ

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CERTIFICATE OF ANALYSIS

1909-00218

STANTEC CONSULTING SVCS., INC.
BRIAN VIGGIANO
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported 09/30/19
Date Received 09/27/19
Invoice No. 86941
Cust # 1003
Permit Number
Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 002 SB-13-15								Date & Time Sampled:	09/27/19	@ 7:52
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
2-Butanone (MEK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:04	KZ
n-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
sec-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
tert-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Carbon Disulfide	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:04	KZ
Carbon Tetrachloride	<0.0063		µg/L	EPA 8260B	0.3	0.0063	0.013	09/27/19	8:04	KZ
Chlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Chloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Chloroform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Chloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
2-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
4-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Dibromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,2-Dibromoethane (EDB)	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	8:04	KZ
1,2-Dibromo-3-Chloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	8:04	KZ
Dibromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,2-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,3-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,4-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Dichlorodifluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,1-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,2-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,1-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
cis-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
trans-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,3-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
2,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,1-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
cis-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ

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Date Reported 09/30/19
Date Received 09/27/19
Invoice No. 86941
Cust # 1003
Permit Number
Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 002 SB-13-15								Date & Time Sampled:	09/27/19	@ 7:52
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
trans-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Diisopropyl Ether (DIPE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Ethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Hexachlorobutadiene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
2-Hexanone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:04	KZ
Isopropylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
4-Isopropyltoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Methylene Chloride	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.03	09/27/19	8:04	KZ
4-Methyl-2-Pentanone (MIBK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:04	KZ
Methyl-t-butyl Ether (MtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Naphthalene	<0.0080		µg/L	EPA 8260B	0.3	0.0080	0.013	09/27/19	8:04	KZ
n-Propylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Styrene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,1,1,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,1,2,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Tetrachloroethene	39		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Toluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,2,3-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,2,4-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,1,1-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,1,2-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Trichloroethene	0.060		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,2,3-Trichloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	8:04	KZ
Trichlorofluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Trichlorotrifluoroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,2,4-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
1,3,5-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
Vinyl Chloride	<0.0020		µg/L	EPA 8260B	0.3	0.0020	0.013	09/27/19	8:04	KZ
m,p-Xylenes	<0.0250		µg/L	EPA 8260B	0.3	0.0250	0.050	09/27/19	8:04	KZ

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CERTIFICATE OF ANALYSIS

1909-00218

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 002 SB-13-15						Date & Time Sampled:		09/27/19	@	7:52
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
o-Xylene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:04	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:04	KZ
[VOC Surrogates]										
Dibromofluoromethane	94		%REC	EPA 8260B			70-130	09/27/19	8:04	KZ
Toluene-D8	100		%REC	EPA 8260B			70-130	09/27/19	8:04	KZ
Bromofluorobenzene	100		%REC	EPA 8260B			70-130	09/27/19	8:04	KZ
Sample: 003 SB-13-30						Date & Time Sampled:		09/27/19	@	8:18
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:28	KZ
t-Amyl Methyl Ether (TAME)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Benzene	<0.0090		µg/L	EPA 8260B	0.3	0.0090	0.013	09/27/19	8:28	KZ
Bromobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Bromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Bromodichloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Bromoform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Bromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
t-Butanol (TBA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:28	KZ
2-Butanone (MEK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:28	KZ
n-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
sec-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
tert-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Carbon Disulfide	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:28	KZ
Carbon Tetrachloride	<0.0063		µg/L	EPA 8260B	0.3	0.0063	0.013	09/27/19	8:28	KZ
Chlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Chloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Chloroform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ

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BRIAN VIGGIANO
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported 09/30/19
Date Received 09/27/19
Invoice No. 86941
Cust # 1003
Permit Number
Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 003 SB-13-30								Date & Time Sampled: 09/27/19	@ 8:18	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
Chloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
2-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
4-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Dibromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,2-Dibromoethane (EDB)	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	8:28	KZ
1,2-Dibromo-3-Chloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	8:28	KZ
Dibromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,2-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,3-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,4-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Dichlorodifluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,1-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,2-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,1-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
cis-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
trans-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,3-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
2,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,1-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
cis-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
trans-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Diisopropyl Ether (DiPE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Ethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Hexachlorobutadiene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
2-Hexanone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:28	KZ
Isopropylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
4-Isopropyltoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Methylene Chloride	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.03	09/27/19	8:28	KZ

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STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 003 SB-13-30								Date & Time Sampled: 09/27/19	@ 8:18	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
4-Methyl-2-Pentanone (MIBK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:28	KZ
Methyl-t-butyl Ether (MtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Naphthalene	<0.0080		µg/L	EPA 8260B	0.3	0.0080	0.013	09/27/19	8:28	KZ
n-Propylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Styrene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,1,1,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,1,2,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Tetrachloroethane	90		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Toluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,2,3-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,2,4-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,1,1-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,1,2-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Trichloroethene	0.38		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,2,3-Trichloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	8:28	KZ
Trichlorofluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Trichlorotrifluoroethane	0.19		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,2,4-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
1,3,5-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
Vinyl Chloride	<0.0020		µg/L	EPA 8260B	0.3	0.0020	0.013	09/27/19	8:28	KZ
m,p-Xylenes	<0.0250		µg/L	EPA 8260B	0.3	0.0250	0.050	09/27/19	8:28	KZ
o-Xylene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:28	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:28	KZ
[VOC Surrogates]										
Dibromofluoromethane	90		%REC	EPA 8260B			70-130	09/27/19	8:28	KZ
Toluene-D8	98		%REC	EPA 8260B			70-130	09/27/19	8:28	KZ
Bromofluorobenzene	100		%REC	EPA 8260B			70-130	09/27/19	8:28	KZ

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Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 004 SB-14-5								Date & Time Sampled:	09/27/19	@ 8:48
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:59	KZ
t-Amyl Methyl Ether (TAME)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Benzene	<0.0090		µg/L	EPA 8260B	0.3	0.0090	0.013	09/27/19	8:59	KZ
Bromobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Bromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Bromodichloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Bromoform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Bromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
t-Butanol (TBA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:59	KZ
2-Butanone (MEK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:59	KZ
n-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
sec-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
tert-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Carbon Disulfide	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:59	KZ
Carbon Tetrachloride	<0.0063		µg/L	EPA 8260B	0.3	0.0063	0.013	09/27/19	8:59	KZ
Chlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Chloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Chloroform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Chloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
2-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
4-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Dibromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,2-Dibromoethane (EDB)	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	8:59	KZ
1,2-Dibromo-3-Chloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	8:59	KZ
Dibromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,2-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,3-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,4-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Dichlorodifluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,1-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ

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ELAP#'s	2789
	2790
	2122

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CERTIFICATE OF ANALYSIS

1909-00218

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 004 SB-14-5								Date & Time Sampled: 09/27/19	@ 8:48	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
1,2-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,1-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
cis-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
trans-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,3-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
2,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,1-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
cis-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
trans-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Diisopropyl Ether (DIPE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Ethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Hexachlorobutadiene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
2-Hexanone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:59	KZ
Isopropylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
4-Isopropyltoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Methylene Chloride	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.03	09/27/19	8:59	KZ
4-Methyl-2-Pentanone (MIBK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:59	KZ
Methyl-t-butyl Ether (MtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Naphthalene	<0.0080		µg/L	EPA 8260B	0.3	0.0080	0.013	09/27/19	8:59	KZ
n-Propylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Styrene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,1,1,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,1,2,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Tetrachloroethene	22		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Toluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,2,3-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,2,4-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,1,1-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ

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BRIAN VIGGIANO

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SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 004 SB-14-5								Date & Time Sampled:	09/27/19	@ 8:48
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
1,1,2-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Trichloroethene	0.030		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,2,3-Trichloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	8:59	KZ
Trichlorofluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Trichlorotrifluoroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,2,4-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
1,3,5-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
Vinyl Chloride	<0.0020		µg/L	EPA 8260B	0.3	0.0020	0.013	09/27/19	8:59	KZ
m,p-Xylenes	<0.0250		µg/L	EPA 8260B	0.3	0.0250	0.050	09/27/19	8:59	KZ
o-Xylene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	8:59	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	8:59	KZ
[VOC Surrogates]										
Dibromofluoromethane	93		%REC	EPA 8260B			70-130	09/27/19	8:59	KZ
Toluene-D8	101		%REC	EPA 8260B			70-130	09/27/19	8:59	KZ
Bromofluorobenzene	101		%REC	EPA 8260B			70-130	09/27/19	8:59	KZ
Sample: 005 SB-14-15								Date & Time Sampled:	09/27/19	@ 9:14
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	9:24	KZ
t-Amyl Methyl Ether (TAME)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Benzene	<0.0090		µg/L	EPA 8260B	0.3	0.0090	0.013	09/27/19	9:24	KZ
Bromobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Bromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Bromodichloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Bromoform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Bromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
t-Butanol (TBA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	9:24	KZ

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STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 005 SB-14-15								Date & Time Sampled: 09/27/19	@ 9:14	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
2-Butanone (MEK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	9:24	KZ
n-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
sec-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
tert-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Carbon Disulfide	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	9:24	KZ
Carbon Tetrachloride	<0.0063		µg/L	EPA 8260B	0.3	0.0063	0.013	09/27/19	9:24	KZ
Chlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Chloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Chloroform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Chloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
2-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
4-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Dibromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,2-Dibromoethane (EDB)	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	9:24	KZ
1,2-Dibromo-3-Chloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	9:24	KZ
Dibromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,2-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,3-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,4-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Dichlorodifluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,1-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,2-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,1-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
cis-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
trans-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,3-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
2,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,1-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
cis-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ

