

**Appendix I. Additional Subsurface Soil and Soil Vapor Investigation and  
Conceptual Site Model**

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**ADDITIONAL  
SUBSURFACE SOIL AND SOIL VAPOR  
INVESTIGATION AND  
CONCEPTUAL SITE MODEL**

**777 WEST ORANGETHORPE AVENUE  
PLACENTIA, CALIFORNIA**

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## **TABLE OF CONTENTS**

<b><u>SECTION</u></b>	<b><u>TITLE</u></b>	<b><u>PAGE</u></b>
<b>1.0</b>	<b>INTRODUCTION</b>	<b>1</b>
<b>2.0</b>	<b>GEOLOGY AND HYDROGEOLOGY</b>	<b>1</b>
2.1	REGIONAL GEOLOGY	1
2.2	REGIONAL HYDROGEOLOGY	2
2.3	SITE LITHOLOGY AND HYDROGEOLOGY	2
2.4	GROUNDWATER SUPPLY WELLS	3
<b>3.0</b>	<b>SITE DESCRIPTION</b>	<b>3</b>
<b>4.0</b>	<b>ENVIRONMENTAL ASSESSMENTS AND REMEDIATION (1988-2018)</b>	<b>4</b>
4.1	ASSESSMENT OF SOIL	4
4.2	ASSESSMENT OF GROUNDWATER	5
4.3	REMEDICATION	7
	4.3.1 Soil Vapor Extraction	7
	4.3.2 Soil Vapor Extraction Rebound Testing	7
4.4	ASSESSMENT OF SOIL VAPOR	9
4.5	CASE CLOSURE	9
<b>5.0</b>	<b>ENVIRONMENTAL ASSESSMENT (2021)</b>	<b>9</b>
5.1	PHASE I ENVIRONMENTAL SITE ASSESSMENTS	9
5.2	SOIL AND SOIL VAPOR SAMPLING	10
<b>6.0</b>	<b>ADDITIONAL SUBSURFACE SOIL AND SOIL VAPOR INVESTIGATION (FREY)</b>	<b>12</b>
6.1	OBJECTIVES	13
6.2	SCOPE OF WORK	13
6.3	FIELD ACTIVITIES	14
	6.3.1 Geophysical Survey	14
	6.3.2 Pre-Drilling and Sampling Activities	15
	6.3.3 Advancement of Soil Borings and Soil Sampling	15
	6.3.4 Soil Vapor Probe Installation	16
	6.3.5 Sampling of Soil Vapor Probes	17
6.4	LABORATORY ANALYSES	17
	6.4.1 Soil Samples	17
	6.4.2 Soil Vapor Samples	17
6.5	RESULTS OF THE SUBSURFACE INVESTIGATION	18
	6.5.1 Soil Sample Results	18
	6.5.2 Soil Vapor Sample Results	18

## **TABLE OF CONTENTS (Continued)**

<b><u>SECTION</u></b>	<b><u>TITLE</u></b>	<b><u>PAGE</u></b>
6.6	DISCUSSION OF RESULTS	19
	6.6.1 Soil Sampling Results Discussion	19
	6.6.2 Soil Vapor Sampling Results Discussion	20
<b>7.0</b>	<b>PCE DISCUSSION AND POTENTIAL OFF-SITE SOURCES</b>	<b>21</b>
7.1	OVERVIEW OF PCE IN SOIL, SOIL VAPOR, AND GROUNDWATER BENEATH THE SITE	21
7.2	POTENTIAL OFF-SITE SOURCES OF PCE	22
<b>8.0</b>	<b>CONCPTUAL SITE MODEL</b>	<b>23</b>
8.1	POTENTIAL CONTAMINANT EXPOSURE ROUTES	23
8.2	POTENTIAL MIGRATION PATHWAYS	23
	8.2.1 Groundwater	24
	8.2.2 Surface Water	24
	8.2.3 Soil Vapors	24
	8.2.4 Airborne Particulates	24
	8.2.5 Soil Contact	25
	8.2.6 Sediment	25
	8.2.7 Biota	25
8.3	FACTORS POTENTIALLY AFFECTING DISTRIBUTION OF COPC IN THE SUBSURFACE	25
	8.3.1 Geologic and Hydrogeologic Factors	25
	8.3.2 Subsurface Utilities, Sewers, and Storm Drains	26
8.4	SENSITIVE RECEPTORS	26
	8.4.1 Human Receptors	26
	8.4.2 Ecological Receptors	26
<b>9.0</b>	<b>EVALUATION OF VAPOR INTRUSION RISK</b>	<b>26</b>
<b>10.0</b>	<b>CONCLUSIONS AND RECOMMENDATIONS</b>	<b>27</b>
<b>11.0</b>	<b>LIMITATIONS</b>	<b>28</b>
	<b>REFERENCES</b>	<b>29</b>

## **LIST OF TABLES**

1	SUMMARY OF UST PIT SOIL SAMPLE CHEMICAL ANALYSES RESULTS
2	SUMMARY OF SOIL BORING SAMPLE CHEMICAL ANALYSES RESULTS
3	SUMMARY OF SOIL BORING SAMPLE CHEMICAL ANALYSES RESULTS - ADDITIONAL VOCs
4	SUMMARY OF HISTORICAL GROUNDWATER LEVELS AND CHEMICAL ANALYSES RESULTS
5	SUMMARY OF HISTORICAL ANALYSIS RESULTS – ADDITIONAL VOCS
6	WELL CONSTRUCTION SUMMARY
7	CHEMICAL ANALYSES OF VAPOR SAMPLES – VAPOR EXTRACTION TESTING
7A	MAXIMUM CONCENTRATIONS OF PCE IN SOIL VAPOR COLLECTED DURING VAPOR EXTRACTION REBOUND TESTING IN 2015
8	SUMMARY OF SOIL SAMPLE LABORATORY RESULTS - TPH (2021)
9	CHEMICAL ANALYSIS OF SOIL VAPOR SAMPLES - DETECTED VOCs (2021)
10	SITE ESTIMATED SUBSLAB VAPOR INTRUSION CANCER RISK AND HAZARD INDEX

## **LIST OF FIGURES**

Figure 1	Site Location Map
Figure 2	Site Vicinity Sketch
Figure 3	Site Sketch Showing Soil Boring, Soil Sample, Soil Vapor Extraction Well, Injection Well, and Groundwater Monitoring Well Locations
Figure 4	Site Sketch Showing Groundwater Wells Screened in the Semi-Perched Zone and Groundwater Elevations on April 2 through 4, 2018
Figure 5	Rose Diagram Showing Historic Groundwater Flow Directions (Semi-Perched Zone)
Figure 6	Site Sketch Showing Groundwater Wells Screened into the Talbert Aquifer and Groundwater Elevations on April 2 through 4, 2018
Figure 7	Rose Diagram Showing Historic Groundwater Flow Directions (Talbert Aquifer Zone)
Figure 8	Site Sketch Showing TPHg Concentrations in Groundwater within the Shallow Semi-Perched Zone on April 2 through 4, 2018
Figure 9	Site Sketch Showing TPHd Concentrations in Groundwater within the Shallow Semi-Perched Zone on April 2 through 4, 2018
Figure 10	Site Sketch Showing Benzene Concentrations in Groundwater within the Shallow Semi-Perched Zone on April 2 through 4, 2018
Figure 11	Site Sketch Showing Subsurface Geologic Section Locations A-A', B-B', and C- C'
Figure 12	Subsurface Geologic Section A-A' Showing TPHg/TPHd Sample Results
Figure 13	Subsurface Geologic Section B-B' Showing TPHg/TPHd Sample Results
Figure 14	Subsurface Geologic Section C-C' Showing TPHg/TPHd Sample Results

## **LIST OF FIGURES (continued)**

Figure 15	Site Sketch Showing PCE in Soil Vapor on October 13, 14, and 15, 2015
Figure 16	Site Sketch Showing Soil and Soil Gas Sampling, Soil Boring and Soil Vapor Probe Locations
Figure 17	Site Sketch Showing PCE in Soil Vapor at 5 Feet BGS on September 2, 2021
Figure 18	Site Sketch Showing PCE in Soil Vapor at 15 Feet BGS on September 2, 2021
Figure 19	Site Sketch Showing PCE in Soil Vapor at 30 Feet BGS on September 2, 2021
Figure 20	Site Sketch Showing PCE in Soil Vapor at on October 13, 14, and 15, 2015, July 6, 2021, and September 2, 2021

## **APPENDICES**

Appendix A	OCHCA NFA Letter for the Site
Appendix B	Soil and Soil Vapor Sampling Information – Tetra Tech
Appendix C	Geophysical Survey Report
Appendix D	Boring Logs
Appendix E	Laboratory Analysis Reports
Appendix F	Conceptual Site Model Receptor Network

## **1.0 INTRODUCTION**

This report documents and presents the results of an additional subsurface soil and soil vapor investigation conducted by FREY Environmental, Inc. (FREY) at the property located at 777 West Orangethorpe Avenue in Placentia, California (Site) (Figures 1 and 2) and provides a Conceptual Site Model (CSM) for the Site.

The scope of work described herein was outlined in a Proposal for Additional Soil & Soil Vapor Investigation (Proposal) at the Site prepared by FREY and signed by Orangethorpe Investment Partners LLC (Client) on August 21, 2021. Any deviations from the scope of work presented in the Proposal were agreed upon by the Client in emails, phone calls, and in person meetings with FREY personnel.

The objective of the CSM is to utilize current Site conditions and readily available data to illustrate the relationship between contaminants of potential concern (COPC), retention, transport, media, and receptors and to evaluate the need for additional assessment and/or engineered controls for proposed residential development of the Site. This CSM is based on guidelines from the American Society of Testing and Materials (ASTM, 2014) and the State Water Resources Control Board (SWRCB, 2012).

## **2.0 GEOLOGY AND HYDROGEOLOGY**

### **2.1 REGIONAL GEOLOGY**

The Site is situated on the western portion of the lower Santa Ana River Basin, which is part of the Orange County Coastal Plain on the eastern extreme of a broad alluvial plain within the Peninsula Range geomorphic province of California (OCWD, 1984). The Plain, which originates slightly to the east of the Santa Ana Canyon and slopes gently to the southwest, ultimately extends to the Pacific Ocean. The central and northern portions of the Orange County Coastal Plain consist of structurally downfolded strata of the Upper Pleistocene that form a broad synclinal trough. The trough includes successively permeable and impermeable strata, that reach a depth of up to 20,000 feet near the Anaheim/Orange area. The Whittier-Elsinore Fault Zone, which is located north of the Site, is a major geologic structure with evidence of movement in the Quaternary Period or later (OCWD, 1982).

The Site is underlain by Recent Quaternary Alluvium, consisting of non-marine terrace deposits. The Site is located approximately 4.3 miles southeast of the Coyote Hills, near the termination of the Anaheim Nose, an anticlinal feature which dips toward the northwest. The water-bearing deposits beneath the Site have been divided into three regional zones: the Upper, Middle and Lower Aquifer Systems. The Upper Aquifer System is approximately 1,000 feet thick, and consists of water-bearing sands and gravels, interbedded with non-water-bearing silts and clays (DWR, 1967).

## **2.2 REGIONAL HYDROGEOLOGY**

The Site is located within the East Coastal Plain Hydrologic Subarea of the Lower Santa Ana River Subunit of the Santa Ana Hydrologic Unit (Groundwater Basin No. 801.11)(DWR, 2003). The East Coastal Plain Hydrologic Subarea is bound by the Pacific Ocean to the south and southwest, the San Gabriel River to the west and northwest, the Coyote Hills and the Chino Hills to the north, the Santa Ana Mountains to the northeast and east, and the San Joaquin Hills to the southeast. Groundwater in this subbasin generally flows in a southwesterly direction toward the Pacific Ocean from the main recharge areas along the base of the San Jacinto and Santa Ana Mountains, the Chino Hills and from the Prado Flood Control Basin (DWR, 1967).

The Site is located within the Forebay Area of the Orange County Groundwater Basin (719.47). Groundwater within East Coastal Plain Hydrologic Subarea is principally stored in the unconsolidated Pleistocene sediments and is generally unconfined. Wells within the planning area have yielded 4,000 gallon per minute (gpm). Groundwater within the East Coastal Plain Hydrologic Subarea has been identified to be beneficial for municipal, industrial, and agricultural use by the DWR (DWR, 2003).

## **2.3 SITE LITHOLOGY AND HYDROGEOLOGY**

In general, as logged in historical subsurface investigations, soils beneath the Site have generally consisted of three distinct lithologic units. These units include: 1) alluvial deposits which consist predominantly of poorly-graded, fine to medium grained sands interbedded with lenses of silts and fine grained silty sands from just below the ground surface to approximate depths of 65 to 70 feet below the ground surface (bgs); 2) the Semi-Perched Aquifer zone which consists primarily of alternating, layers of silts and clays with some, generally discontinuous sands and clays from approximately 70 to 95 feet bgs; and, 3) the Talbert Aquifer zone which consists primarily of poorly graded coarse grained sands and well graded gravels from approximately 95 to 150 feet bgs (deepest soil borings drilled at the Site). Figure 11 shows the location of subsurface geologic sections (Figures 12 through 14) which depict subsurface lithologies beneath the Site as logged prior to 2021.

Groundwater has been measured at depths ranging from approximately 70 to 95 feet bgs within the Semi-Perched Aquifer zone, and at depths ranging from approximately 93 to 134 feet bgs within the Talbert Aquifer zone at the Site. Historically, the estimated groundwater flow direction for groundwater within first-encountered groundwater within the semi-perched aquifer zone beneath the Site has been towards the east, northeast, or southeast. The groundwater flow direction within the Talbert Aquifer beneath the Site has historically been towards the west-southwest. Rose diagrams showing historical groundwater flow directions at the Site are included as Figure 5 and 7.

## **2.4 GROUNDWATER SUPPLY WELLS**

The nearest active groundwater supply well to the Site is a Golden State Water Company (GSWC) – Placentia well identified as La Jolla #02, located approximately 1,750 feet east-southeast of the Site. The next closest active well is a City of Fullerton well identified as Kimberley 02, located approximately 2,850 feet west-northwest of the Site (SWRCB, 2021).

## **3.0 SITE DESCRIPTION**

The Site is located at 777 West Orangethorpe Avenue on the northeastern corner of West Orangethorpe Avenue and South Placentia Avenue in Placentia, California at an approximate elevation of 197 feet above mean sea level (msl). The topography in the vicinity of the Site slopes gently toward the west (USGS, 1981).

The Site is bound to the north and the east by commercial/industrial facilities, and to the south and west by West Orangethorpe Avenue and South Placentia Avenue, respectively. A Jack in the Box restaurant is located adjacent to the Site on the southwest. The properties located to the south of the Site across West Orangethorpe Avenue are mostly residential with exception of a 7-11 convenience mart operating on the southeastern corner of West Orangethorpe Avenue and South Placentia Avenue. The properties located to the west of the Site across South Placentia Avenue are generally commercial/industrial facilities. A Site vicinity sketch is included as Figure 2.

The Site is developed with an approximately 35,000 square-foot two-story office building and auto service warehouse with the configuration shown on Figure 3, and the rest of the Site property is paved with exceptions of minimally landscaped strips along Placentia and Orangethorpe Avenues.

According to information provided by Mr. Brian Chuchua during personal interviews with FREY personnel, Mr. Chuchua has owned a majority of the Site property prior to 1974, and the Site was developed and operated as an automotive dealership and service center beginning in the early 1970's (Chuchua, 2021). Prior to 1988, the northwestern portion of the Site was operated as an active heliport (GeoResearch, 1988).

The former heliport fueling system, which was removed from the Site in 1988, consisted of one, 8,000-gallon fiberglass underground storage tank (UST) containing aviation fuel and one aviation fuel product dispenser island. The approximate location of the former UST at the Site is shown on Figure 3. According to Mr. Chuchua, the former aviation fuel UST was replaced by a 10,000-gallon, dual-compartment gasoline UST for use by the dealership, and a 2,500 gallon waste oil UST was located near the service bay doors as shown on Figure 3. According to Mr. Chuchua, both the 10,000-gallon gas UST and 2,500-gallon waste oil UST were removed in 1995 (Chuchua, 2021).

The Site was most recently operated as an automotive dealership and service center. The northern portion of the site is currently used for vehicle storage and some auto detailing and minor auto body work, but the Site is otherwise unoccupied.

## **4.0 ENVIRONMENTAL ASSESSMENTS AND REMEDIATION (1988-2018)**

Petroleum hydrocarbon contamination was originally discovered at the Site during the removal of an 8,000-gallon aviation fuel UST and associated fueling appurtenances in 1988 (GeoResearch, 1988; OCHCA, 1988). Soil samples, collected from the UST pit following removal activities, had maximum laboratory reported concentrations of total petroleum hydrocarbons as gasoline (TPHg), and benzene, toluene, ethylbenzene, and total xylenes (BTEX) of 5,898 milligram per kilograms (mg/kg), 169 mg/kg, 3,060 mg/kg, 43, mg/kg, and 200 mg/kg, respectively. UST cavity soil sample laboratory analytical results are summarized in Table 1.

The following is a brief summary of environmental assessment and remediation activities conducted at the Site following discovery of the contamination. A full background of historical environmental assessment and remediation activities for the Site is located in documents found on the State Water Resources Control Board (SWRCB) GeoTracker website under the facility name - Brian Chuchua Jeep with Global ID T0605900698 (SWRCB, 2021).

### **4.1 ASSESSMENT OF SOIL**

Between 1988 and 2015, approximately forty-six (46) soil borings were drilled on-Site in order to define the vertical and lateral extent of petroleum hydrocarbons in soil and groundwater. Soil borings ranged in depth from 30 feet bgs to 150 feet bgs. Soil boring/ well locations are shown on Figure 3.

Approximately three hundred (300) soil samples were collected from soil borings advanced at the Site and analyzed for TPHg, total petroleum hydrocarbons as diesel (TPHd), total petroleum hydrocarbons as oil (TPHo), and/or for volatile organic compounds (VOCs) including BTEX and fuel oxygenates, VOC analyses of soil samples beginning in 2005 were for the full suite of VOCs including chlorinated hydrocarbons such as the solvent tetrachloroethylene (PCE). These compounds are defined as COPC for the further remainder of the document. Laboratory analytical results for soil samples collected from soil borings are summarized in Tables 2 and 3. Concentrations of TPHg and TPHd are shown on geologic subsurface sections included as Figures 12 through 13. A summary of historical soil sample analyses results is below.

- TPHg and TPHd were detected in soil samples collected from soil borings located at the Site at concentrations up to 1,198 milligram per kilograms (mg/kg) (MW15 at 71.5-feet bgs) and 2,000 mg/kg (MW19 at 35-feet bgs), respectively. However, TPHg concentrations were generally less than 100 mg/kg, with concentrations greater than 100 mg/kg present between approximately 30 and 70 feet bgs near the former UST tank cavity, and within the semi-perched aquifer zone between approximately 70 to 95 feet bgs near the locations of MW5, MW11, MW12, and MW15.

- Concentrations of TPHo were not detected at or above the laboratory detection limit of 50 mg/kg in any of the soil samples analyzed for TPHo.
- Benzene was detected in soil samples collected from soil borings located at the Site at concentrations up to 19.6 mg/kg (GW-1 at 65-feet bgs). However, benzene concentrations were generally less than 1 mg/kg, with benzene concentrations in excess of 0.1 mg/kg generally located in saturated soils between depths of approximately 70 and 80 feet bgs.
- No fuel oxygenates were detected above their respective laboratory detection limits in any of the soil samples analyzed for fuel oxygenates.
- No chlorinated hydrocarbons were detected above their respective laboratory detection limits in any of the soil samples analyzed for the full suite of VOCs.
- Additional detected VOCs in soil samples have included toluene, ethylbenzene, total xylenes, acetone, n-butylbenzene, sec-butylbenzene, isopropylbenzene, naphthalene, 1,2,4-trimethylbenzene (TMB), and 1,3,5-TBMB.

The lateral and vertical extent of COPC have been relatively well assessed in all directions.

## **4.2 ASSESSMENT OF GROUNDWATER**

Groundwater sampling has been conducted at the Site thirty-six (36) times during a 21 period between June 1997 and April 2018. A summary of historical groundwater levels and chemical analysis results for TPHg, TPHd, TPHo, BTEX, and fuel oxygenates is presented in Table 4, and a summary of additional detected VOCs in groundwater is provided in Table 5. A summary of well construction details is presented in Table 6. The most recent sampling event was conducted on April 2, 3, and 4, 2018. Figures 3 & 4 depict calculated groundwater elevations and estimated flow direction at the Site during the most recent monitoring and sampling event conducted on April 2 through 4, 2018. A rose diagram showing the historic estimated groundwater flow directions in the Semi-Perched Aquifer zone and the Talbert Aquifer zone are shown on Figures 5 and 7. Figures 8 through 10 show the concentrations of TPHg, TPHd, and benzene in groundwater beneath the Site on April 2 through 4, 2018. A summary and discussion of the results from the April 2 through 4, 2018 event follows:

- On April 2 through 4, 2018, depth to groundwater ranged from 70.50 feet to 93.75 feet below top of casing (btoc) in the Semi-Perched Aquifer zone. The shallow Semi-Perched Aquifer was considered mostly dry with little perched water. Many of the groundwater monitoring wells screened within this zone were found to be dry, or nearly dry, during this and previously conducted groundwater monitoring and sampling events at the Site.

On April 2 through 4, 2018, depth to groundwater ranged from 93.15 feet to 93.55 feet btoe in the Talbert Aquifer zone. Historically, groundwater elevations have fluctuated in this zone with some wells showing drastic fluctuations in amounts up to 60 feet in some Site wells.

On April 2 through 4, 2018, the overall groundwater flow direction was estimated to be towards the east in the at approximately 0.01 feet per foot in the Semi-Perched Aquifer zone and to the southwest at an approximate gradient of 0.07 feet/foot in the Talbert Aquifer zone. Historically, groundwater in the Semi-Perched Aquifer has been to flow to in a north to south easterly direction, and groundwater in the Talbert Aquifer Zone has been estimated to flow to the west-southwest.

- TPHg were detected in groundwater samples collected and analyzed from 9 of the 18 wells sampled on April 2 through 4, 2018 at concentrations up to 2,500 ug/L (MW9 screened through the Semi-Perched Aquifer zone). Concentrations of TPHg were significantly lower than historical highs. TPHg was detected at a historical high of 1,700,000 ug/L in well MW5.
- TPHd were detected in groundwater samples collected and analyzed from 3 of the 18 wells sampled on April 2 through 4, 2018 at concentrations up to 5,100 ug/L (MW9). Concentrations of TPHd were significantly lower than historical highs. TPHd was detected at a historical high of 880,000 ug/L in well MW5.
- TPHo was not detected in any groundwater samples analyzed from 18 wells sampled on April 2 through 4, 2018.
- Benzene was detected in 8 of the 18 groundwater samples collected and analyzed during the current sampling event at concentrations up to 95 ug/L (well MW2 screened through the s Semi-Perched Aquifer zone). Concentrations of benzene were significantly lower than historical highs. Benzene was detected at a historical high of 330,000 ug/L in well MW3.
- No fuel oxygenates were detected in any of the wells sampled on April 2 through 4, 2018. Historically, fuel oxygenates were not a constituent of concern in groundwater at the Site.
- Additional VOCs and the maximum reported concentrations detected in groundwater samples collected and analyzed on April 2 through 4, 2018 are ethylbenzene (450 ug/L), total xylenes (150 ug/L), n-butylbenzene (14 ug/L), naphthalene (120 ug/L), n-propylbenzene (360 ug/L), 1,2,4-trimethylbenzene (99 ug/L), and 1,3,5-trimethylbenzene (55 ug/L).