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SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 005 SB-14-15								Date & Time Sampled:	09/27/19	@ 9:14
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
trans-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Diisopropyl Ether (DIPE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Ethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Hexachlorobutadiene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
2-Hexanone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	9:24	KZ
Isopropylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
4-Isopropyltoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Methylene Chloride	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.03	09/27/19	9:24	KZ
4-Methyl-2-Pentanone (MIBK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	9:24	KZ
Methyl-t-butyl Ether (MtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Naphthalene	<0.0080		µg/L	EPA 8260B	0.3	0.0080	0.013	09/27/19	9:24	KZ
n-Propylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Styrene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,1,1,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,1,2,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Tetrachloroethene	58		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Toluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,2,3-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,2,4-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,1,1-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,1,2-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Trichloroethene	0.23		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,2,3-Trichloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	9:24	KZ
Trichlorofluoromethane	0.070		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Trichlorotrifluoroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,2,4-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
1,3,5-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
Vinyl Chloride	<0.0020		µg/L	EPA 8260B	0.3	0.0020	0.013	09/27/19	9:24	KZ
m,p-Xylenes	<0.0250		µg/L	EPA 8260B	0.3	0.0250	0.050	09/27/19	9:24	KZ

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Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 005 SB-14-15 Date & Time Sampled: 09/27/19 @ 9:14 Sample Matrix: Soil Vapor Purge Volume Sampled: 3continued										
o-Xylene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:24	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	9:24	KZ
[VOC Surrogates]										
Dibromofluoromethane	91		%REC	EPA 8260B			70-130	09/27/19	9:24	KZ
Toluene-D8	100		%REC	EPA 8260B			70-130	09/27/19	9:24	KZ
Bromofluorobenzene	101		%REC	EPA 8260B			70-130	09/27/19	9:24	KZ
Sample: 006 SB-14-30 Date & Time Sampled: 09/27/19 @ 9:38 Sample Matrix: Soil Vapor Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	9:48	KZ
t-Amyl Methyl Ether (TAME)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Benzene	<0.0090		µg/L	EPA 8260B	0.3	0.0090	0.013	09/27/19	9:48	KZ
Bromobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Bromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Bromodichloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Bromoform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Bromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
t-Butanol (TBA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	9:48	KZ
2-Butanone (MEK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	9:48	KZ
n-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
sec-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
tert-Butylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Carbon Disulfide	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	9:48	KZ
Carbon Tetrachloride	<0.0063		µg/L	EPA 8260B	0.3	0.0063	0.013	09/27/19	9:48	KZ
Chlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Chloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Chloroform	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ

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CERTIFICATE OF ANALYSIS

1909-00218

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 006 SB-14-30								Date & Time Sampled: 09/27/19	@ 9:38	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
Chloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
2-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
4-Chlorotoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Dibromochloromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,2-Dibromoethane (EDB)	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	9:48	KZ
1,2-Dibromo-3-Chloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	9:48	KZ
Dibromomethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,2-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,3-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,4-Dichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Dichlorodifluoromethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,1-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,2-Dichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,1-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
cis-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
trans-1,2-Dichloroethene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,3-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
2,2-Dichloropropane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,1-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
cis-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
trans-1,3-Dichloropropene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Diisopropyl Ether (DiPE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Ethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Hexachlorobutadiene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
2-Hexanone	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	9:48	KZ
Isopropylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
4-Isopropyltoluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Methylene Chloride	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.03	09/27/19	9:48	KZ

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BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 006 SB-14-30								Date & Time Sampled:	09/27/19	@ 9:38
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
4-Methyl-2-Pentanone (MIBK)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	9:48	KZ
Methyl-t-butyl Ether (MtBE)	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Naphthalene	<0.0080		µg/L	EPA 8260B	0.3	0.0080	0.013	09/27/19	9:48	KZ
n-Propylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Styrene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,1,1,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,1,2,2-Tetrachloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Tetrachloroethene	95		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Toluene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,2,3-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,2,4-Trichlorobenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,1,1-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,1,2-Trichloroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Trichloroethene	0.64		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,2,3-Trichloropropane	<0.0050		µg/L	EPA 8260B	0.3	0.0050	0.025	09/27/19	9:48	KZ
Trichlorofluoromethane	0.30		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Trichlorotrifluoroethane	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,2,4-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
1,3,5-Trimethylbenzene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
Vinyl Chloride	<0.0020		µg/L	EPA 8260B	0.3	0.0020	0.013	09/27/19	9:48	KZ
m,p-Xylenes	<0.0250		µg/L	EPA 8260B	0.3	0.0250	0.050	09/27/19	9:48	KZ
o-Xylene	<0.0125		µg/L	EPA 8260B	0.3	0.0125	0.025	09/27/19	9:48	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.1250		µg/L	EPA 8260B	0.3	0.1250	0.25	09/27/19	9:48	KZ
[VOC Surrogates]										
Dibromofluoromethane	90		%REC	EPA 8260B			70-130	09/27/19	9:48	KZ
Toluene-D8	100		%REC	EPA 8260B			70-130	09/27/19	9:48	KZ
Bromofluorobenzene	101		%REC	EPA 8260B			70-130	09/27/19	9:48	KZ

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1909-00218

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 007 SB-15-5								Date & Time Sampled:	09/27/19	@ 10:05
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	10:15	KZ
t-Amyl Methyl Ether (TAME)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Benzene	<0.0468		µg/L	EPA 8260B	1.3	0.0468	0.065	09/27/19	10:15	KZ
Bromobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Bromochloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Bromodichloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Bromoform	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Bromomethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
t-Butanol (TBA)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	10:15	KZ
2-Butanone (MEK)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	10:15	KZ
n-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
sec-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
tert-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Carbon Disulfide	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	10:15	KZ
Carbon Tetrachloride	<0.0325		µg/L	EPA 8260B	1.3	0.0325	0.065	09/27/19	10:15	KZ
Chlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Chloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Chloroform	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Chloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
2-Chlorotoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
4-Chlorotoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Dibromochloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,2-Dibromoethane (EDB)	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	10:15	KZ
1,2-Dibromo-3-Chloropropane	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	10:15	KZ
Dibromomethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,2-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,3-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,4-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Dichlorodifluoromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,1-Dichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ

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Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 007 SB-15-5							Date & Time Sampled:	09/27/19	@	10:05
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
1,2-Dichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,1-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
cis-1,2-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
trans-1,2-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,2-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,3-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
2,2-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,1-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
cis-1,3-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
trans-1,3-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Diisopropyl Ether (DIPE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Ethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Hexachlorobutadiene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
2-Hexanone	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	10:15	KZ
Isopropylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
4-Isopropyltoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Methylene Chloride	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.1	09/27/19	10:15	KZ
4-Methyl-2-Pentanone (MIBK)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	10:15	KZ
Methyl-t-butyl Ether (MtBE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Naphthalene	<0.0416		µg/L	EPA 8260B	1.3	0.0416	0.065	09/27/19	10:15	KZ
n-Propylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Styrene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,1,1,2-Tetrachloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,1,2,2-Tetrachloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Tetrachloroethene	6.3		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Toluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,2,3-Trichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,2,4-Trichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,1,1-Trichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ

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CERTIFICATE OF ANALYSIS

1909-00218

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 007 SB-15-5						Date & Time Sampled:		09/27/19	@	10:05
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
1,1,2-Trichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Trichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,2,3-Trichloropropane	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	10:15	KZ
Trichlorofluoromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Trichlorotrifluoroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,2,4-Trimethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
1,3,5-Trimethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
Vinyl Chloride	<0.0104		µg/L	EPA 8260B	1.3	0.0104	0.065	09/27/19	10:15	KZ
m,p-Xylenes	<0.1300		µg/L	EPA 8260B	1.3	0.1300	0.26	09/27/19	10:15	KZ
o-Xylene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:15	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	10:15	KZ
[VOC Surrogates]										
Dibromofluoromethane	94		%REC	EPA 8260B			70-130	09/27/19	10:15	KZ
Toluene-D8	100		%REC	EPA 8260B			70-130	09/27/19	10:15	KZ
Bromofluorobenzene	100		%REC	EPA 8260B			70-130	09/27/19	10:15	KZ
Sample: 008 SB-15-15						Date & Time Sampled:		09/27/19	@	10:30
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	10:42	KZ
t-Amyl Methyl Ether (TAME)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Benzene	<0.0468		µg/L	EPA 8260B	1.3	0.0468	0.065	09/27/19	10:42	KZ
Bromobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Bromochloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Bromodichloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Bromoform	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Bromomethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
t-Butanol (TBA)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	10:42	KZ

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STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 008 SB-15-15								Date & Time Sampled: 09/27/19	@ 10:30	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
2-Butanone (MEK)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	10:42	KZ
n-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
sec-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
tert-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Carbon Disulfide	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	10:42	KZ
Carbon Tetrachloride	<0.0325		µg/L	EPA 8260B	1.3	0.0325	0.065	09/27/19	10:42	KZ
Chlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Chloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Chloroform	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Chloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
2-Chlorotoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
4-Chlorotoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Dibromochloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,2-Dibromoethane (EDB)	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	10:42	KZ
1,2-Dibromo-3-Chloropropane	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	10:42	KZ
Dibromomethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,2-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,3-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,4-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Dichlorodifluoromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,1-Dichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,2-Dichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,1-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
cis-1,2-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
trans-1,2-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,2-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,3-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
2,2-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,1-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
cis-1,3-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ

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1909-00218

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 008 SB-15-15								Date & Time Sampled:	09/27/19	@ 10:30
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
trans-1,3-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Diisopropyl Ether (DIPE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Ethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Hexachlorobutadiene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
2-Hexanone	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	10:42	KZ
Isopropylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
4-Isopropyltoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Methylene Chloride	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.1	09/27/19	10:42	KZ
4-Methyl-2-Pentanone (MIBK)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	10:42	KZ
Methyl-t-butyl Ether (MtBE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Naphthalene	<0.0416		µg/L	EPA 8260B	1.3	0.0416	0.065	09/27/19	10:42	KZ
n-Propylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Styrene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,1,1,2-Tetrachloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,1,2,2-Tetrachloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Tetrachloroethane	4.3		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Toluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,2,3-Trichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,2,4-Trichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,1,1-Trichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,1,2-Trichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Trichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,2,3-Trichloropropane	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	10:42	KZ
Trichlorofluoromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Trichlorotrifluoroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,2,4-Trimethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
1,3,5-Trimethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
Vinyl Chloride	<0.0104		µg/L	EPA 8260B	1.3	0.0104	0.065	09/27/19	10:42	KZ
m,p-Xylenes	<0.1300		µg/L	EPA 8260B	1.3	0.1300	0.26	09/27/19	10:42	KZ

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Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 008 SB-15-15						Date & Time Sampled:		09/27/19	@	10:30
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
o-Xylene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	10:42	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	10:42	KZ
[VOC Surrogates]										
Dibromofluoromethane	90		%REC	EPA 8260B			70-130	09/27/19	10:42	KZ
Toluene-D8	99		%REC	EPA 8260B			70-130	09/27/19	10:42	KZ
Bromofluorobenzene	100		%REC	EPA 8260B			70-130	09/27/19	10:42	KZ
Sample: 009 SB-15-30						Date & Time Sampled:		09/27/19	@	11:00
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	11:09	KZ
t-Amyl Methyl Ether (TAME)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Benzene	<0.0468		µg/L	EPA 8260B	1.3	0.0468	0.065	09/27/19	11:09	KZ
Bromobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Bromochloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Bromodichloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Bromoform	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Bromomethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
t-Butanol (TBA)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	11:09	KZ
2-Butanone (MEK)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	11:09	KZ
n-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
sec-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
tert-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Carbon Disulfide	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	11:09	KZ
Carbon Tetrachloride	<0.0325		µg/L	EPA 8260B	1.3	0.0325	0.065	09/27/19	11:09	KZ
Chlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Chloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Chloroform	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ

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USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



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CERTIFICATE OF ANALYSIS

1909-00218

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 009 SB-15-30							Date & Time Sampled:	09/27/19	@	11:00
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
Chloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
2-Chlorotoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
4-Chlorotoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Dibromochloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,2-Dibromoethane (EDB)	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	11:09	KZ
1,2-Dibromo-3-Chloropropane	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	11:09	KZ
Dibromomethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,2-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,3-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,4-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Dichlorodifluoromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,1-Dichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,2-Dichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,1-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
cis-1,2-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
trans-1,2-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,2-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,3-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
2,2-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,1-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
cis-1,3-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
trans-1,3-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Diisopropyl Ether (DiPE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Ethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Hexachlorobutadiene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
2-Hexanone	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	11:09	KZ
Isopropylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
4-Isopropyltoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Methylene Chloride	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.1	09/27/19	11:09	KZ

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SAN BERNARDINO, CA 92408

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Invoice No. 86941

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Permit Number

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Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 009 SB-15-30								Date & Time Sampled:	09/27/19	@ 11:00
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
4-Methyl-2-Pentanone (MIBK)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	11:09	KZ
Methyl-t-butyl Ether (MtBE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Naphthalene	<0.0416		µg/L	EPA 8260B	1.3	0.0416	0.065	09/27/19	11:09	KZ
n-Propylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Styrene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,1,1,2-Tetrachloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,1,2,2-Tetrachloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Tetrachloroethene	5.3		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Toluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,2,3-Trichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,2,4-Trichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,1,1-Trichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,1,2-Trichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Trichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,2,3-Trichloropropane	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	11:09	KZ
Trichlorofluoromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Trichlorotrifluoroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,2,4-Trimethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
1,3,5-Trimethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
Vinyl Chloride	<0.0104		µg/L	EPA 8260B	1.3	0.0104	0.065	09/27/19	11:09	KZ
m,p-Xylenes	<0.1300		µg/L	EPA 8260B	1.3	0.1300	0.26	09/27/19	11:09	KZ
o-Xylene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:09	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	11:09	KZ
[VOC Surrogates]										
Dibromofluoromethane		91	%REC	EPA 8260B			70-130	09/27/19	11:09	KZ
Toluene-D8		101	%REC	EPA 8260B			70-130	09/27/19	11:09	KZ
Bromofluorobenzene		99	%REC	EPA 8260B			70-130	09/27/19	11:09	KZ

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SAN BERNARDINO, CA 92408

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Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 010 SB-16-5								Date & Time Sampled: 09/27/19	@ 11:22	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	11:34	KZ
t-Amyl Methyl Ether (TAME)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Benzene	<0.0468		µg/L	EPA 8260B	1.3	0.0468	0.065	09/27/19	11:34	KZ
Bromobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Bromochloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Bromodichloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Bromoform	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Bromomethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
t-Butanol (TBA)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	11:34	KZ
2-Butanone (MEK)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	11:34	KZ
n-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
sec-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
tert-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Carbon Disulfide	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	11:34	KZ
Carbon Tetrachloride	<0.0325		µg/L	EPA 8260B	1.3	0.0325	0.065	09/27/19	11:34	KZ
Chlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Chloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Chloroform	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Chloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
2-Chlorotoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
4-Chlorotoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Dibromochloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,2-Dibromoethane (EDB)	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	11:34	KZ
1,2-Dibromo-3-Chloropropane	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	11:34	KZ
Dibromomethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,2-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,3-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,4-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Dichlorodifluoromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,1-Dichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ

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Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 010 SB-16-5								Date & Time Sampled: 09/27/19	@ 11:22	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
1,2-Dichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,1-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
cis-1,2-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
trans-1,2-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,2-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,3-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
2,2-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,1-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
cis-1,3-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
trans-1,3-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Diisopropyl Ether (DIPE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Ethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Hexachlorobutadiene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
2-Hexanone	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	11:34	KZ
Isopropylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
4-Isopropyltoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Methylene Chloride	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.1	09/27/19	11:34	KZ
4-Methyl-2-Pentanone (MIBK)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	11:34	KZ
Methyl-t-butyl Ether (MtBE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Naphthalene	<0.0416		µg/L	EPA 8260B	1.3	0.0416	0.065	09/27/19	11:34	KZ
n-Propylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Styrene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,1,1,2-Tetrachloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,1,2,2-Tetrachloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Tetrachloroethene	0.99		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Toluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,2,3-Trichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,2,4-Trichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,1,1-Trichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ

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ELAP#s	2789
	2790
	2122

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CERTIFICATE OF ANALYSIS

1909-00218

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 010 SB-16-5								Date & Time Sampled:	09/27/19	@ 11:22
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
1,1,2-Trichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Trichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,2,3-Trichloropropane	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	11:34	KZ
Trichlorofluoromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Trichlorotrifluoroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,2,4-Trimethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
1,3,5-Trimethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
Vinyl Chloride	<0.0104		µg/L	EPA 8260B	1.3	0.0104	0.065	09/27/19	11:34	KZ
m,p-Xylenes	<0.1300		µg/L	EPA 8260B	1.3	0.1300	0.26	09/27/19	11:34	KZ
o-Xylene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	11:34	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	11:34	KZ
[VOC Surrogates]										
Dibromofluoromethane	94		%REC	EPA 8260B			70-130	09/27/19	11:34	KZ
Toluene-D8	100		%REC	EPA 8260B			70-130	09/27/19	11:34	KZ
Bromofluorobenzene	102		%REC	EPA 8260B			70-130	09/27/19	11:34	KZ
Sample: 011 SB-16-15								Date & Time Sampled:	09/27/19	@ 12:06
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	12:16	KZ
t-Amyl Methyl Ether (TAME)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Benzene	<0.0468		µg/L	EPA 8260B	1.3	0.0468	0.065	09/27/19	12:16	KZ
Bromobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Bromochloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Bromodichloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Bromoform	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Bromomethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
t-Butanol (TBA)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	12:16	KZ

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BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 011 SB-16-15								Date & Time Sampled:	09/27/19	@ 12:06
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
2-Butanone (MEK)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	12:16	KZ
n-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
sec-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
tert-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Carbon Disulfide	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	12:16	KZ
Carbon Tetrachloride	<0.0325		µg/L	EPA 8260B	1.3	0.0325	0.065	09/27/19	12:16	KZ
Chlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Chloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Chloroform	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Chloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
2-Chlorotoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
4-Chlorotoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Dibromochloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,2-Dibromoethane (EDB)	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	12:16	KZ
1,2-Dibromo-3-Chloropropane	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	12:16	KZ
Dibromomethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,2-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,3-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,4-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Dichlorodifluoromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,1-Dichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,2-Dichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,1-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
cis-1,2-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
trans-1,2-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,2-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,3-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
2,2-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,1-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
cis-1,3-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ

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1909-00218

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BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 011 SB-16-15								Date & Time Sampled: 09/27/19	@ 12:06	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
trans-1,3-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Diisopropyl Ether (DIPE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Ethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Hexachlorobutadiene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
2-Hexanone	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	12:16	KZ
Isopropylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
4-Isopropyltoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Methylene Chloride	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.1	09/27/19	12:16	KZ
4-Methyl-2-Pentanone (MIBK)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	12:16	KZ
Methyl-t-butyl Ether (MtBE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Naphthalene	<0.0416		µg/L	EPA 8260B	1.3	0.0416	0.065	09/27/19	12:16	KZ
n-Propylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Styrene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,1,1,2-Tetrachloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,1,2,2-Tetrachloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Tetrachloroethane	1.5		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Toluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,2,3-Trichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,2,4-Trichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,1,1-Trichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,1,2-Trichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Trichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,2,3-Trichloropropane	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	12:16	KZ
Trichlorofluoromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Trichlorotrifluoroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,2,4-Trimethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
1,3,5-Trimethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
Vinyl Chloride	<0.0104		µg/L	EPA 8260B	1.3	0.0104	0.065	09/27/19	12:16	KZ
m,p-Xylenes	<0.1300		µg/L	EPA 8260B	1.3	0.1300	0.26	09/27/19	12:16	KZ

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735 E. CARNEGIE DR., STE. 280

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Invoice No. 86941

Cust # 1003

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Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 011 SB-16-15						Date & Time Sampled:		09/27/19	@ 12:06	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
o-Xylene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:16	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	12:16	KZ
[VOC Surrogates]										
Dibromofluoromethane	90		%REC	EPA 8260B			70-130	09/27/19	12:16	KZ
Toluene-D8	101		%REC	EPA 8260B			70-130	09/27/19	12:16	KZ
Bromofluorobenzene	99		%REC	EPA 8260B			70-130	09/27/19	12:16	KZ
Sample: 012 SB-16-30						Date & Time Sampled:		09/27/19	@ 12:34	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	12:44	KZ
t-Amyl Methyl Ether (TAME)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Benzene	<0.0468		µg/L	EPA 8260B	1.3	0.0468	0.065	09/27/19	12:44	KZ
Bromobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Bromochloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Bromodichloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Bromoform	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Bromomethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
t-Butanol (TBA)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	12:44	KZ
2-Butanone (MEK)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	12:44	KZ
n-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
sec-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
tert-Butylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Carbon Disulfide	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	12:44	KZ
Carbon Tetrachloride	<0.0325		µg/L	EPA 8260B	1.3	0.0325	0.065	09/27/19	12:44	KZ
Chlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Chloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Chloroform	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ

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SAN BERNARDINO, CA 92408

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 012 SB-16-30								Date & Time Sampled:	09/27/19	@ 12:34
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
Chloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
2-Chlorotoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
4-Chlorotoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Dibromochloromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,2-Dibromoethane (EDB)	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	12:44	KZ
1,2-Dibromo-3-Chloropropane	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	12:44	KZ
Dibromomethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,2-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,3-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,4-Dichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Dichlorodifluoromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,1-Dichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,2-Dichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,1-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
cis-1,2-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
trans-1,2-Dichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,2-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,3-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
2,2-Dichloropropane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,1-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
cis-1,3-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
trans-1,3-Dichloropropene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Diisopropyl Ether (DiPE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Ethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Hexachlorobutadiene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
2-Hexanone	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	12:44	KZ
Isopropylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
4-Isopropyltoluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Methylene Chloride	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.1	09/27/19	12:44	KZ

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CERTIFICATE OF ANALYSIS

1909-00218

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 012 SB-16-30								Date & Time Sampled:	09/27/19	@ 12:34
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
4-Methyl-2-Pentanone (MIBK)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	12:44	KZ
Methyl-t-butyl Ether (MtBE)	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Naphthalene	<0.0416		µg/L	EPA 8260B	1.3	0.0416	0.065	09/27/19	12:44	KZ
n-Propylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Styrene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,1,1,2-Tetrachloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,1,2,2-Tetrachloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Tetrachloroethane	15		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Toluene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,2,3-Trichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,2,4-Trichlorobenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,1,1-Trichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,1,2-Trichloroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Trichloroethene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,2,3-Trichloropropane	<0.0260		µg/L	EPA 8260B	1.3	0.0260	0.13	09/27/19	12:44	KZ
Trichlorofluoromethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Trichlorotrifluoroethane	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,2,4-Trimethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
1,3,5-Trimethylbenzene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
Vinyl Chloride	<0.0104		µg/L	EPA 8260B	1.3	0.0104	0.065	09/27/19	12:44	KZ
m,p-Xylenes	<0.1300		µg/L	EPA 8260B	1.3	0.1300	0.26	09/27/19	12:44	KZ
o-Xylene	<0.0650		µg/L	EPA 8260B	1.3	0.0650	0.13	09/27/19	12:44	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.6500		µg/L	EPA 8260B	1.3	0.6500	1.3	09/27/19	12:44	KZ
[VOC Surrogates]										
Dibromofluoromethane	91		%REC	EPA 8260B			70-130	09/27/19	12:44	KZ
Toluene-D8	100		%REC	EPA 8260B			70-130	09/27/19	12:44	KZ
Bromofluorobenzene	100		%REC	EPA 8260B			70-130	09/27/19	12:44	KZ

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CERTIFICATE OF ANALYSIS

1909-00218

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 013 SB-17-5								Date & Time Sampled: 09/27/19	@ 13:22	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	1:32	KZ
t-Amyl Methyl Ether (TAME)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Benzene	<0.0180		µg/L	EPA 8260B	0.5	0.0180	0.025	09/27/19	1:32	KZ
Bromobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Bromochloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Bromodichloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Bromoform	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Bromomethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
t-Butanol (TBA)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	1:32	KZ
2-Butanone (MEK)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	1:32	KZ
n-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
sec-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
tert-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Carbon Disulfide	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	1:32	KZ
Carbon Tetrachloride	<0.0125		µg/L	EPA 8260B	0.5	0.0125	0.025	09/27/19	1:32	KZ
Chlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Chloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Chloroform	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Chloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
2-Chlorotoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
4-Chlorotoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Dibromochloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,2-Dibromoethane (EDB)	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	1:32	KZ
1,2-Dibromo-3-Chloropropane	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	1:32	KZ
Dibromomethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,2-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,3-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,4-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Dichlorodifluoromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,1-Dichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ

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CERTIFICATE OF ANALYSIS

1909-00218

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 013 SB-17-5							Date & Time Sampled:	09/27/19	@	13:22
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
1,2-Dichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,1-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
cis-1,2-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
trans-1,2-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,2-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,3-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
2,2-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,1-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
cis-1,3-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
trans-1,3-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Diisopropyl Ether (DIPE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Ethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Hexachlorobutadiene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
2-Hexanone	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	1:32	KZ
Isopropylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
4-Isopropyltoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Methylene Chloride	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.05	09/27/19	1:32	KZ
4-Methyl-2-Pentanone (MIBK)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	1:32	KZ
Methyl-t-butyl Ether (MtBE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Naphthalene	<0.0160		µg/L	EPA 8260B	0.5	0.0160	0.025	09/27/19	1:32	KZ
n-Propylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Styrene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,1,1,2-Tetrachloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,1,2,2-Tetrachloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Tetrachloroethene	0.98		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Toluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,2,3-Trichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,2,4-Trichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,1,1-Trichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ

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BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 013 SB-17-5						Date & Time Sampled:		09/27/19	@	13:22
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
1,1,2-Trichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Trichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,2,3-Trichloropropane	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	1:32	KZ
Trichlorofluoromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Trichlorotrifluoroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,2,4-Trimethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
1,3,5-Trimethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
Vinyl Chloride	<0.0040		µg/L	EPA 8260B	0.5	0.0040	0.025	09/27/19	1:32	KZ
m,p-Xylenes	<0.0500		µg/L	EPA 8260B	0.5	0.0500	0.10	09/27/19	1:32	KZ
o-Xylene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:32	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	1:32	KZ
[VOC Surrogates]										
Dibromofluoromethane	88		%REC	EPA 8260B			70-130	09/27/19	1:32	KZ
Toluene-D8	100		%REC	EPA 8260B			70-130	09/27/19	1:32	KZ
Bromofluorobenzene	102		%REC	EPA 8260B			70-130	09/27/19	1:32	KZ
Sample: 014 SB-17-15						Date & Time Sampled:		09/27/19	@	13:49
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	1:59	KZ
t-Amyl Methyl Ether (TAME)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Benzene	<0.0180		µg/L	EPA 8260B	0.5	0.0180	0.025	09/27/19	1:59	KZ
Bromobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Bromochloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Bromodichloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Bromoform	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Bromomethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
t-Butanol (TBA)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	1:59	KZ

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CERTIFICATE OF ANALYSIS

1909-00218

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 014 SB-17-15						Date & Time Sampled:		09/27/19	@	13:49
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
2-Butanone (MEK)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	1:59	KZ
n-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
sec-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
tert-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Carbon Disulfide	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	1:59	KZ
Carbon Tetrachloride	<0.0125		µg/L	EPA 8260B	0.5	0.0125	0.025	09/27/19	1:59	KZ
Chlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Chloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Chloroform	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Chloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
2-Chlorotoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
4-Chlorotoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Dibromochloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,2-Dibromoethane (EDB)	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	1:59	KZ
1,2-Dibromo-3-Chloropropane	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	1:59	KZ
Dibromomethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,2-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,3-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,4-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Dichlorodifluoromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,1-Dichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,2-Dichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,1-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
cis-1,2-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
trans-1,2-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,2-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,3-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
2,2-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,1-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
cis-1,3-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ

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BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

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Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 014 SB-17-15						Date & Time Sampled:		09/27/19	@	13:49
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
trans-1,3-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Diisopropyl Ether (DIPE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Ethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Hexachlorobutadiene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
2-Hexanone	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	1:59	KZ
Isopropylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
4-Isopropyltoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Methylene Chloride	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.05	09/27/19	1:59	KZ
4-Methyl-2-Pentanone (MIBK)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	1:59	KZ
Methyl-t-butyl Ether (MtBE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Naphthalene	<0.0160		µg/L	EPA 8260B	0.5	0.0160	0.025	09/27/19	1:59	KZ
n-Propylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Styrene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,1,1,2-Tetrachloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,1,2,2-Tetrachloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Tetrachloroethane	5.6		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Toluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,2,3-Trichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,2,4-Trichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,1,1-Trichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,1,2-Trichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Trichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,2,3-Trichloropropane	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	1:59	KZ
Trichlorofluoromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Trichlorotrifluoroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,2,4-Trimethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
1,3,5-Trimethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
Vinyl Chloride	<0.0040		µg/L	EPA 8260B	0.5	0.0040	0.025	09/27/19	1:59	KZ
m,p-Xylenes	<0.0500		µg/L	EPA 8260B	0.5	0.0500	0.10	09/27/19	1:59	KZ

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1909-00218

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 014 SB-17-15						Date & Time Sampled:		09/27/19	@	13:49
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
o-Xylene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	1:59	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	1:59	KZ
[VOC Surrogates]										
Dibromofluoromethane	90		%REC	EPA 8260B			70-130	09/27/19	1:59	KZ
Toluene-D8	100		%REC	EPA 8260B			70-130	09/27/19	1:59	KZ
Bromofluorobenzene	100		%REC	EPA 8260B			70-130	09/27/19	1:59	KZ
Sample: 015 SB-17-30						Date & Time Sampled:		09/27/19	@	14:16
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	2:27	KZ
t-Amyl Methyl Ether (TAME)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Benzene	<0.0180		µg/L	EPA 8260B	0.5	0.0180	0.025	09/27/19	2:27	KZ
Bromobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Bromochloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Bromodichloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Bromoform	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Bromomethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
t-Butanol (TBA)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	2:27	KZ
2-Butanone (MEK)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	2:27	KZ
n-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
sec-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
tert-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Carbon Disulfide	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	2:27	KZ
Carbon Tetrachloride	<0.0125		µg/L	EPA 8260B	0.5	0.0125	0.025	09/27/19	2:27	KZ
Chlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Chloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Chloroform	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ

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BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 015 SB-17-30								Date & Time Sampled: 09/27/19	@ 14:16	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
Chloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
2-Chlorotoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
4-Chlorotoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Dibromochloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,2-Dibromoethane (EDB)	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	2:27	KZ
1,2-Dibromo-3-Chloropropane	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	2:27	KZ
Dibromomethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,2-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,3-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,4-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Dichlorodifluoromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,1-Dichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,2-Dichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,1-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
cis-1,2-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
trans-1,2-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,2-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,3-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
2,2-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,1-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
cis-1,3-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
trans-1,3-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Diisopropyl Ether (DiPE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Ethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Hexachlorobutadiene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
2-Hexanone	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	2:27	KZ
Isopropylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
4-Isopropyltoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Methylene Chloride	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.05	09/27/19	2:27	KZ

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CERTIFICATE OF ANALYSIS

1909-00218

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 015 SB-17-30								Date & Time Sampled:	09/27/19	@ 14:16
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
4-Methyl-2-Pentanone (MIBK)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	2:27	KZ
Methyl-t-butyl Ether (MtBE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Naphthalene	<0.0160		µg/L	EPA 8260B	0.5	0.0160	0.025	09/27/19	2:27	KZ
n-Propylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Styrene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,1,1,2-Tetrachloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,1,2,2-Tetrachloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Tetrachloroethene	11		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Toluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,2,3-Trichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,2,4-Trichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,1,1-Trichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,1,2-Trichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Trichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,2,3-Trichloropropane	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	2:27	KZ
Trichlorofluoromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Trichlorotrifluoroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,2,4-Trimethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
1,3,5-Trimethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
Vinyl Chloride	<0.0040		µg/L	EPA 8260B	0.5	0.0040	0.025	09/27/19	2:27	KZ
m,p-Xylenes	<0.0500		µg/L	EPA 8260B	0.5	0.0500	0.10	09/27/19	2:27	KZ
o-Xylene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:27	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	2:27	KZ
[VOC Surrogates]										
Dibromofluoromethane	85		%REC	EPA 8260B			70-130	09/27/19	2:27	KZ
Toluene-D8	101		%REC	EPA 8260B			70-130	09/27/19	2:27	KZ
Bromofluorobenzene	98		%REC	EPA 8260B			70-130	09/27/19	2:27	KZ

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STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 016 SB-18-5								Date & Time Sampled:	09/27/19	@ 14:50
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	2:54	KZ
t-Amyl Methyl Ether (TAME)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Benzene	<0.0180		µg/L	EPA 8260B	0.5	0.0180	0.025	09/27/19	2:54	KZ
Bromobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Bromochloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Bromodichloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Bromoform	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Bromomethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
t-Butanol (TBA)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	2:54	KZ
2-Butanone (MEK)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	2:54	KZ
n-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
sec-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
tert-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Carbon Disulfide	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	2:54	KZ
Carbon Tetrachloride	<0.0125		µg/L	EPA 8260B	0.5	0.0125	0.025	09/27/19	2:54	KZ
Chlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Chloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Chloroform	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Chloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
2-Chlorotoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
4-Chlorotoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Dibromochloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,2-Dibromoethane (EDB)	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	2:54	KZ
1,2-Dibromo-3-Chloropropane	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	2:54	KZ
Dibromomethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,2-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,3-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,4-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Dichlorodifluoromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,1-Dichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ

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STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 016 SB-18-5								Date & Time Sampled:	09/27/19	@ 14:50
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
1,2-Dichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,1-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
cis-1,2-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
trans-1,2-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,2-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,3-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
2,2-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,1-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
cis-1,3-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
trans-1,3-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Diisopropyl Ether (DIPE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Ethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Hexachlorobutadiene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
2-Hexanone	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	2:54	KZ
Isopropylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
4-Isopropyltoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Methylene Chloride	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.05	09/27/19	2:54	KZ
4-Methyl-2-Pentanone (MIBK)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	2:54	KZ
Methyl-t-butyl Ether (MtBE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Naphthalene	<0.0160		µg/L	EPA 8260B	0.5	0.0160	0.025	09/27/19	2:54	KZ
n-Propylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Styrene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,1,1,2-Tetrachloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,1,2,2-Tetrachloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Tetrachloroethene	0.43		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Toluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,2,3-Trichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,2,4-Trichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,1,1-Trichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ

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735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 016 SB-18-5						Date & Time Sampled:		09/27/19	@ 14:50	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
1,1,2-Trichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Trichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,2,3-Trichloropropane	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	2:54	KZ
Trichlorofluoromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Trichlorotrifluoroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,2,4-Trimethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
1,3,5-Trimethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
Vinyl Chloride	<0.0040		µg/L	EPA 8260B	0.5	0.0040	0.025	09/27/19	2:54	KZ
m,p-Xylenes	<0.0500		µg/L	EPA 8260B	0.5	0.0500	0.10	09/27/19	2:54	KZ
o-Xylene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	2:54	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	2:54	KZ
[VOC Surrogates]										
Dibromofluoromethane	86		%REC	EPA 8260B			70-130	09/27/19	2:54	KZ
Toluene-D8	98		%REC	EPA 8260B			70-130	09/27/19	2:54	KZ
Bromofluorobenzene	99		%REC	EPA 8260B			70-130	09/27/19	2:54	KZ
Sample: 017 SB-18-15						Date & Time Sampled:		09/27/19	@ 15:10	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	3:22	KZ
t-Amyl Methyl Ether (TAME)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Benzene	<0.0180		µg/L	EPA 8260B	0.5	0.0180	0.025	09/27/19	3:22	KZ
Bromobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Bromochloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Bromodichloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Bromoform	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Bromomethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
t-Butanol (TBA)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	3:22	KZ

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CERTIFICATE OF ANALYSIS

1909-00218

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 017 SB-18-15								Date & Time Sampled:	09/27/19	@ 15:10
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
2-Butanone (MEK)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	3:22	KZ
n-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
sec-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
tert-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Carbon Disulfide	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	3:22	KZ
Carbon Tetrachloride	<0.0125		µg/L	EPA 8260B	0.5	0.0125	0.025	09/27/19	3:22	KZ
Chlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Chloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Chloroform	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Chloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
2-Chlorotoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
4-Chlorotoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Dibromochloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,2-Dibromoethane (EDB)	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	3:22	KZ
1,2-Dibromo-3-Chloropropane	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	3:22	KZ
Dibromomethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,2-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,3-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,4-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Dichlorodifluoromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,1-Dichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,2-Dichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,1-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
cis-1,2-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
trans-1,2-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,2-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,3-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
2,2-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,1-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
cis-1,3-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ

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SAN BERNARDINO, CA 92408

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 017 SB-18-15								Date & Time Sampled:	09/27/19	@ 15:10
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
trans-1,3-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Diisopropyl Ether (DIPE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Ethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Hexachlorobutadiene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
2-Hexanone	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	3:22	KZ
Isopropylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
4-Isopropyltoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Methylene Chloride	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.05	09/27/19	3:22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	3:22	KZ
Methyl-t-butyl Ether (MtBE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Naphthalene	<0.0160		µg/L	EPA 8260B	0.5	0.0160	0.025	09/27/19	3:22	KZ
n-Propylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Styrene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,1,1,2-Tetrachloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,1,2,2-Tetrachloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Tetrachloroethene	11		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Toluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,2,3-Trichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,2,4-Trichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,1,1-Trichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,1,2-Trichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Trichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,2,3-Trichloropropane	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	3:22	KZ
Trichlorofluoromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Trichlorotrifluoroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,2,4-Trimethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
1,3,5-Trimethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
Vinyl Chloride	<0.0040		µg/L	EPA 8260B	0.5	0.0040	0.025	09/27/19	3:22	KZ
m,p-Xylenes	<0.0500		µg/L	EPA 8260B	0.5	0.0500	0.10	09/27/19	3:22	KZ

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SAN BERNARDINO, CA 92408

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 017 SB-18-15						Date & Time Sampled:		09/27/19	@	15:10
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
o-Xylene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:22	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	3:22	KZ
[VOC Surrogates]										
Dibromofluoromethane	83		%REC	EPA 8260B			70-130	09/27/19	3:22	KZ
Toluene-D8	99		%REC	EPA 8260B			70-130	09/27/19	3:22	KZ
Bromofluorobenzene	100		%REC	EPA 8260B			70-130	09/27/19	3:22	KZ
Sample: 018 SB-18-30						Date & Time Sampled:		09/27/19	@	15:40
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	3:51	KZ
t-Amyl Methyl Ether (TAME)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Benzene	<0.0180		µg/L	EPA 8260B	0.5	0.0180	0.025	09/27/19	3:51	KZ
Bromobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Bromochloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Bromodichloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Bromoform	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Bromomethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
t-Butanol (TBA)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	3:51	KZ
2-Butanone (MEK)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	3:51	KZ
n-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
sec-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
tert-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Carbon Disulfide	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	3:51	KZ
Carbon Tetrachloride	<0.0125		µg/L	EPA 8260B	0.5	0.0125	0.025	09/27/19	3:51	KZ
Chlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Chloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Chloroform	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ

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Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 018 SB-18-30								Date & Time Sampled:	09/27/19	@ 15:40
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
Chloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
2-Chlorotoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
4-Chlorotoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Dibromochloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,2-Dibromoethane (EDB)	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	3:51	KZ
1,2-Dibromo-3-Chloropropane	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	3:51	KZ
Dibromomethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,2-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,3-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,4-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Dichlorodifluoromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,1-Dichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,2-Dichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,1-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
cis-1,2-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
trans-1,2-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,2-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,3-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
2,2-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,1-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
cis-1,3-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
trans-1,3-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Diisopropyl Ether (DiPE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Ethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Hexachlorobutadiene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
2-Hexanone	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	3:51	KZ
Isopropylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
4-Isopropyltoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Methylene Chloride	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.05	09/27/19	3:51	KZ