- No chlorinated solvents such as PCE were detected in the groundwater samples collected and analyzed on April 2 through 4, 2018. Historically, PCE has been detected in groundwater monitoring wells MW1, MW7, MW11, MW12, MW15, MW16, MW22, and MW23 on one or more occasions in concentrations of 5.0 ug/L or less, and PCE was not considered a COPC.

The occurrence and extent of COPC in groundwater beneath the Site is laterally and vertically well assessed.

## **4.3 REMEDIATION**

### **4.3.1 Soil Vapor Extraction**

On April 22, 1991, vapor extraction remedial activities were commenced at the Site utilizing a VR Systems Model V3C S.N. 30 consisting of a modified Ford industrial internal combustion, liquid-cooled V-8, 460 cubic inch displacement engine capable of generating 250 scfm, a 3-way/2way catalytic converter, and a computerized stoichiometric fuel regulator for treatment prior to discharge into the atmosphere. The vapor extraction system (VES) extracted soil vapor from one individual well at a time, starting with vapor extraction from well GW-2. During operation of the VES, wells GW-4, VE-1A, and VE-2A were also used for vapor extraction individually, to maximize the mass removal rates of concentrations of petroleum hydrocarbons in soil vapor from beneath the Site. Location of the wells used for vapor extraction are shown on Figure 2. The VES operated at the Site until May 2, 1992, for a total 375 days of operation (Robinson, 1993).

The vapor extraction system operated an estimated total of approximately 7,218 hours between system start-up on April 22, 1991, through May 2, 1992, when the vapor extraction system was shut down. Undifferentiated volatile organic compounds (UVOCs) in the influent vapor stream were reduced from a maximum field measured concentration of approximately 27,000 parts per million by volume (ppmv) between April 22 and 25, 1991, to a field reported concentration of 210 ppmv between February 19 and 21, 1992. Based on field monitored UVOCs and estimated extraction flow rates through May 2, 1992, it was estimated that 584 gallons (3,504 pounds) of petroleum hydrocarbons were removed from subsurface soils by the vapor extraction activities conducted between April 22, 1991 and May 2, 1992 (Robinson, 1993).

### **4.3.2 Soil Vapor Extraction Rebound Testing**

Vapor extraction tests (VETs) were conducted on October 13 through 15, 2015, to assess the volatile petroleum hydrocarbon concentrations beneath the Site and evaluate if the secondary source of petroleum hydrocarbons (petroleum hydrocarbon impacted soil) had been mitigated to the extent practicable.

The VETs were conducted using equipment designed to extract soil vapor at variable extraction flow rates and applied vacuums including a mobile VES consisting of a 250 scfm positive displacement blower and granular activated carbon (GAC) vessels to treat extracted vapors.

Five, two-step soil VETs were conducted using groundwater monitoring wells MW1, MW20, MW18, and MW15R and vapor extraction well VE1d, as extraction wells. Additionally, two, three-step VETs were conducted using groundwater monitoring well MW9 and vapor extraction well VE1s as extraction wells. One short, one-step VET was conducted using groundwater monitoring well MW2 as an extraction well.

Groundwater monitoring wells MW1, MW2, MW9, MW15R, MW18, and MW20, and vapor extraction wells VE1s and VE1d were used for testing based on their proximity to the former UST cavity and dispenser islands (suspected source area of the release of petroleum hydrocarbons to subsurface soils) and based on their various screened intervals through different lithological units beneath the Site. Additionally, groundwater monitoring wells MW2 and MW9 were used for testing to assess whether the lateral extent of petroleum hydrocarbons in soil vapor beneath the Site extends towards the south and/or west of the suspected source area.

During each VET, vacuum responses, applied vacuums, vapor extraction flow rates, and influent UVOC concentrations were monitored with field equipment. Soil vapor samples were collected in tedlar bags from each extraction well upon commencement and at the conclusion of each VET, before the VES was shutdown. A total of fourteen soil vapor samples were submitted to a laboratory for chemical analysis and analyzed for TPHg and the full list of VOCs, including fuel oxygenates. A summary of soil vapor sample analyses results from the VETs is included as Tables 7 and 7A and summarized below.

- With the exceptions of relatively low concentrations of TPHg and BTEX detected in soil vapors extracted from groundwater monitoring well MW9 at depths between 70 and 90 feet bgs, and relatively low concentrations ethylbenzene and total xylenes detected in soil vapors extracted from MW15R at depths of 59 to 79 feet bgs, TPHg and BTEX were not detected in any of the other soil vapor samples collected and analyzed during the VETs.
- PCE was detected in twelve of fourteen vapor samples collected and analyzed during the VETs at concentrations ranging from 101.75 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) to 657.97  $\mu\text{g}/\text{m}^3$  (Table 7A). Maximum PCE concentrations detected in soil vapor during vapor extraction rebound testing are shown on Figure 15.
- Additional VOC detected in soil vapors collected during the VETs include 1,1,2-trichloro-1,2,2-trifluoroethane, trichlorofluoromethane, 1,2,4-TMB, 1,3,5-TMB, and ethanol.

The results of the VETs demonstrated that petroleum hydrocarbon vapors were not present in subsurface soil vapor beneath the Site in the areas where vapor extraction testing was conducted, with the exception of the area adjacent to groundwater monitoring well MW9.

Based on the results of vapor extraction testing, the secondary source of petroleum hydrocarbons at the Site appears to have been remediated to the extent practicable. The VETs demonstrate that previously conducted vapor extraction remedial efforts and natural attenuation have effectively mitigated petroleum hydrocarbons in subsurface soil and soil vapor beneath the Site.

#### **4.4 ASSESSMENT OF SOIL VAPOR**

Shallow soil vapor assessment was conducted at the Site on June 15 and 16, 2015 to assess for 1) the presence of COPC in soil vapor beneath the Site near the northern property line towards the off-Site building adjacent to the Site to the north; 2) assess for the presence of COPC in soil vapor beneath the Site to the east of the former source area in the direction of the on-Site buildings, and; 3) assess the potential risks of vapor intrusion to commercial workers that occupy the current building on-Site and to future development that may be built over the former fueling system location.

Six soil vapor probes (SV1 through SV6) were installed at the locations shown on Figure 3 with vapor implants placed at 5 feet bgs.

Soil vapor samples collected from soil vapor probes SV1 through SV6 on June 19, 2015, and were laboratory analyzed for TPHg and VOCs. TPHg and VOCs were not detected above their respective laboratory detection limits in the soil vapor samples collected from SV1 through SV6.

#### **4.5 CASE CLOSURE**

All remaining Site wells were destroyed in May of 2019 and Site investigation, and corrective action for the release of petroleum hydrocarbons from the former fueling system on the Site was certified complete by the Orange County Health Care Agency (OCHCA) in the issuance of a no further action (NFA) letter dated July 1, 2019. A copy of the of the OCHCA NFA letter for the Site is provided in Appendix A.

### **5.0 ENVIRONMENTAL ASSESSMENT (2021)**

#### **5.1 PHASE I ENVIRONMENTAL SITE ASSESSMENTS**

FREY was provided with copies of a Phase I Environmental Site Assessment (ESA) completed for the Site by Ninyo & Moore dated May 11, 2021 (N & M, 2021) and a draft Phase I ESA for the Site from Tetra Tech BAS dated June 2021 (Tetra Tech, 2021). A summary of the information in the conclusions of the reports are below.

Ninyo & Moore concluded the following conditions were recognized environmental concerns (REC) during the conduct of their Phase I ESA for the Site:

- The presence of five underground hydraulic lifts in the service center portion of the Site building.
- The presence of floor drains with surface staining in the service center portion of the Site building.
- The potential presence of a clarifier to the west of the service center building.

- The former leaking underground storage tank (LUST) case with case closure for commercial land use from the regulatory agency, due to the proposed residential land use of the Site.
- The potential presence of a 2,500-gallon waste oil UST on the Site.
- The potential presence of a spray booth paint on the Site from 1978 to 1990.
- The potential presence of a TPHg groundwater plume beneath the southwest portion of the Site from an adjoining closed LUST case at 805 West Orangethorpe Avenue.

Tetra Tech concluded the following conditions were RECs during the conduct of their Phase I ESA for the Site:

- The presence of junk vehicles, old equipment, used tires and miscellaneous debris.
- As part of historical operations, there were UST and above-ground storage tanks (ASTs), hydraulic lifts, a paint booth, and, potentially, a clarifier at the Site.
- Staining and generation of waste.
- The adjacent Jack in the Box property is a former service station, where residual petroleum impacts to groundwater remain. In addition, the Site is located on the edge of the Orange County North Basin Superfund groundwater plume.
- A former fuel UST was found to be a leaking in the late 1980s. The release was investigated and remediated and received case closure from the OCHCA in 2019. Tetra Tech BAS considered the closed LUST case to be a historical recognized environmental condition (HREC).

Based on the findings and conclusions in the Phase I ESAs both Ninyo and Moore and Tetra Tech recommended further subsurface investigation to evaluate the RECs. Additionally, Tetra Tech noted that because LUST case closure was granted for commercial use of the property and consultation with a regulatory agency may be required as part of property redevelopment for residential use.

## **5.2 SOIL AND SOIL VAPOR SAMPLING**

FREY was provided with soil and soil vapor laboratory reports for samples collected on July 6, 2021, by Tetra Tech, a draft table summarizing soil vapor analytical results, and a draft figure of the Site showing the locations of 18 soil and/ or soil vapor sampling points at the Site. The draft figure includes isoconcentration lines for PCE in soil gas. Copies of the laboratory reports and the draft table and figure are provided in Appendix B. A summary of the details derived from the reports and the figure is below.

### **Soil**

According to the information supplied by Tetra Tech, soil samples were collected at 5 feet bgs from 5 soil borings advanced at the Site on July 6, 2021. The soil samples were analyzed for TPH in the carbon chain range (TPHcc), CAM Metals, VOCs, and polychlorinated biphenyls (PCBs). Laboratory results of the soil sampling are summarized below.

- TPHcc were not detected above the laboratory detection limit in any of the soil samples.
- With the exceptions of 1.0 mg/kg of chloroform and 1.3 mg/kg of methyl chloride detected in one sample, no other VOCs were detected in the soil samples.
- Metals detected in the soil samples included barium, cadmium, cobalt, chromium, copper, molybdenum, nickel, lead, vanadium, and zinc.
- PCBs were not detected above the laboratory detection limit in any of the soil samples.

FREY compared the VOC and metal concentrations to their respective regional screening levels (RSLs) for residential soil as listed on the US EPA RSL Summary Table dated November 2020 and their respective San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) environmental screening levels (ESLs) for residential shallow soil exposure (January 2019). The detected concentrations of the VOCs and metals did not exceed their respective RSLs or ESLs.

### **Soil Vapor**

According to the information supplied by Tetra Tech, soil vapor samples were collected from 5 feet bgs from 18 soil vapor probes installed at the Site on July 6, 2021. The 18 soil vapor samples and one duplicate sample were analyzed by a laboratory for the full suite of VOCs. Laboratory results are summarized below.

- Ethylbenzene was detected in seven of the soil vapor samples at concentrations ranging from 22 micrograms per cubic meter (ug/m<sup>3</sup>) to 371 ug/m<sup>3</sup>.
- Freon 113 was detected in one soil vapor sample at a concentration of 42 ug/m<sup>3</sup>.
- Isopropylbenzene was detected in two soil vapor samples at concentrations of 39 ug/m<sup>3</sup> and 95 ug/m<sup>3</sup>.
- N-propylbenzene was detected in two soil vapor samples at concentrations of 62 ug/m<sup>3</sup> and 131 ug/m<sup>3</sup>.
- Tetrachloroethylene (PCE) was detected in all of the soil vapor samples at concentrations ranging from 165 ug/m<sup>3</sup> to 1,400 ug/m<sup>3</sup>.
- Toluene was detected in all of the soil vapor samples at concentrations ranging from 23 ug/m<sup>3</sup> to 381 ug/m<sup>3</sup>.
- 1,2,4-trimethylbenzene (TMB) was detected in nine of the soil vapor samples at concentrations ranging from 24 ug/m<sup>3</sup> to 1,190 ug/m<sup>3</sup>
- 1,3,5-TMB was detected in five of the soil vapor samples at concentrations ranging from 33 ug/m<sup>3</sup> to 653 ug/m<sup>3</sup>.
- Total xylenes were detected ten of the soil vapor samples at concentrations ranging from 45 ug/m<sup>3</sup> to 2,620 ug/m<sup>3</sup>.