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Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 018 SB-18-30								Date & Time Sampled: 09/27/19 @ 15:40		
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
4-Methyl-2-Pentanone (MIBK)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	3:51	KZ
Methyl-t-butyl Ether (MtBE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Naphthalene	<0.0160		µg/L	EPA 8260B	0.5	0.0160	0.025	09/27/19	3:51	KZ
n-Propylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Styrene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,1,1,2-Tetrachloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,1,2,2-Tetrachloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Tetrachloroethene	19		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Toluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,2,3-Trichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,2,4-Trichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,1,1-Trichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,1,2-Trichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Trichloroethene	0.050		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,2,3-Trichloropropane	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	3:51	KZ
Trichlorofluoromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Trichlorotrifluoroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,2,4-Trimethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
1,3,5-Trimethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
Vinyl Chloride	<0.0040		µg/L	EPA 8260B	0.5	0.0040	0.025	09/27/19	3:51	KZ
m,p-Xylenes	<0.0500		µg/L	EPA 8260B	0.5	0.0500	0.10	09/27/19	3:51	KZ
o-Xylene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	3:51	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	3:51	KZ
[VOC Surrogates]										
Dibromofluoromethane	85		%REC	EPA 8260B			70-130	09/27/19	3:51	KZ
Toluene-D8	102		%REC	EPA 8260B			70-130	09/27/19	3:51	KZ
Bromofluorobenzene	98		%REC	EPA 8260B			70-130	09/27/19	3:51	KZ

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CERTIFICATE OF ANALYSIS

1909-00218

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Date Reported 09/30/19

Date Received 09/27/19

Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 019 SB-18-30 DUP								Date & Time Sampled: 09/27/19	@ 15:40	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
[VOCs by GCMS]										
Acetone	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	4:18	KZ
t-Amyl Methyl Ether (TAME)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Benzene	<0.0180		µg/L	EPA 8260B	0.5	0.0180	0.025	09/27/19	4:18	KZ
Bromobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Bromochloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Bromodichloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Bromoform	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Bromomethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
t-Butanol (TBA)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	4:18	KZ
2-Butanone (MEK)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	4:18	KZ
n-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
sec-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
tert-Butylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Carbon Disulfide	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	4:18	KZ
Carbon Tetrachloride	<0.0125		µg/L	EPA 8260B	0.5	0.0125	0.025	09/27/19	4:18	KZ
Chlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Chloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Chloroform	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Chloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
2-Chlorotoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
4-Chlorotoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Dibromochloromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,2-Dibromoethane (EDB)	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	4:18	KZ
1,2-Dibromo-3-Chloropropane	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	4:18	KZ
Dibromomethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,2-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,3-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,4-Dichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Dichlorodifluoromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,1-Dichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ

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CERTIFICATE OF ANALYSIS

1909-00218

Date Reported 09/30/19

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Invoice No. 86941

Cust # 1003

Permit Number

Customer P.O.

STANTEC CONSULTING SVCS., INC.

BRIAN VIGGIANO

735 E. CARNEGIE DR., STE. 280

SAN BERNARDINO, CA 92408

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 019 SB-18-30 DUP								Date & Time Sampled: 09/27/19	@ 15:40	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
1,2-Dichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,1-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
cis-1,2-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
trans-1,2-Dichloroethene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,2-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,3-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
2,2-Dichloropropane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,1-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
cis-1,3-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
trans-1,3-Dichloropropene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Diisopropyl Ether (DiPE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Ethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Hexachlorobutadiene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
2-Hexanone	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	4:18	KZ
Isopropylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
4-Isopropyltoluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Methylene Chloride	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.05	09/27/19	4:18	KZ
4-Methyl-2-Pentanone (MIBK)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	4:18	KZ
Methyl-t-butyl Ether (MtBE)	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Naphthalene	<0.0160		µg/L	EPA 8260B	0.5	0.0160	0.025	09/27/19	4:18	KZ
n-Propylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Styrene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,1,1,2-Tetrachloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,1,1,2,2-Tetrachloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Tetrachloroethene	20		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Toluene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,2,3-Trichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,2,4-Trichlorobenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,1,1-Trichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ

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1909-00218

Date Reported 09/30/19
Date Received 09/27/19
Invoice No. 86941
Cust # 1003
Permit Number
Customer P.O.

STANTEC CONSULTING SVCS., INC.
BRIAN VIGGIANO
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 019 SB-18-30 DUP								Date & Time Sampled: 09/27/19	@ 15:40	
Sample Matrix: Soil Vapor										
Purge Volume Sampled: 3										
.....continued										
1,1,2-Trichloroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Trichloroethene	0.040	J	µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,2,3-Trichloropropane	<0.0100		µg/L	EPA 8260B	0.5	0.0100	0.050	09/27/19	4:18	KZ
Trichlorofluoromethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Trichlorotrifluoroethane	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,2,4-Trimethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
1,3,5-Trimethylbenzene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
Vinyl Chloride	<0.0040		µg/L	EPA 8260B	0.5	0.0040	0.025	09/27/19	4:18	KZ
m,p-Xylenes	<0.0500		µg/L	EPA 8260B	0.5	0.0500	0.10	09/27/19	4:18	KZ
o-Xylene	<0.0250		µg/L	EPA 8260B	0.5	0.0250	0.050	09/27/19	4:18	KZ
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<0.2500		µg/L	EPA 8260B	0.5	0.2500	0.50	09/27/19	4:18	KZ
[VOC Surrogates]										
Dibromofluoromethane	85		%REC	EPA 8260B			70-130	09/27/19	4:18	KZ
Toluene-D8	100		%REC	EPA 8260B			70-130	09/27/19	4:18	KZ
Bromofluorobenzene	100		%REC	EPA 8260B			70-130	09/27/19	4:18	KZ

Respectfully Submitted:

Ken Zheng
Ken Zheng - President

QUALIFIERS

B = Detected in the associated Method Blank at a concentration above the routine RL.
B1 = BOD dilution water is over specifications . The reported result may be biased high.
D = Surrogate recoveries are not calculated due to sample dilution.
E = Estimated value; Value exceeds calibration level of instrument.
H = Analyte was prepared and/or analyzed outside of the analytical method holding time
I = Matrix Interference.
J = Analyte concentration detected between RL and MDL.
Q = One or more quality control criteria did not meet specifications. See Comments for further explanation.
S = Customer provided specification limit exceeded.

ABBREVIATIONS

DF = Dilution Factor
RL = Reporting Limit, Adjusted by DF
MDL = Method Detection Limit, Adjusted by DF
Qual = Qualifier
Tech = Technician



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For any feedback concerning our services, please contact Jenny Jiang, Project Manager at 951.779.0310. You may also contact Ken Zheng, President at office@arlaboratories.com.



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QUALITY CONTROL DATA REPORT

STANTEC CONSULTING SVCS., INC.
BRIAN VIGGIANO
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

1909-00218

Date Reported 09/30/2019
Date Received 09/27/2019
Date Sampled 09/27/2019
Invoice No. 86941
Customer # 1003
Customer P.O.

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Method #	EPA 8260B																						
QC Reference #	84873					Date Analyzed: 9/27/2019					Technician: KZ												
Samples	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019				
Results	LCS %REC				LCS %DUP				LCS %RPD				BLKSRR% REC				Control Ranges						
																	LCS %REC	LCS %RPD	BLKSRR%REC				
1,1-Dichloroethene	103				94				8.7												70 - 130	0 - 25	
Benzene	116				101				14.0												70 - 130	0 - 25	
Bromofluorobenzene												102											50 - 150
Chlorobenzene	128				113				12.6												70 - 130	0 - 25	
Dibromofluoromethan												96											50 - 150
Toluene	122				104				15.7												70 - 130	0 - 25	
Toluene-D8												101											50 - 150
Trichloroethene	120				102				16.0												70 - 130	0 - 25	



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QUALITY CONTROL DATA REPORT

STANTEC CONSULTING SVCS., INC.
BRIAN VIGGIANO

1909-00218

Date Reported 09/30/2019
Date Received 09/27/2019
Date Sampled 09/27/2019

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Method blank results

Ref	Test Name	Result	Qualif	Units	MDL	Ref	Test Name	Result	Qualif	Units	MDL
84873	Acetone	<0.1250		µg/L	0.1250		Isopropylbenzene	<0.0125		µg/L	0.0125
	t-Amyl Methyl Ether (TAME)	<0.0125		µg/L	0.0125		4-Isopropyltoluene	<0.0125		µg/L	0.0125
	Benzene	<0.0090		µg/L	0.0090		Methylene Chloride	<0.0125		µg/L	0.0125
	Bromobenzene	<0.0125		µg/L	0.0125		4-Methyl-2-Pentanone (MIBK)	<0.1250		µg/L	0.1250
	Bromochloromethane	<0.0125		µg/L	0.0125		Methyl-t-butyl Ether (MtBE)	<0.0125		µg/L	0.0125
	Bromodichloromethane	<0.0125		µg/L	0.0125		Naphthalene	<0.0080		µg/L	0.0080
	Bromoform	<0.0125		µg/L	0.0125		n-Propylbenzene	<0.0125		µg/L	0.0125
	Bromomethane	<0.0125		µg/L	0.0125		Styrene	<0.0125		µg/L	0.0125
	t-Butanol (TBA)	<0.1250		µg/L	0.1250		1,1,1,2-Tetrachloroethane	<0.0125		µg/L	0.0125
	2-Butanone (MEK)	<0.1250		µg/L	0.1250		1,1,2,2-Tetrachloroethane	<0.0125		µg/L	0.0125
	n-Butylbenzene	<0.0125		µg/L	0.0125		Tetrachloroethene	<0.0125		µg/L	0.0125
	sec-Butylbenzene	<0.0125		µg/L	0.0125		Toluene	<0.0125		µg/L	0.0125
	tert-Butylbenzene	<0.0125		µg/L	0.0125		1,2,3-Trichlorobenzene	<0.0125		µg/L	0.0125
	Carbon Disulfide	<0.1250		µg/L	0.1250		1,2,4-Trichlorobenzene	<0.0125		µg/L	0.0125
	Carbon Tetrachloride	<0.0063		µg/L	0.0063		1,1,1-Trichloroethane	<0.0125		µg/L	0.0125
	Chlorobenzene	<0.0125		µg/L	0.0125		1,1,2-Trichloroethane	<0.0125		µg/L	0.0125
	Chloroethane	<0.0125		µg/L	0.0125		Trichloroethene	<0.0125		µg/L	0.0125
	Chloroform	<0.0125		µg/L	0.0125		1,2,3-Trichloropropane	<0.0050		µg/L	0.0050
	Chloromethane	<0.0125		µg/L	0.0125		Trichlorofluoromethane	<0.0125		µg/L	0.0125
	2-Chlorotoluene	<0.0125		µg/L	0.0125		Trichlorotrifluoroethane	<0.0125		µg/L	0.0125
	4-Chlorotoluene	<0.0125		µg/L	0.0125		1,2,4-Trimethylbenzene	<0.0125		µg/L	0.0125
	Dibromochloromethane	<0.0125		µg/L	0.0125		1,3,5-Trimethylbenzene	<0.0125		µg/L	0.0125
	1,2-Dibromoethane (EDB)	<0.0050		µg/L	0.0050		Vinyl Chloride	<0.0020		µg/L	0.0020
	1,2-Dibromo-3-Chloropropane	<0.0050		µg/L	0.0050		m,p-Xylenes	<0.0250		µg/L	0.0250
	Dibromomethane	<0.0125		µg/L	0.0125		o-Xylene	<0.0125		µg/L	0.0125
	1,2-Dichlorobenzene	<0.0125		µg/L	0.0125		Isopropanol (IPA)	<0.1250		µg/L	0.1250
	1,3-Dichlorobenzene	<0.0125		µg/L	0.0125						
	1,4-Dichlorobenzene	<0.0125		µg/L	0.0125						
	Dichlorodifluoromethane	<0.0125		µg/L	0.0125						
	1,1-Dichloroethane	<0.0125		µg/L	0.0125						
	1,2-Dichloroethane	<0.0125		µg/L	0.0125						
	1,1-Dichloroethene	<0.0125		µg/L	0.0125						
	cis-1,2-Dichloroethene	<0.0125		µg/L	0.0125						
	trans-1,2-Dichloroethene	<0.0125		µg/L	0.0125						
	1,2-Dichloropropane	<0.0125		µg/L	0.0125						
	1,3-Dichloropropane	<0.0125		µg/L	0.0125						
	2,2-Dichloropropane	<0.0125		µg/L	0.0125						
	1,1-Dichloropropene	<0.0125		µg/L	0.0125						
	cis-1,3-Dichloropropene	<0.0125		µg/L	0.0125						
	trans-1,3-Dichloropropene	<0.0125		µg/L	0.0125						
	Diisopropyl Ether (DIPE)	<0.0125		µg/L	0.0125						
	Ethylbenzene	<0.0125		µg/L	0.0125						
	Ethyl-t-Butyl Ether (EtBE)	<0.0125		µg/L	0.0125						
	Hexachlorobutadiene	<0.0125		µg/L	0.0125						
	2-Hexanone	<0.1250		µg/L	0.1250						



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FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

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QUALITY CONTROL DATA REPORT

STANTEC CONSULTING SVCS., INC.
BRIAN VIGGIANO

1909-00218

Date Reported 09/30/2019
Date Received 09/27/2019
Date Sampled 09/27/2019

Project: 333 W. Gardena Blvd., Gardena, CA 90248

Respectfully Submitted:

Ken Zheng - President

For any feedback concerning our services, please contact Jenny Jiang, Project Manager at 951.779.0310. You may also contact Ken Zheng, President at office@arlaboratories.com.

**A & R Laboratories**

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 E-mail: office@arlaboratories.com

CHAIN OF CUSTODY

A & R Work Order #:

1909-218

Page 1 of 2

Client Name Stantec CONSULTING SVCS, INC.		<input type="checkbox"/> Chilled		Analyses Requested										Turn Around Time Requested																					
E-mail BRIAN.VIGGIANO@STANTEC.COM		<input checked="" type="checkbox"/> Intact												Remarks																					
Address 735 E. CARNEGIE DR, STE. 280, SAN BRDNO, CA		<input type="checkbox"/> Seal		EPA8260B (VOCs & Oxygenates)		EPA8260B(BTEX & Oxygenates)		LUFT / 8015 (Gasoline)		LUFT / 8015 (Diesel)		EPA8081A (Organochlorine Pesticides)		EPA 8082 (PCBs)		EPA 8015M (Carbon Chain C4-C40)		EPA 6010B/7000 (CAM 17 Metals)		Micro: Plate Cnt., Coliform, E-Coli		<input type="checkbox"/> Rush 8 12 24 48 Hours <input type="checkbox"/> Normal MOBILE													
Report Attention BRIAN V.		Phone # 909.255.8204		Sampled By KZ		Project No./ Name 333 W Gardena Blvd, Gardena		Project Site 333 W Gardena Blvd, Gardena		Matrix Type		Sample Preserve		No., type* & size of container		EPA 8260B (VOCs & Oxygenates)		EPA 8260B(BTEX & Oxygenates)		LUFT / 8015 (Gasoline)		LUFT / 8015 (Diesel)		EPA 8081A (Organochlorine Pesticides)		EPA 8082 (PCBs)		EPA 8015M (Carbon Chain C4-C40)		EPA 6010B/7000 (CAM 17 Metals)		Micro: Plate Cnt., Coliform, E-Coli		Remarks	
Lab # (Lab use)		Client Sample ID		Date		Time		Matrix Type		Sample Preserve		No., type* & size of container		EPA 8260B (VOCs & Oxygenates)		EPA 8260B(BTEX & Oxygenates)		LUFT / 8015 (Gasoline)		LUFT / 8015 (Diesel)		EPA 8081A (Organochlorine Pesticides)		EPA 8082 (PCBs)		EPA 8015M (Carbon Chain C4-C40)		EPA 6010B/7000 (CAM 17 Metals)		Micro: Plate Cnt., Coliform, E-Coli		Remarks			
-1		SB-13-5		9/27/19		7:25		Avy				250ml G		X																3PV					
-2		SB-13-15				7:52																													
-3		SB- 13 -30				8:18																													
-4		SB-14-5				8:48																													
-5		SB-14-15				9:14																													
-6		SB-14-30				9:38																													
-7		SB-15-5				10:05																													
-8		SB-15-15				10:30																													
-9		SB-15-30				11:00																													
-10		SB-16-5				11:22																													
-11		SB-16-15				12:06																													
-12		SB-16-30				12:34																													
-13		SB-17-5				13:22																													
-14		SB-17-15				13:49																													
-15		SB-17-30				14:16																													
Relinquished By <i>[Signature]</i>		Company SCSI		Date 9/27/19		Time 16:40		Received By <i>[Signature]</i>		Company A & R		Date 9/27/19		Time 16:40		Note: Samples are discarded 30 days after results are reported unless other arrangements are made.																			
Relinquished By		Company		Date		Time		Received By		Company		Date		Time																					

* 10 collected for analysis. App

Matrix Code:	DW=Drinking Water GW=Ground Water WW=Waste Water SD=Solid Waste	SL=Sludge SS=Soil/Sediment AR=Air PP=Pure Product	Preservative Code	IC=Ice HC=HCl HN=HNO3	SH=NaOH ST=Na2S2O3 HS=H2SO4	* Sample Container Types: T=Tedlar Air Bag G=Glass Container ST= Steel Tube	B= Brass Tube P=Plastic Bottle V=VOA Vial	E= EnCore
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**A & R Laboratories**

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CHAIN OF CUSTODY

A & R Work Order #:

1909-218

Page 2 of 2

Client Name STANTEC CONSULTING SVCS, INC.				<input type="checkbox"/> Chilled		Analyses Requested										Turn Around Time Requested	
E-mail BRIAN.VIGGIANO@STANTEC.COM				<input checked="" type="checkbox"/> Intact		EPA8260B (VOCs & Oxygenates) EPA8260B(BTEX & Oxygenates) LUFT / 8015 (Gasoline) LUFT / 8015 (Diesel) EPA8081A (Organochlorine Pesticides) EPA 8082 (PCBs) EPA 8015M (Carbon Chain C4-C40) EPA 6010B/7000 (CAM 17 Metals) Micro: Plate Cnt., Coliform, E-Coli										<input type="checkbox"/> Rush 8 12 24 48 Hours <input type="checkbox"/> Normal	
Address 735 E. CARNEGIE DR, STE. 280, SAN BORDNO, CA				<input type="checkbox"/> Seal												Remarks	
Report Attention BRIAN V.		Phone # 909-255-8204		Sampled By KZ													
Project No./ Name		Project Site 333 W Gardena Blvd, Gardena, CA															
Lab # (Lab use)	Client Sample ID	Sample Collection		Matrix Type	Sample Preserve	No., type* & size of container	EPA8260B (VOCs & Oxygenates)	EPA8260B(BTEX & Oxygenates)	LUFT / 8015 (Gasoline)	LUFT / 8015 (Diesel)	EPA8081A (Organochlorine Pesticides)	EPA 8082 (PCBs)	EPA 8015M (Carbon Chain C4-C40)	EPA 6010B/7000 (CAM 17 Metals)	Micro: Plate Cnt., Coliform, E-Coli	Remarks	
-16	SB-18-5	9/27/19	14:50	Air		250ml G	X									3 PV	
-17	SB-18-15		15:10														
-18	SB-18-30		15:40														
-19	SB-18-30 Dup		15:40														
Relinquished By 		Company SLST		Date 9/27/19	Time 16:40	Received By 		Company A & R		Date 9/27/19	Time 16:40	Note: Samples are discarded 30 days after results are reported unless other arrangements are made.					
Relinquished By		Company		Date	Time	Received By		Company		Date	Time						

Matrix Code:	DW=Drinking Water GW=Ground Water WW=Waste Water SD=Solid Waste	SL=Sludge SS=Soil/Sediment AR=Air PP=Pure Product	Preservative Code	IC=Ice HC=HCl HN=HNO3	SH=NaOH ST=Na2S2O3 HS=H2SO4	* Sample Container Types: T=Tedlar Air Bag G=Glass Container ST= Steel Tube	B= Brass Tube P=Plastic Bottle V=VOA Vial	E= EnCore
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APPENDIX C
JOHNSON & ETTINGER MODELS

Preview	Unit	Value	Range	Default	Default Range
Soil gas to indoor air attenuation coefficient	(-)	2.9E-05	2.3E-05 - 2.9E-05	0.0000	2.3E-05 - 2.9E-05
Predicted indoor air concentration due to vapor intrusion	(ug/m3)	2.8E+00	2.2E+00 - 2.8E+00	2.8E+00	2.2E+00 - 2.8E+00
	(ppbv)	4.1E-01	3.2E-01 - 4.1E-01	4.1E-01	3.2E-01 - 4.1E-01

Model Input

Site Name/Run Number: KM Run 2

Note:
 -Yellow highlighted cells indicate parameters that typically are changed or must be inputted by the user.
 -Dotted outline cells indicate default values that may be changed with justification.
 -Toxicity values are taken from Regional Screening Level tables. These tables are updated semi-annually and may not reflect the most current toxicity information.