The table below provides the maximum concentrations of VOCs detected in soil vapor in ug/m<sup>3</sup> collected from 5 feet bgs on July 6, 2021, along with a comparison to the DTSC SL and the US EPA RSLs for residential indoor air with applied attenuation factors (AF) and the SFRWQCB

ESLs for residential subslab soil gas. The DTSC SL and the US EPA RSLs shown are with an AF of 0.001 for future residential buildings above a contaminant source as described in the DTSC *Final: Guidance for Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance)* dated October 2011 and an AF of 0.03 for sub-slab soil gas as recommended by the DTSC in the *Human Health Risk Assessment (HHRA) Note Number 3, DTSC-modified Screening Levels* released June 2020.

Analyte	DTSC SL w/AF	US EPA RSL w/AF	SFBRWQCB ESLs	Maximum Laboratory Detected Concentration
Ethylbenzene	Not provided	1,100 / 36.7	37	371
Freon 113	Not provided	5,200,000 / 173,333	Not provided	42
Isopropylbenzene	Not provided	420,000 / 14,000	Not provided	95
N-propylbenzene	Not provided	1,000,000 / 33,333	Not provided	131
PCE	460 / 15	11,000 / 15.3	15	1,400
Toluene	Not provided	5,200,000 / 173,333	10,000	381
1,2,4-TMB	Not provided	63,000 / 2,100	Not provided	1,190
1,3,5-TMB	Not provided	63,000 / 2,100	Not provided	653
Total xylenes	Not provided	100,000 / 3,333	3,500	2,620

Notes: Values presented in table above are in ug/m3. DTSC SL and US EPA RSL values shown with applied AF of 0.001 / followed by an applied AF of 0.03

A summary of detected VOCs in soil vapor samples collected on July 6, 2021, is also provided in Table 9 along with corresponding ESLs for residential subslab soil gas and corresponding SLs and RSLs for residential air with applied attenuation factors of both 0.001 and 0.03.

- Laboratory detected concentrations of ethylbenzene exceeded the US EPA RSL with an applied AF of 0.03 and exceeded the SFBRWQCB ESL in six of the eighteen soil vapor probes sampled on July 6, 2021.
- Laboratory detected concentrations of PCE exceeded the DTSC SL and US EPA RSL with an applied AF of 0.03 and exceeded the SFBRWQCB ESL in all of the soil vapor samples collected and analyzed on July 6, 2021.

## **6.0 ADDITIONAL SUBSURFACE SOIL AND SOIL VAPOR INVESTIGATION (FREY)**

In an effort to further delineate PCE in soil vapor beneath the Site and to assess for a potential on-Site source of PCE to soil vapor, FREY conducted an additional subsurface soil and soil vapor investigation at the Site in August and September of 2021 as further described here in Section 6.0. Activities related to this additional subsurface soil and soil vapor investigation were conducted under the direction of a California Certified Engineering Geologist and a California Registered Geologist. A Site-specific Health and Safety Plan was used to guide field personnel during the conduct of field work.

## 6.1 OBJECTIVES

The objectives of the scope of work described below were as follows:

- Further assess subsurface soil and soil vapor for VOCs, particularly PCE, in two locations based on the results of Tetra Tech's soil vapor sampling conducted on July 6, 2021;
- Further assess subsurface soil and soil vapor for VOCs, particularly PCE, at the suspected former waste oil underground storage tank (UST) location;
- Assess soil in the locations of five in-ground hoists and one assumed former in-ground hoist for TPH;
- Assess subsurface soil and soil vapor at the location of two subsurface anomalies located in the northern service area of the Sie building as identified by a geophysical survey conducted on August 13, 2021, by Spectrum Geophysics;
- Assess for the presence of a clarifier in the location of the concrete patch near the northwest corner of the service bay canopy; and
- Assess subsurface soil for VOCs in the location of the concrete patch near the service bay canopy.

## 6.2 SCOPE OF WORK

The scope of work conducted to meet the objectives of the investigation was as follows:

- Scheduled labor, subcontractors, and materials;
- Implemented a Site-specific health and safety plan;
- Conducted a geophysical subsurface survey;
- Visited the Site to mark boring locations;
- Notified Dig Alert and obtained an underground service alert number.
- Obtained a vapor probe survey permit from the Orange County Health Care Agency (OCHCA);
- Conducted a geophysical subsurface survey;
- Advanced five (5) soil borings (B1 through B5) to 10 feet bgs near existing and assumed former in-ground hoist locations;
- Advanced one soil boring (B6) to 10 feet bgs
- Advanced two (2) soil borings (SV1 and SV3) to 30 feet bgs in the locations with maximum PCE concentrations in soil vapor as determined by soil vapor sampling conducted by Tetra Tech on July 6, 2021;
- Advanced one (1) soil boring (SV2) to 30 feet bgs in the location of a former waste oil UST as confirmed by Mr. Chuchua;
- Advanced two (2) soil borings (HA1 and HA2) to 30 feet bgs in the locations of subsurface geophysical anomalies detected as part of the geophysical survey inside the service area of the building;
- Converted soil borings SV1, SV2, SV3, HA1, and HA2 into triple-nested soil vapor probes with tips placed at 5 feet bgs, 15 feet, bgs, and 30 feet bgs;

- Submitted soil samples collected at 5 and 10 feet bgs from borings B1 through B5 and SV3 for laboratory analysis of total petroleum hydrocarbons – full carbon chain range (TPH-CC);
- Submitted soil samples collected at 5 and 10 feet bgs from borings B6 and at 5 feet bgs to 30 feet bgs from soil boring SV1, SV2, SV3, HA1, and HA2 for laboratory analysis of VOCs;
- Purged and sampled triple-nested probes SV1, SV2, SV3, HA1, and HA2;
- Submitted fifteen (15) soil vapor samples and one (1) duplicate soil vapor sample to a laboratory for analysis; and,
- Evaluated the field and laboratory data and prepared this report.

## **6.3 FIELD ACTIVITIES**

### **6.3.1 Geophysical Survey**

FREY personnel met with Spectrum Geophysics (Spectrum) who performed a geophysical subsurface survey at the Site on August 13 and 16, 2021. The primary purpose of the survey was to detect and delineate, insofar as possible, a possible UST or clarifier, a backfilled excavation resulting from a UST's or clarifier's removal, and/or any UST-related pipes, conduits, or substructures that could still be in place.

Spectrum conducted a geophysical subsurface survey in the inside of the two service rooms of the Site building using ground penetrating radar (GPR) on August 13, 2021. GPR is a surface method that uses the properties of electromagnetic waves to create a detailed image of subsurface layers. Spectrum marked subsurface anomalies determined by preliminary GPR readings on the floor using paint. The only significant anomalies detected were two, adjacent rectangular areas approximately 5 feet by 10 feet in size, that were detected east of the service canopy within the northern service room.

On August 16, 2021, FREY personnel and Spectrum returned to the Site to survey the exterior of the Site building. Spectrum completed a survey of an approximate 80 by 150 foot area west of the Site building and south of the fenced enclosure using the frequency domain electromagnetic (EM) method. The frequency domain EM method uses the inductive properties of a continuous primary electromagnetic field to measure the conductivity (reciprocal of resistivity) of the material through which the field passes. Spectrum marked subsurface anomalies determined by preliminary EM readings on the pavement using paint. With exception of two anomalies assumed to be piping, no other significant anomalies were identified in the area of the parking lot that was surveyed.

A copy of the Spectrum report for the Site dated September 22, 2021. is provided in Appendix C. The approximate locations of anomalies detected by Spectrum are depicted on Figure 16.

### 6.3.2 Pre-Drilling and Sampling Activities

On August 25, 2021, FREY marked the Site with white paint in accordance with underground service alert (USA) regulations and obtained USA number A212370975-00A.

FREY obtained permit #21-08-49 for the installation of temporary triple-nested soil vapor probes from the OCHCA for the investigation.

### 6.3.3 Advancement of Soil Borings and Soil Sampling

Prior to completion with a drill rig, the surface at each soil boring location was cored with a 4-inch or 10-inch concrete core barrel, and then the borehole was hand cleared using a hand auger or a post hole digger to the depth noted in the table below.

Borehole Designation	Borehole Location	Core Diameter (in.)	Hand Cleared Depth (ft)	Final Depth (ft)
B1	Adjacent to an existing hoist	4	4	10
B2	Adjacent to an existing hoist	4	4	10
B3	Adjacent to an existing hoist	4	4	10
B4	Adjacent to an assumed former hoist	4	4	10
B5	Adjacent to an existing hoist	4	4	10
B6	On concrete pad in the parking lot near the northwest corner of the service canopy	4	4	10
SV1	In the parking lot adjacent to Tetra Tech soil vapor sample location B-15	10	5	30
SV2	In the parking lot in the area of the former waste oil tank	10	5	30
SV3	Adjacent to an existing hoist and a few feet away from Tetra Tech soil/soil vapor sample location B-2	10	5	30
HA1	In the service building in an area shown to be an anomaly during the geophysical survey	10	5	30
HA2	In the service building in an area shown to be an anomaly during the geophysical survey	10	5	30

In order to construct triple-nested soil vapor probes per the OCHCA soil vapor probe survey permit requirement, soil borings SV1, SV2, SV3, HA1, and HA2 were hand cleared with a borehole diameter of no less than 6.5 inches to 5 feet bgs.

Upon completion of hand clearing, soil borings were drilled to the final depths noted in the table above by J & H Drilling Co. with a direct push rig on August 30 and 31, 2021. Utilizing the direct push drill rig's hydraulic hammer, undisturbed soil samples were collected from all borings at 5 foot intervals from approximately 5 feet bgs to the bottom of each borehole. Soil samples were collected by hammering a 2-inch diameter California Modified split spoon sampler into undisturbed soil and filling a 1-inch diameter by 22-inch long acetate liner housed inside the sampler. Down hole drilling equipment was cleaned between each boring using a non-phosphate detergent solution followed by a triple rinse using tap water. The sampler was dried with a towel prior to sampling.

Soil samples and soil cuttings were examined in order to characterize the soil lithology and to look for evidence of the presence of impacted soil. Immediately after collection, soil samples were screened for undifferentiated volatile organic compounds (UVOCs) with a photo-ionization detector (PID). UVOCs in excess of 1 part per million (ppm) were not detected in any of the soil samples collected from any of the soil borings advanced during this investigation. No field indications of petroleum hydrocarbon or solvent impacted soil were observed.

After the soil samples were collected, the sample containers (acetate liners) were capped and labeled with the borehole number, sample depth, project number, and time and date of collection. The soil samples were placed in an ice chest cooled with ice and delivered to the laboratory following Chain of Custody procedures.

Upon completion of soil sampling, soil borings B1 through B6 were backfilled with hydrated bentonite crumbles to approximately 1 foot bgs and then completed with concrete to match the surrounding surface. Soil borings SV1, SV2, SV3, HA1, and HA2 were completed as triple-nested soil vapor probes as described in Section 6.3.4.

Soil borings advanced as part of this investigation are depicted on Figure 16 along with Tetra Tech's soil vapor and soil/soil vapor sampling points from their July 6, 2021 sampling event. Boring logs and explanations regarding the format, terms, and soil classification system used to describe the soil conditions are presented in Appendix D.

### **6.3.4 Soil Vapor Probe Installation**

On August 30 and 31, 2021, upon completion of soil sampling activities, soil borings SV1, SV2, SV3, HA1, and HA2 were completed as triple-nested soil vapor probes at the locations shown on Figure 16. Soil vapor probe installation was performed in general accordance with the "Advisory – Active Soil Gas Investigations" as published by the California Environmental Protection Agency Department of Toxic Substances Control (DTSC)(DTSC, 2015).

Soil vapor probes SV1, SV2, SV3, HA1, and HA2 were installed with probe implants set at 4.5 feet bgs, 14.5 feet bgs, and 29.5 feet bgs. Soil vapor probes were constructed with 0.17-inch inner diameter section of Nylaflow tubing inserted into the borehole. A plastic vapor implant was located on the bottom end of the tubing while an airtight vinyl cap was placed on the end of the tubing which protruded above the ground surface. Each vapor implant was encased in twelve inches of screen washed sand. The borehole space was filled with twelve inches of dry bentonite granules placed above each vapor implant sand pack interval, and bentonite granules were added in one-foot lifts and hydrated to the depth of the next vapor probe implant sand pack interval or to within twelve inches of the ground surface. Vapor probe tubing protruding from the surface in each borehole was constructed in a triangular formation so that each tube was 2 inches from the borehole wall and two inches from the other tubes in the borehole. Each tube was labeled with its probe depth (5, 15, and 30 feet bgs). A traffic-rated 6-inch well box was placed above the vapor probe tubing and the annulus around the well box was filled with sand to the ground surface.

Construction details for soil vapor probes SV1, SV2, SV3, HA1, and HA2 are shown on boring logs included in Appendix D.

Following soil vapor sampling on September 2, 2021 as described in Section 6.3.5, all soil vapor probes at the Site were removed on September 16, 2021 in accordance with the OCHCA vapor probe survey permit requirement, and the surface was capped with concrete to match the surround surface.

### **6.3.5 Sampling of Soil Vapor Probes**

Soil vapor sampling was conducted on September 2, 2021, by Optimal Technology (Optimal), a State certified hazardous waste testing mobile laboratory, based in Thousand Oaks, California. Triple-nested soil vapor probes SV1, SV2, SV3, HA1, and HA2 were purged and sampled in accordance with the protocol set forth in the Advisory (DTSC, 2015).

Rainfall in excess of ½ inch did not occur at the Site within the 5 days prior to sampling. Areas surrounding the soil vapor probe locations were free of standing water. Each soil vapor probe was purged of three purge volumes using a vacuum pump. The probe purging rate did not exceed 200 milliliters per minute (mL/min). Isobutane was used as the tracer gas. Soil vapor samples were collected in gas tight syringes by Optimal. Additional methods and procedures employed by Optimal are described and included with the laboratory report, a copy of which is provided in Appendix E.

## **6.4 LABORATORY ANALYSES**

### **6.4.1 Soil Samples**

Soil samples collected from soil borings B1 through B5 and SV3 at 5 feet bgs and 10 feet bgs were analyzed for total petroleum hydrocarbons – full carbon chain range (TPH-CC) in accordance with EPA Method No. 8015B.

Soil samples collected from soil borings B6 at 5 feet bgs and 10 feet bgs and all soil samples collected from soil borings SV1, SV2, SV3, HA1, and HA2 from 5 feet bgs to 30 feet bgs were analyzed for VOCs in accordance with EPA Method No. 8260B.

Soil sample analysis was performed by eurofins/Calscience, a state licensed hazardous waste testing facility located in Garden Grove, California.

### **6.4.2 Soil Vapor Samples**

Optimal Technologies analyzed a total 16 soil vapor samples (one from each triple-nested probe and one duplicate sample) for VOCs in accordance with EPA Method No. 8260B.

## **6.5 RESULTS OF THE SUBSURFACE INVESTIGATION**

### **6.5.1 Soil Sample Results**

#### **TPH-CC**

A total of twelve (12) soil samples collected from 5 and 10 feet bgs from soil borings B1 through B5 and SV3 were analyzed for TPH with a carbon chain breakdown.

- C<sub>10</sub>-C<sub>28</sub> (diesel range organics) were detected in four (4) of the 12 soil samples at a maximum concentration of 53 mg/kg (B3-5).
- C<sub>17</sub>-C<sub>32</sub> (aromatic high range) was detected in one (1) of the 12 soil samples at a concentration of 44.9 mg/kg (B3-5).
- C<sub>24</sub>-C<sub>36</sub> (motor oil range) was detected in one (1) of the 12 soil samples at a concentration of 43.1 mg/kg (B3-5).
- C<sub>6</sub>-C<sub>44</sub> (total TPH) were detected in seven (7) of the 12 soil samples at concentrations ranging from 5.8 mg/kg (B5-5) to 93 mg/kg (B3-5).

TPH-CC soil sample analyses results are summarized in Table 8. Copies of the laboratory analyses reports for soil samples are included in Appendix E.

#### **VOCs**

A total of thirty-two (32) soil samples, collected from soil borings B6 (from 5 and 10 feet bgs) and from soil borings SV1, SV2, SV3, HA1, and HA2 (from 5, 10, 15, 20, 25, and 30 feet bgs), were analyzed for a full suite of VOCs.

- No VOCs were detected above the laboratory detection limits in any of the soil samples analyzed for VOCs.

Copies of the laboratory analyses reports for soil samples are included in Appendix E.

### **6.5.2 Soil Vapor Sample Results**

Fifteen (15) unique soil vapor samples were analyzed for VOCs. Toluene and PCE were the only VOCs detected above the laboratory detection limits in the soil vapor samples collected as part of this investigation.

- Toluene was detected in soil vapor samples collected from the 5 foot probe depth interval of SV1 and SV2 at concentrations of 20 micrograms per cubic meter (ug/m<sup>3</sup>) and 33 ug/m<sup>3</sup>, respectively.

- PCE was detected in all of the soil vapor samples collected and analyzed as part of this investigation at concentrations ranging from 381 ug/m<sup>3</sup> (HA2 at 30 feet bgs) and 1,107 ug/m<sup>3</sup> (SV1 at 15 feet bgs).

Soil vapor analyses results from soil vapor samples collected as part of this investigation as well as soil vapor sampling results for the soil vapor sampling event conducted by Tetra Tech on July 6, 2021 are summarized in Table 9. A copy of the soil vapor sample laboratory analysis report is included in Appendix E.

## **6.6 DISCUSSION OF RESULTS**

### **6.6.1 Soil Sampling Results Discussion**

#### **TPH**

Laboratory detected TPH concentrations in soil samples collected and analyzed on August 30 and 31, 2021 were compared to the SFBRWQCB ESLs for shallow residential soil and the DTSC SLs for residential soil which are also provided on Table 8.

The SFBRWQCB provides ESLs for C<sub>10</sub>-C<sub>28</sub> (diesel range organics) and C<sub>24</sub>-C<sub>36</sub> (motor oil range) of 260 mg/kg and 1,600 mg/kg, respectively. The maximum concentrations detected of C<sub>10</sub>-C<sub>28</sub> (53 mg/kg) and C<sub>24</sub>-C<sub>36</sub> (43.1 mg/kg) during the current investigation were significantly lower than their respective ESLs.

- The DTSC provides a SL of 2,400 mg/kg for C<sub>17</sub>-C<sub>32</sub> (aromatic high). The only concentration of C<sub>17</sub>-C<sub>32</sub> detected during the current investigation (43.1 mg/kg) is significantly lower than the SL.

Based on the results of soil sampling conducted next to the existing and the assumed former in-ground hydraulic hoist locations, it does not appear that the soil near the hoists has been significantly impacted by TPH, and additional investigation with regards to the hoists appears unwarranted.

#### **VOCs**

A total of twelve (12) soil samples were collected at 5 foot intervals from 5 feet bgs to 30 feet bgs and analyzed for VOCs in two areas in which elevated PCE concentrations were detected in soil vapors collected by Tetra Tech (near Tetra Tech soil sample locations B-2 and B-15, Figure 16).

A total of eighteen (18) soil samples were also collected for analyses in areas of potential subsurface solvent sources including the former waste oil UST area south of the service canopy (samples from 5 foot intervals from 5 feet bgs to 30 feet bgs), from within the perimeter of two rectangular subsurface anomalies located within the service building (samples from 5 foot

intervals from 5 feet bgs to 30 feet bgs) and a concrete patched area (potential clarifier location) near the northwest corner of the service canopy (samples from 5 and 10 feet bgs).

- No VOCs were detected in the soil samples collected by FREY on August 30 and 31, 2021, nor in the soil samples collected by Tetra Tech on July 6, 2021.

Based on the results of laboratory analyses of soil for VOCs in two areas of elevated PCE concentrations in soil vapor and at potential on-Site subsurface sources for solvents to soil, additional investigation of soil samples for VOCs appears unwarranted.

### **6.6.2 Soil Vapor Sampling Results Discussion**

Fifteen (15) unique soil vapor samples were collected from depths of 5, 15, and 30 feet bgs from two areas in which elevated PCE concentrations were detected in soil vapors collected by Tetra Tech (near Tetra Tech soil sample locations B-2 and B-15, Figure 16), from the former waste oil UST area, and from within the perimeter of two rectangular subsurface anomalies located within the service building.

Toluene and PCE were the only detected analytes in the 15 unique soil vapor samples collected from depths of 5, 15, and 30 feet and analyzed as part of the current investigation. A summary of detected VOCs in soil vapor samples collected on September 2, 2021, is provided in Table 9 along with corresponding ESLs for residential subslab soil gas and corresponding SLs and RSLs for residential air with applied attenuation factors of both 0.001 and 0.03.

- The maximum laboratory detected concentrations of toluene in soil vapor ( $33 \text{ ug/m}^3$ ) did not exceed any of the compared regulatory screening levels, the lowest of which is the SFBRWQCB ESL of  $10,000 \text{ ug/m}^3$ .
- Laboratory detected concentrations of PCE in soil vapor samples ranged from  $381 \text{ ug/m}^3$  to  $1,107 \text{ ug/m}^3$ . In all of the soil vapor samples collected and analyzed, PCE exceeded the DTSC SL and US EPA RSL with an applied AF of 0.03 ( $15 \text{ ug/m}^3$  and  $367 \text{ ug/m}^3$ , respectively) and exceeded the SFBRWQCB ESL ( $15 \text{ ug/m}^3$ ).
- No significant lateral variation was exhibited by the concentrations of PCE detected in soil vapor collected from 5, 15, and 30 feet bgs in any of the soil vapor probes.
- Detected concentrations of PCE in soil vapor showed a slight increasing trend from east to west in each depth interval sampled. Figures 17, 18, and 19, show detected concentrations of PCE in soil vapor on September 2, 2021, at 5 feet bgs, 15 feet bgs, and 30 feet bgs, respectively.

Based on the results of recent soil vapor sampling, PCE concentrations in soil vapor beneath the Site appear somewhat homogeneous, vertically and laterally with only a slight decreasing trend in PCE concentrations from west to east across the Site. In general, detected concentrations of PCE in soil vapor appear relatively low and diffuse across the Site to indicate any specific on-Site point source. A Site sketch depicting PCE concentrations in soil vapor samples collected at the Site in 2015 and 2021 is included as Figure 20. Considering the historical information presented herein and the results of recent investigations, additional soil vapor sampling at the Site does not appear warranted.

## **7.0 PCE DISCUSSION AND POTENTIAL OFF-SITE SOURCES**

### **7.1 OVERVIEW OF PCE IN SOIL, SOIL VAPOR, AND GROUNDWATER BENEATH THE SITE**

A significant amount of environmental investigation has been conducted at the Site beginning with the removal of an 8,000-gallon aviation fuel UST in 1988. An additional 10,000-gallon gasoline UST and a 2,500-gallon waste oil UST were removed from the Site in 1995. The focus of subsurface investigations and remediation conducted at the Site between 1988 and 2018 was in regard to a release of petroleum hydrocarbons to soil from a former UST.

Beginning in January of 2005, analyses of soil and groundwater samples for VOCs became included in part of Site investigations.