Source Characteristics:	Units	Symbol	Value	Default	Potential Span	CV	Flag	Comment
Source medium		Source	Exterior Soil Gas					
Soil gas concentration	(ug/m3)	Cmedium	95000		NA			
Depth below grade to soil gas sample	(m)	Ls	9.00		Vary - 50	NA		
Average vadose zone temperature	(°C)	Ts	25	25	3-30			
Calc: Source vapor concentration	(ug/m3)	Cs	95000					
Calc: % of pure component saturated vapor concentration	(%)	%Sat	0.058%					
Chemical:	Units	Symbol	Value	Default	Potential Span	CV	Flag	Comment
Chemical Name		Chem	Tetrachloroethylene					
CAS No.		CAS	127-18-4					
Toxicity Factors								
Unit risk factor	(ug/m ³) ⁻¹	IUR	6.10E-06	6.10E-06	NA	NA		
Mutagenic compound		Mut	No	NA	NA	NA		
Reference concentration	(mg/m ³)	RfC	4.00E-02	4.00E-02	NA	NA		
Chemical Properties:	Units	Symbol	Value	Default	Potential Span	CV	Flag	Comment
Pure component water solubility	(mg/L)	S	2.06E+02	2.06E+02	NA	NA		
Henry's Law Constant @ 25°C	(atm-m ³ /mol)	Hc	1.77E-02	1.77E-02	NA	NA		
Calc: Henry's Law Constant @ 25°C	(dimensionless)	Hr	7.24E-01	7.24E-01				
Calc: Henry's Law Constant @ system temperature	(dimensionless)	Hs	7.24E-01	7.24E-01				
Diffusivity in air	(cm ² /s)	Dair	5.05E-02	5.05E-02	NA	NA		
Diffusivity in water	(cm ² /s)	Dwater	9.46E-06	9.46E-06	NA	NA		

Building Characteristics:

Select Building Assumptions

- Use ratio for Qsoil/Qbuilding (recommended if no site specific data available)
- Specify Qsoil and Qbuilding separately; calculate ratio

	Units	Symbol	Value	Default	Potential Span	CV	Flag	Comment
Building setting		Bldg_Setting	Commercial	Commercial				
Foundation type		Found_Type	Slab-on-grade	Slab-on-grade				
Depth below grade to base of foundation	(m)	Lb	0.20	0.20	0.1 - 2.44	NA		
Foundation thickness	(m)	Lf	0.20	0.20	0.1 - 0.25	NA		
Fraction of foundation area with cracks	(-)	eta	0.001	0.001	0.00019-0.0019	1.00		
Enclosed space floor area	(m2)	Abf	1500.00	1500.00	80-1000	NA		
Enclosed space mixing height	(m)	Hb	3.00	3.00	2.13 - 3.05	NA		
Indoor air exchange rate	(1 / hr)	ach	1.50	1.50	.3-4.1	NA		
Qsoil/Qbuilding	(-)	Qsoil_Qb	0.0030	0.0030	0.0001 - 0.05	1.24		
Calc: Building ventilation rate	(m3/hr)	Qb	6750.00	6750.00	NA	0.30		
Calc: Average vapor flow rate into building	(m3/hr)	Qsoil	20.25	20.25	NA	NA		

Model Input

Site Name/Run Number: KM Run 2

Chemical Name: Tetrachloroethylene CAS No. 127-18-4

Depth below grade to soil gas sample: 9.00 meters

<u>Vadose zone characteristics:</u>	Units	Symbol	Value	Default	Potential Span	CV	Flag	Comment
Stratum A (Top of soil profile):								
Stratum A SCS soil type		SCS_A	Loam					
Stratum A thickness (from surface)	(m)	hSA	9.00					
Stratum A total porosity	(-)	nSA	0.399	0.399	NA	0.20		
Stratum A water-filled porosity	(-)	nwSA	0.148	0.148	0.061 - 0.24	0.25		
Stratum A bulk density	(g/cm ³)	rhoSA	1.590	1.590	NA	0.05		
Stratum B (Soil layer below Stratum A):								
Stratum B SCS soil type		SCS_B	Not Present					
Stratum B thickness	(m)	hSB						
Stratum B total porosity	(-)	nSB			NA	NA		
Stratum B water-filled porosity	(-)	nwSB			NA	NA		
Stratum B bulk density	(g/cm ³)	rhoSB			NA	NA		
Stratum C (Soil layer below Stratum B):								
Stratum C SCS soil type		SCS_C	Not Present					
Stratum C thickness	(m)	hSC						
Stratum C total porosity	(-)	nSC			NA	NA		
Stratum C water-filled porosity	(-)	nwSC			NA	NA		
Stratum C bulk density	(g/cm ³)	rhoSC			NA	NA		
Stratum containing soil gas sample								
Stratum A, B, or C		src_soil	Stratum A					
					NA	NA		
					NA	NA		
					NA	NA		

Exposure Parameters:	Units	Symbol	Value	Default	Potential Span	CV	Flag	Comment
Target risk for carcinogens	(-)	Target_CR	1.00E-06	1.00E-06	NA	NA		
Target hazard quotient for non-carcinogens	(-)	Target_HQ	1	1	NA	NA		
Exposure Scenario		Scenario	Commercial	Commercial				
Averaging time for carcinogens	(yrs)	ATc	70	70	NA	NA		
Averaging time for non-carcinogens	(yrs)	ATnc	25	25	NA	NA		
Exposure duration	(yrs)	ED	25	25	NA	NA		
Exposure frequency	(days/yr)	EF	250	250	NA	NA		
Exposure time	(hrs/24 hrs)	ET	8	8	NA	NA		
Mutagenic mode-of-action factor	(yrs)	MMOAF	72	72	NA	NA	NOTE	MMOAF not relevant for non-mutagenic compounds

Model Output Site Name/Run Number:
 Chemical Name: Tetrachloroethylene CAS No. 127-18-4

Range is based on the reasonable range of Qsoil/Qbuilding values, as reported in the literature.

Source to Indoor Air Attenuation Factor	Units	Symbol	Value	Range	Default	Default Range	Flag
Soil gas to indoor air attenuation coefficient	(-)	alpha	2.9E-05	2.3E-05 - 2.9E-05	2.9E-05	2.3E-05 - 2.9E-05	

Predicted Indoor Air Concentration	Units	Symbol	Value	Range	Default	Default Range	Flag
Indoor air concentration due to vapor intrusion	(ug/m3)	Cia	2.8E+00	2.2E+00 - 2.8E+00	2.8E+00	2.2E+00 - 2.8E+00	
	(ppbv)		4.1E-01	3.2E-01 - 4.1E-01	4.1E-01	3.2E-01 - 4.1E-01	

Predicted Vapor Conc. Beneath Foundation	Units	Symbol	Value	Range	Default	Default Range	Flag
Subslab vapor concentration	(ug/m3)	Css	9.2E+02	5.6E+01 - 2.2E+04	9.2E+02	2.2E+04 - 2.8E+04	
	(ppbv)		1.4E+02	8.3E+00 - 3.2E+03	1.4E+02	3.2E+03 - 4.1E+03	

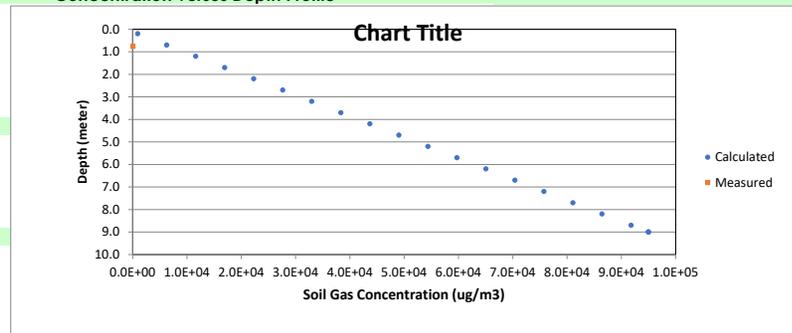
Diffusive Transport Upward Through Vadose Zone	Units	Symbol	Value	Range	Default	Default Range	Flag
Effective diffusion coefficient through Stratum A	(cm2/sec)	DeffA	3.2E-03	-	3.2E-03	-	
Effective diffusion coefficient through Stratum B	(cm2/sec)	DeffB	-	-	-	-	
Effective diffusion coefficient through Stratum C	(cm2/sec)	DeffC	-	-	-	-	
Effective diffusion coefficient through unsaturated zone	(cm2/sec)	DeffT	3.2E-03	-	3.2E-03	-	

Critical Parameters	Symbol	Value	Range	Default	Default Range	Flag
α for diffusive transport from source to building with dirt floor foundation	(-)	A_Param	2.9E-05	-	2.9E-05	
Pe (Peclet Number) for transport through the foundation (advection / diffusion)	(-)	B_Param	2.3E+03	7.7E+01 - 3.9E+04	2.3E+03	7.7E+01 - 3.9E+04
α for convective transport from subslab to building	(-)	C_Param	3.0E-03	1.0E-04 - 5.0E-02	3.0E-03	1.0E-04 - 5.0E-02

Interpretation

Advection is the dominant mechanism across the foundation. Diffusion through soil is the overall rate limiting process.

Concentration versus Depth Profile



Critical Parameters

Hb, Ls, DeffT, ach

Non-Critical Parameters

Qsoil_Qb, Lf, DeffA, eta