- Over two-hundred twenty-five (225) soil samples collected across the Site and from depths ranging from 2.5 feet bgs to 85 feet bgs were analyzed for VOCs between January 2005 and April 2018 (Table 3). PCE was not detected above the laboratory detection limit in any of the soil samples analyzed for VOCs.
- Groundwater samples were analyzed for VOCs in twenty two (22) of the former Site groundwater monitoring wells on two (2) to thirteen (13) occasions between January 2005 and April 2018 (Table 5). PCE was detected on occasion in some of the Site wells at low concentrations of less than 5.0 ug/l and below regulatory actionable screening levels.
- During vapor extraction rebound testing conducted in October 2015, soil vapor samples were collected from seven (7) former Site wells with various screen intervals ranging between 15 to 35 feet bgs and 50 to 90 feet bgs and analyzed for VOCs. PCE was detected in soil vapor samples collected in October 2015 from each of the seven wells pre- and/or post-test at concentrations ranging from 101.75 to 657.97 ug/m<sup>3</sup> (Table 7A, Figure 15).

In general, the results of recent subsurface soil and soil vapor sampling conducted by Tetra Tech and FREY, as described in Section 5.2 and 6.0, are similar to the results of soil and soil vapor sampling conducted at the Site between 2005 and 2018.

Due to the lack of PCE detected in soil samples and the limited low concentrations of PCE detected in groundwater beneath the Site (as exhibited by approximately 16 years of subsurface investigation at the Site), it does not appear that an on-Site point source would have contributed to the presence of PCE in soil vapor in a manner such that the distribution across the Site appears somewhat homogeneous horizontally and vertically. Additionally, the dissolved phase PCE concentrations in groundwater do not appear elevated enough to contribute to the elevated PCE concentrations exhibited in on-Site soil vapor.

## **7.2 POTENTIAL OFF-SITE SOURCES OF PCE**

Based on the information presented herein, the potential that PCE has migrated in soil vapor onto the Site from an off-Site source is likely. The Site is located in an area that is mainly commercial and industrial with exception of a residential neighborhood to the south-southeast. In an effort to determine the potential source of PCE in soil vapor at the Site, FREY reviewed information for off-Site cleanup facility listings within one-mile of the Site on the SWRCB GeoTracker website (SWRCB, 2021) and on the DTSC EnviroStor website (DTSC, 2021).

- A search of the GeoTracker and EnviroStor websites shows that there are eight (8) open cleanup facilities located within a one-mile radius of the Site that are related to solvents and list PCE as one of the primary contaminants of concern. The majority of the facilities are located west and northwest of the Site, and one is shown east of the Site. The GeoTracker website lists all eight of the facilities as part of the Orange County North Basin Superfund Site (OCNBSS).

The OCNBSS is considered one of the nation's most toxic hazardous waste sites and is described as a comingled groundwater plume of chlorinated solvents and other contaminants covering approximately five square miles beneath parts of the cities of Anaheim and Fullerton (EPA, 2021). In the past, the plume was also partially beneath part of the city of Placentia, but the plume has since moved southwest and is located just west of State College Boulevard. The EPA is currently working to further characterize the entire OCNBSS. The California DTSC and the Santa Ana Regional Water Quality Control Board (SA-RWQCB) continue to actively initiate and oversee facility-led investigation and remediation of subsurface contamination (soil and shallow groundwater) at several of the manufacturing facilities identified as possible contributors to the plume.

FREY reviewed information provided on the GeoTracker website regarding some of the closest of the OCNBSS cleanup facilities (SWRCB, 2021). Many of the facilities have reported elevated concentrations of PCE in soil vapor that exist in soil vapor down to the water table. A summary of information from the closest of the currently identified OCNBSS facilities is below:

- Investigations at Howmet (Howmet) Global Fastening Systems, located at 800 South State College Boulevard and approximately 1,750 feet northwest of the

Site, began in 1996. PCE was found in soil and vapor at the facility property, and soil vapor extraction (SVE) remediation was initiated at the property in 2009. According to soil vapor sampling conducted as part of remedial activities at the facility property, concentrations of PCE as high as 474,000 ug/m<sup>3</sup> and 111,000 ug/m<sup>3</sup> were reported in 20 foot depth samples collected from beneath the property in 2019 and 2020. Concentrations in the thousands and tens of thousands ug/m<sup>3</sup> were still detected in soil vapor samples collected post-remediation from depths up to 60 feet bgs as recent as January 29, 2021 (Geosyntec, 2021).

It is FREY's professional opinion that the potential exists for PCE in soil vapor to have diffused from an off-Site release of PCE to soil and migrated through subsurface soil (vadose zone consisting mainly of permeable sands from the ground surface to approximately 70 feet bgs) to the Site. Based on the concentrations of PCE in soil vapor at the Howmet property, its proximity to the Site, and the known distribution and concentrations of PCE in soil vapor beneath the Site, the possibility exists that former PCE releases at the Howmet property may have migrated in soil vapor to the Site. However, as noted above, the OCNBSS is still being characterized and information from other OCNBSS cleanup facilities and/or future so far unidentified facilities may indicate that soil vapor contaminated with PCE may exist regionally and outside of the OCNBSS groundwater plume boundaries.

## **8.0 CONCEPTUAL SITE MODEL**

The potential risks to human health and the environment have been reviewed by FREY and are illustrated in a Site specific CSM receptor network flow diagram presented in Appendix F. The following sections discuss: 1) potential contaminant exposure routes; 2) potential migration pathways; 3) factors potentially affecting distribution of COPC in the subsurface; and 4) sensitive receptors.

### **8.1 POTENTIAL CONTAMINANT EXPOSURE ROUTES**

Potential routes of exposure include inhalation, ingestion, and dermal contact. Inhalation routes are primarily from surface emissions of vapor-phase constituents, the volatilization of separate-phase hydrocarbons in the subsurface, and to a lesser degree from volatilization of hydrocarbons from the dissolved-phase. A potential inhalation route also exists from groundwater with dissolved-phase hydrocarbons pumped to the surface and used for domestic or irrigation purposes. Ingestion routes are through domestic use of groundwater or the unintended ingestion of soil from intrusive subsurface work on the Site, such as, trench digging for utility service or irrigation. Dermal routes of exposure are through contact with soil during construction or contact with groundwater used for domestic supply.

### **8.2 POTENTIAL MIGRATION PATHWAYS**

The ASTM lists the following potential migration pathways: groundwater, surface water, soil vapor, air born particulates, soil contact, sediment, and biota (ASTM, 2014). These potential migration pathways are reviewed below.

### **8.2.1 Groundwater**

The groundwater migration pathway involves the transport of dissolved-phase COPC by groundwater entrainment which can move petroleum hydrocarbons from the source in the direction of groundwater flow. The presence of petroleum hydrocarbons in soil at depth is a concern with respect to groundwater impact. However, as documented through twenty-one (21) years of groundwater monitoring and sampling, the extent of the plume of COPC in groundwater are well assessed, and the plume of COPC has diminished in size through remediation efforts and natural attenuation. The limits of the plume of COPC in groundwater (primarily benzene) are primarily restricted to the extent of the Site. The closest municipal drinking water well GSWC – Placentia well La Jolla #02, is located 1,750 feet east-southeast of the Site. Water quality data assessable on GeoTracker (SWRCB, 2021) for La Jolla #02 well, indicates that the well has not been impacted with petroleum hydrocarbons nor chlorinated solvents. Based on the groundwater sampling data, the groundwater migration pathway is considered incomplete.

### **8.2.2 Surface Water**

Surface water transport could occur if soil with concentrations of COPC come in contact with storm water runoff. The Site is paved with concrete or asphalt. The properties surrounding the Site are mostly paved as well, and near surface soils (0 to 5-feet bgs) are not impacted with concentrations of COPC. Therefore, the surface water migration pathway is considered incomplete.

### **8.2.3 Soil Vapor**

The soil vapor pathway occurs via air diffusion through interconnecting pore space. Adsorbed-phase COPC can volatilize and migrate (as vapor phase) both laterally and vertically from the source area. Additionally, utility trenches (zones of higher relative permeability) at the Site can potentially provide conduits for vapor transport. Based on soil vapor sampling results from July 6, 2021, and September 2, 2021, COPC are present in soil vapor at depths of 5 feet bgs beneath the Site in concentrations that may pose a health threat. Therefore, the soil vapor migration pathway is considered complete.

### **8.2.4 Airborne Particulates**

The airborne particulates pathway occurs via the disturbance of soil with adsorbed-phase COPC caused by such activities as building demolition or subsurface building improvements (utility trenches, concrete floor removal) at the Site can potentially provide conduits for particulate inhalation. However, based on the results of historical soil sampling activities prior to active Site remediation and recent results from soil sampling on July 6, 2021 and August 30 and 31, 2021, which document low to non-detect concentrations of COPC in shallow soil, residual concentrations of COPC in soil do not pose a significant health threat, and the airborne particulates migration pathway is considered incomplete.

### **8.2.5 Soil Contact**

The soil contact pathway involves direct contact with adsorbed contaminant, which could occur during excavation of soils as part of construction work. However, based on the results of historical soil sampling activities prior to active Site remediation and recent results from soil sampling on July 6, 2021 and August 30 and 31, 2021, documenting low to non-detect concentrations of COPC in shallow soil, residual concentrations of COPC in soil do not pose a significant health threat, and the soil contact pathway is considered incomplete.

### **8.2.6 Sediment**

Sediment migration could be a potential concern during construction activities when primarily impervious surfaces are removed and rain or introduced surface water carries sediment away. However, based on the results of historical soil sampling activities prior to active Site remediation and recent results from soil sampling on July 6, 2021 and August 30 and 31, 2021, documenting low to non-detect concentrations of COPC in shallow soil, the sediment migration pathway is incomplete.

### **8.2.7 Biota**

The biotic migration pathway is incomplete because animals do not have access to impacted soils as near surface soils are not impacted CPOCs.

## **8.3 FACTORS POTENTIALLY AFFECTING DISTRIBUTION OF COPC IN THE SUBSURFACE**

### **8.3.1 Geologic and Hydrogeologic Factors**

Residual concentrations of petroleum hydrocarbons in soil beneath the Site appear to be primarily located above the groundwater table at depths between approximately 15 and 70 feet bgs (Tables 1 through 3, Figures 12 through 14). Given the relatively low permeability nature of the silty sands, silts, and clayey soils encountered at approximately 65 to 70 feet bgs and extending to depths of up to 95 feet bgs during previously conducted drilling investigations at the Site, which are generally present laterally below the remaining petroleum hydrocarbons in soil beneath the former UST, there is a very low likelihood that the residual petroleum hydrocarbons will further migrate vertically through the 20 to 25 foot thick aquitard.

No other subsurface features or preferential pathways that might affect subsurface groundwater flow beneath the Site are known to exist.

The presence of the minimal remaining COPC in subsurface soils has not further impacted groundwater based on historic groundwater monitoring and sampling data. Any remaining CPOC in soil and groundwater beneath the Site are anticipated to continue to decrease by natural attenuation.

### **8.3.2 Subsurface Utilities, Sewers, and Storm Drains**

Sewers, storm drains, or other subsurface utilities could potentially enhance the migration of COPC in soil vapor toward potential sensitive receptors. Based on the results of recent soil vapor sampling conducted on July 6, 2021, and September 2, 2021, COPC (particularly PCE) are present in soil vapor 5 feet beneath the Site. The potential for COPC to migrate via utility trenches towards potential sensitive receptors exists.

## **8.4 SENSITIVE RECEPTORS**

This section presents potential exposure scenarios to the identified sensitive receptors associated with the COPC beneath the Site. The two subcategories of receptors are listed as human receptors and ecological receptors (ASTM, 2014; DTSC, 2008; EPA, 1996).

### **8.4.1 Human Receptors**

The Site is located in an area of commercial and residential development. The property is proposed for residential development. Human receptors include building residents and construction workers.

Based on the results of recent soil vapor sampling conducted on July 6, 2021, and September 2, 2021, COPC (particularly PCE) are present in soil vapor 5 feet beneath the Site in concentrations that may pose a health risk to building residents or construction workers.

### **8.4.2 Ecological Receptors**

Ecological receptors include plants and animals associated with habitats or undeveloped environments found within the Site vicinity. COPC exist in an isolated extent in soil and groundwater beneath the Site at depths greater than 10 feet bgs. As such, the potential exposure pathway for ecological receptors at the Site is incomplete.

## **9.0 EVALUATION OF VAPOR INTRUSION RISK**

The presence of VOCs in indoor air are typically evaluated as a potential threat to human health through vapor intrusion. Subsurface VOCs, whether in soil, soil vapor or groundwater, can migrate upward through the soil and enter into buildings causing unacceptable chemical exposure for building occupants. The soil vapor results from the July 6, 2021 and September 2, 2021 investigations were used to assess potential human health risks posed by subsurface vapor intrusion.

In order to evaluate this concern, FREY conducted a Site-specific evaluation to estimate the cumulative cancer risk and hazard index for the Site calculated in accordance with Step 3C of the DRAFT *Supplemental Guidance: Screening and Evaluating Vapor Intrusion* (DRAFT Supplemental VI Guidance) released in February 2020 (SFBRWQCB, 2020).

Using the Site's recent maximum soil vapor PCE concentration, the estimated cumulative cancer risk and hazard index for a resident at the Site is  $9.33 \times 10^{-5}$  and 1.00, respectively. Table 10 summarizes the results of the estimated cancer risk and hazard index for subslab vapor intrusion at the Site.

According to the DRAFT Supplemental VI Guidance, if the initial evaluation of vapor intrusion indicates a cancer risk between  $1 \times 10^{-6}$  and  $1 \times 10^{-4}$  and a hazard index less than or equal to 1 then the risk management decision is "Determine Appropriate Action". Possible actions listed by the DRAFT Supplemental VI Guidance include: none; institutional control; additional investigation/sampling; monitoring; refine risk assessment; mitigation; and remediation (SFBRWQCB, 2020).

## **10.0 CONCLUSIONS AND RECOMMENDATIONS**

A significant amount of assessment and remediation work has been conducted at the Site since 1988. The extent of COPC in soil, soil vapor, and groundwater present beneath the Site, whether due to historical Site use(s) or the migration of COPC from off-Site sources, have been very well assessed. Concentrations of PCE in shallow soil vapor that exceed some regulatory criteria appear to be spread throughout the Site and appear to decrease slightly from west to east across the Site as shown on Tetra Tech figure presented in Appendix B and Figures 17, 18, and 19. The source of this PCE as well as other COPC in shallow soil vapor in the area of the Site is unknown, but it may be related to the Site's relative location to the OCNBSS and proximity to various facilities being investigated and remediated as part of the Superfund Area as well as so far unidentified facilities with PCE releases to subsurface soil. Regardless of the source, COPC in soil vapor are sufficiently assessed through historical and recent assessment of the Site and, soil vapor, which as it pertains to proposed future development, is adequately assessed.

Recalcitrant concentrations of COPC in soil, groundwater, and soil vapor have been demonstrated to pose minimal to no risk to sensitive receptors except for the potential risk of PCE in soil vapor to intrude into future residential buildings.

Based on the information reviewed as presented in this CSM, it is FREY's professional judgement that no additional environmental assessment or active remediation is required at this time for the Site. However, FREY recommends that, based on the occurrence of PCE concentrations in soil vapor as demonstrated from the most recent investigations conducted on July 6, 2021, and September 2, 2021, as well as during vapor rebound testing conducted previously on October 13, 14, and 15, 2015, a soil vapor intrusion barrier and active venting system should be installed for proposed future residential buildings located on the Site.

## 11.0 LIMITATIONS

The judgments described in this document are professional opinions based solely within the limits of the scope of work authorized and pertain to conditions judged to be present or applicable at the time the work was performed. Future conditions may differ from those described herein, and this document is not intended for future evaluations of this Site unless an update is conducted by a consultant familiar with environmental assessments.

This document was compiled from information supplied to FREY from outside sources, and other information that is in the public domain. FREY makes no warranty as to the accuracy of statements made by others, which may be contained in this report, nor are any other warranties or guarantees, expressed or implied, included or intended by the report, except that it has been prepared in accordance with the current accepted practices and standards consistent with the level of care and skill exercised under similar circumstances by other professional consultants or firms performing similar services. Future environmental investigations may reveal site conditions not indicated in the data reviewed by FREY. Additionally, changes in standards or regulations applicable to the Site may occur. The findings of this document may be partially or wholly invalidated by changes of which FREY is not aware or has not had the opportunity to evaluate.

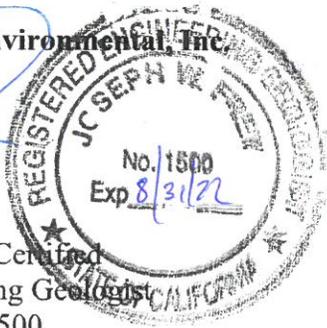
Environmental assessments provide an additional source on information regarding the environmental conditions of a particular property or facility. The report to the Client is a professional opinion and judgment, dependent upon FREY's knowledge and information obtained during the course of performance of the services.

Should you have any questions regarding this CSM report, please contact us at (949) 723-1645.

Sincerely,

**FREY Environmental, Inc.**

Joe Frey  
Principal Certified  
Engineering Geologist  
C.E.G. #1500



Kent Tucker  
Senior Project Geologist  
P.G. #7584

A handwritten signature in black ink that reads "D Hoppe".

Deanna Hoppe  
Senior Staff Geologist

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## **TABLES**

**TABLE 1**  
**SUMMARY OF UST PIT SOIL SAMPLE CHEMICAL ANALYSES RESULTS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

soil - milligrams per kilogram (mg/kg)

Sample Number	Date Sampled	Sample Description	Depth (feet-bgs) [1]	TPH-G [2]	Benzene[3]	Toluene [3]	Ethyl-Benzene[3]	Total Xylenes[3]
<b>Former UST Pit Soil Samples</b>								
S-1	04/29/1988	South end of UST	Approx.14	1,330	15.2	139	1.47	0.14
N-1	04/29/1988	North end of UST	Approx.14	ND<1.0	--	--	--	--
RTE-1	05/16/1988	Southwest corner of excavation	14	3,549	19	1,778	21	115
RTE-2	05/16/1988	Center of excavation	14	5,898	169	3,060	43	200

**notes:**

- [1] Depth of soil samples estimated from typical 10,000-gallon UST excavation of approximately 12 feet bgs (typical circumference of 12 feet). Soil samples were collected approximately 2 feet below the bottom of the UST.
- [2] Analyzed for Total Petroleum Hydrocarbons as gasoline (TPH-G) by EPA Method No. 8015B.
- [3] Analyzed by EPA Method No. 8020.
- feet-bgs feet below ground surface
- ND<0.50 Not detected at or above the indicated reporting limit.
- Not Analyzed

**TABLE 2**  
**SUMMARY OF SOIL BORING SAMPLE CHEMICAL ANALYSES RESULTS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

soil - milligrams per kilogram (mg/kg)

SAMPLE NUMBER	DEPTH (feet BGS)	DATE SAMPLED	TPHg [1]	TPHd [1]	TPHo [1]	Benzene[2]	Toluene [2]	Ethyl-Benzene[2]	Total Xylenes[2]	MTBE [2]	TBA [2]	ETBE [2]	DIPE [2]	TAME [2]
<b><u>GeoResearch</u></b>														
AF1-10	10	07/07/1988	ND<1.0	--	--	--	--	--	--	--	--	--	--	--
AF1-15	15	07/07/1988	ND<1.0	--	--	ND<0.1	ND<0.1	ND<0.5	ND<0.5	--	--	--	--	--
AF1-20	20	07/07/1988	ND<1.0	--	--	--	--	--	--	--	--	--	--	--
AF1-30	30	07/07/1988	ND<1.0	--	--	--	--	--	--	--	--	--	--	--
AF1-40	40	07/07/1988	ND<1.0	--	--	--	--	--	--	--	--	--	--	--
AF2-10	10	07/07/1988	ND<1.0	--	--	--	--	--	--	--	--	--	--	--
AF2-15	15	07/07/1988	ND<1.0	--	--	ND<0.1	ND<0.1	ND<0.5	ND<0.5	--	--	--	--	--
AF2-20	20	07/07/1988	ND<1.0	--	--	--	--	--	--	--	--	--	--	--
AF2-30	30	07/07/1988	ND<1.0	--	--	--	--	--	--	--	--	--	--	--
AF2-40	40	07/07/1988	ND<1.0	--	--	--	--	--	--	--	--	--	--	--
AF3-10	10	07/07/1988	ND<1.0	--	--	--	--	--	--	--	--	--	--	--
AF3-15	15	07/07/1988	ND<1.0	--	--	ND<0.1	ND<0.1	ND<0.5	ND<0.5	--	--	--	--	--
AF3-20	20	07/07/1988	ND<1.0	--	--	--	--	--	--	--	--	--	--	--
AF3-30	30	07/07/1988	ND<1.0	--	--	--	--	--	--	--	--	--	--	--
AF3-40	40	07/07/1988	1.53	--	--	--	--	--	--	--	--	--	--	--
AF3-50	50	07/07/1988	ND<1.0	--	--	--	--	--	--	--	--	--	--	--
AF3-60	60	07/07/1988	ND<1.0	--	--	--	--	--	--	--	--	--	--	--
AF4-10	10	07/07/1988	ND<1.0	--	--	--	--	--	--	--	--	--	--	--
AF4-15	15	07/07/1988	ND<1.0	--	--	ND<0.1	ND<0.1	ND<0.5	ND<0.5	--	--	--	--	--
AF4-20	20	07/07/1988	ND<1.0	--	--	--	--	--	--	--	--	--	--	--
AF4-30	30	07/07/1988	ND<1.0	--	--	--	--	--	--	--	--	--	--	--
AF4-40	40	07/07/1988	ND<1.0	--	--	--	--	--	--	--	--	--	--	--
AF5-26	26	07/19/1988	2,129	--	--	--	--	--	--	--	--	--	--	--
AF5-34.6	34.6	07/19/1988	1,483	--	--	--	--	--	--	--	--	--	--	--
AF5-43.3	43.3	07/19/1988	4,472	--	--	--	--	--	--	--	--	--	--	--
AF5-52	52	07/19/1988	2,626	--	--	ND<0.1	ND<0.1	ND<0.5	ND<0.5	--	--	--	--	--
CC-60	60	07/07/1988	ND<1.0	--	--	--	--	--	--	--	--	--	--	--
CC-75	75	07/07/1988	ND<1.0	--	--	--	--	--	--	--	--	--	--	--

**TABLE 2**  
**SUMMARY OF SOIL BORING SAMPLE CHEMICAL ANALYSES RESULTS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

soil - milligrams per kilogram (mg/kg)

SAMPLE NUMBER	DEPTH (feet BGS)	DATE SAMPLED	TPHg [1]	TPHd [1]	TPHo [1]	Benzene[2]	Toluene [2]	Ethyl-Benzene[2]	Total Xylenes[2]	MTBE [2]	TBA [2]	ETBE [2]	DIPE [2]	TAME [2]
GW-1-22	22	10/14/1988	7.0	--	--	--	--	--	--	--	--	--	--	--
GW-1-55	55	10/14/1988	718	--	--	--	--	--	--	--	--	--	--	--
GW-1-65	65	10/14/1988	1,500	--	--	19.6	64.9	28.5	128.1	--	--	--	--	--
GW-1-95B	95	10/14/1988	6.0	--	--	0.88	2.34	0.161	0.09	--	--	--	--	--
GW-1-99.5A0"	99.50	10/15/1988	ND<1.0	--	--	ND<0.01	0.96	ND<0.05	ND<0.05	--	--	--	--	--
GW-1-99.5A6"	99.56	10/15/1988	ND<1.0	--	--	ND<0.01	ND<0.01	ND<0.05	ND<0.05	--	--	--	--	--
<b><u>Bruce Robnison Jr.</u></b>														
GW-2-65	65	1990	1,286	--	--	3.0	34.6	13.3	4	--	--	--	--	--
GW-3-30	30	1990	267	--	--	ND	25.6	ND	38.8	--	--	--	--	--
GW-3-65	65	1990	1,075	--	--	3.3	25.8	2.0	7.4	--	--	--	--	--
GW-3-70	70	1990	3	--	--	1.5	0.1	0.2	0.4	--	--	--	--	--
GW-4-65	65	1990	ND	--	--	ND	0.6	0.1	0.3	--	--	--	--	--
<b><u>Environmental Business Solutions</u></b>														
MW10-10	10	01/04/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW10-20	20	01/04/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW10-30	30	01/04/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW10-40	40	01/04/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW10-50	50	01/04/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW10-60	60	01/04/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW10-69	69	01/04/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW10-74	74	01/04/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW10-82	82	01/04/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW10-84	84	01/04/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW10-89	89	01/04/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW10-94	94	01/04/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW10-112	112	01/04/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW10-120	120	01/04/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW10-125	125	01/04/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW10-130	130	01/04/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW10-132	132	01/04/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW10-137	137	01/04/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005

**TABLE 2**  
**SUMMARY OF SOIL BORING SAMPLE CHEMICAL ANALYSES RESULTS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

soil - milligrams per kilogram (mg/kg)

SAMPLE NUMBER	DEPTH (feet BGS)	DATE SAMPLED	TPHg [1]	TPHd [1]	TPHo [1]	Benzene[2]	Toluene [2]	Ethyl-Benzene[2]	Total Xylenes[2]	MTBE [2]	TBA [2]	ETBE [2]	DIPE [2]	TAME [2]
MW11-10	10	01/05/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW11-20	20	01/05/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW11-30	30	01/05/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW11-40	40	01/05/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW11-50	50	01/05/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW11-60	60	01/05/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW11-70	70	01/05/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW11-78	78	01/05/2005	748	ND<10	ND<50	0.79	14.4	9.61	58.9	ND<0.250	ND<1.0	ND<0.250	ND<0.250	ND<0.250
MW11-84	84	01/05/2005	ND<0.5	ND<10	ND<50	0.021	0.003	0.003	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW11-88	88	01/05/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW11-93	93	01/05/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW11-97	97	01/05/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW11-103	103	01/05/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW11-109	109	01/05/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW11-113	113	01/05/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW11-118	118	01/05/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW11-125	125	01/05/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW11-127	127	01/05/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW11-133	133	01/05/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW11-135	135	01/05/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW11-138.5	138.5	01/05/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW11-140	140	01/05/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW11-145	145	01/05/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW12-10	10	06/07/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW12-20	20	06/07/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW12-30	30	06/07/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW12-40	40	06/07/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW12-50	50	06/07/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW12-60	60	06/07/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW12-77.5	77.5	06/07/2005	234	ND<10	ND<50	0.64	0.164	2.5	17.6	ND<0.10	--	--	--	--
MW12-81	81	06/07/2005	150	ND<10	ND<50	0.88	0.035	2.14	11.19	ND<0.050	--	--	--	--
MW12-91	91	06/07/2005	140	ND<10	ND<50	0.058	0.012	1.24	5.55	ND<0.025	--	--	--	--
MW12-105	105	06/07/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	--	--	--	--
MW12-110	110	06/07/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW12-115	115	06/07/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	--	--	--	--
MW12-120	120	06/07/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW12-125	125	06/07/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW12-130	130	06/07/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	--	--	--	--
MW12-135	135	06/07/2005	--	--	--	--	--	--	--	--	--	--	--	--

**TABLE 2**  
**SUMMARY OF SOIL BORING SAMPLE CHEMICAL ANALYSES RESULTS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

soil - milligrams per kilogram (mg/kg)

SAMPLE NUMBER	DEPTH (feet BGS)	DATE SAMPLED	TPHg [1]	TPHd [1]	TPHo [1]	Benzene[2]	Toluene [2]	Ethyl-Benzene[2]	Total Xylenes[2]	MTBE [2]	TBA [2]	ETBE [2]	DIPE [2]	TAME [2]
MW13-10	10	06/06/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW13-20	20	06/06/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW13-30	30	06/06/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW13-40	40	06/06/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW13-50	50	06/06/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW13-60	60	06/06/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW13-70.5	70.5	06/06/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	--	--	--	--
MW13-73	73	06/06/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW13-81	81	06/06/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW13-84	84	06/06/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW13-88	88	06/06/2005	ND<0.5	ND<10	ND<50	0.148	0.006	0.042	0.078	ND<0.005	--	--	--	--
MW13-90	90	06/06/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	--	--	--	--
MW13-100	100	06/06/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	--	--	--	--
MW13-105	105	06/06/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW13-110	110	06/06/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW13-115	115	06/06/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	--	--	--	--
MW13-120	120	06/06/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW13-125	125	06/06/2005	--	--	--	--	--	--	--	--	--	--	--	--

**TABLE 2**  
**SUMMARY OF SOIL BORING SAMPLE CHEMICAL ANALYSES RESULTS**  
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**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

soil - milligrams per kilogram (mg/kg)

SAMPLE NUMBER	DEPTH (feet BGS)	DATE SAMPLED	TPHg [1]	TPHd [1]	TPHo [1]	Benzene[2]	Toluene [2]	Ethyl-Benzene[2]	Total Xylenes[2]	MTBE [2]	TBA [2]	ETBE [2]	DIPE [2]	TAME [2]
MW14-20	20	01/10/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW14-25	25	01/10/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW14-35	35	01/10/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW14-40	40	01/10/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW14-45	45	01/10/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW14-50	50	01/10/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW14-55	55	01/10/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW14-60	60	01/10/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW14-65	65	01/10/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW14-70	70	01/10/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW14-71	71	01/10/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW14-75	75	01/10/2005	45	ND<10	ND<50	0.179	0.774	0.335	2.43	ND<0.025	ND<0.10	ND<0.025	ND<0.025	ND<0.25
MW14-83	83	01/10/2005	ND<0.5	ND<10	ND<50	0.012	ND<0.002	ND<0.002	0.029	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW14-90	90	01/10/2005	ND<0.5	ND<10	ND<50	0.006	ND<0.002	0.003	0.024	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW14-92	92	01/10/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW14-93	93	01/10/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW14-96	96	01/10/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW14-105	105	01/10/2005	10	ND<10	ND<50	0.023	0.142	0.153	1.168	ND<0.025	ND<0.10	ND<0.025	ND<0.025	ND<0.25
MW14-115	115	01/10/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW14-120	120	01/10/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW14-125	125	01/10/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW14-130	130	01/10/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW14-135	135	01/10/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW14-140	140	01/10/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005

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SAMPLE NUMBER	DEPTH (feet BGS)	DATE SAMPLED	TPHg [1]	TPHd [1]	TPHo [1]	Benzene[2]	Toluene [2]	Ethyl-Benzene[2]	Total Xylenes[2]	MTBE [2]	TBA [2]	ETBE [2]	DIPE [2]	TAME [2]
MW15-5	5	01/07/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW15-10	10	01/07/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW15-15	15	01/07/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW15-20	20	01/07/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW15-25	25	01/07/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW15-30	30	01/07/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW15-35	35	01/07/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW15-40	40	01/07/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW15-45	45	01/07/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW15-50	50	01/07/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW15-55	55	01/07/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW15-60	60	01/07/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW15-65	65	01/07/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW15-70	70	01/07/2005	4.1	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	0.013	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW15-71.5	71.5	01/07/2005	1,980	ND<10	ND<50	ND<0.2	0.37	22.4	110.8	ND<0.50	ND<2.0	ND<0.50	ND<0.50	ND<0.50
MW15-75	75	01/07/2005	211	ND<10	ND<50	ND<0.10	ND<0.10	0.159	0.022	ND<0.025	ND<0.10	ND<0.025	ND<0.025	ND<0.25
MW15-80	80	01/07/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW15-84	84	01/07/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005

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MW16-10	10	01/11/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW-16-20	20	01/11/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW16-30	30	01/11/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW16-40	40	01/11/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW16-50	50	01/11/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW16-60	60	01/11/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW16-70	70	01/11/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW16-73	73	01/11/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW16-79	79	01/11/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW16-84	84	01/11/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW16-89	89	01/11/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW16-91.5	91.5	01/11/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW16-120	120	01/11/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW16-125	125	01/11/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW16-130	130	01/11/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW16-135	135	01/11/2005	ND<0.5	ND<10	ND<50	ND<0.002	ND<0.002	ND<0.002	ND<0.006	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.005
MW16-140	140	01/11/2005	--	--	--	--	--	--	--	--	--	--	--	--
<b><u>FREY Environmental, Inc.</u></b>														
MW17-2.5	2.5	07/10/2013	ND<0.50	16	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW17-5	5	07/10/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW17-10	10	07/10/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW17-15	15	07/10/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW17-20	20	07/10/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW17-25	25	07/10/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW17-30	30	07/10/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW17-35	35	07/10/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW17-40	40	07/10/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW17-45	45	07/10/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW17-50	50	07/10/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW17-55	55	07/10/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW17-60	60	07/10/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW17-65	65	07/10/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW17-70	70	07/10/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW17-75	75	07/10/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW17-80	80	07/10/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW17-85	85	07/10/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010



**TABLE 2**  
**SUMMARY OF SOIL BORING SAMPLE CHEMICAL ANALYSES RESULTS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

soil - milligrams per kilogram (mg/kg)

SAMPLE NUMBER	DEPTH (feet BGS)	DATE SAMPLED	TPHg [1]	TPHd [1]	TPHo [1]	Benzene[2]	Toluene [2]	Ethyl-Benzene[2]	Total Xylenes[2]	MTBE [2]	TBA [2]	ETBE [2]	DIPE [2]	TAME [2]
MW20-2.5	2.5	07/08/2013	ND<0.50	9.7	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW20-5	5	07/08/2013	ND<0.50	7.8	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW20-10	10	07/08/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW20-15	15	07/08/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW20-20	20	07/08/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW20-25	25	07/08/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW20-30	30	07/08/2013	ND<0.50	5.5	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW20-35	35	07/08/2013	ND<0.50	7.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW20-40	40	07/08/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW20-45	45	07/08/2013	ND<0.50	5.8	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW20-50	50	07/08/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW20-55	55	07/08/2013	ND<0.50	9.6	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW20-60	60	07/08/2013	ND<0.50	20	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW20-65	65	07/08/2013	ND<0.50	110	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW20-70	70	07/08/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW20-75	75	07/08/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW20-80	80	07/08/2013	ND<0.50	5.2	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW20-85	85	07/08/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW21-2.5	2.5	07/09/2013	ND<0.50	9.8	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW21-5	5	07/09/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW21-10	10	07/09/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW21-15	15	07/09/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW21-20	20	07/09/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW21-25	25	07/09/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW21-30	30	07/09/2013	ND<0.50	32	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW21-35	35	07/09/2013	ND<0.50	6.2	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW21-40	40	07/09/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW21-45	45	07/09/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW21-50	50	07/09/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW21-55	55	07/09/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW21-60	60	07/09/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW21-65	65	07/09/2013	ND<0.50	8.7	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW21-70	70	07/09/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW21-75	75	07/09/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW21-80	80	07/09/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW21-85	85	07/09/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010

**TABLE 2**  
**SUMMARY OF SOIL BORING SAMPLE CHEMICAL ANALYSES RESULTS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

soil - milligrams per kilogram (mg/kg)

SAMPLE NUMBER	DEPTH (feet BGS)	DATE SAMPLED	TPHg [1]	TPHd [1]	TPHo [1]	Benzene[2]	Toluene [2]	Ethyl-Benzene[2]	Total Xylenes[2]	MTBE [2]	TBA [2]	ETBE [2]	DIPE [2]	TAME [2]
MW22-2.5	2.5	08/05/2014	ND<0.51	ND<5.0	--	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.010	ND<0.010	ND<0.010
MW22-5	5	08/05/2014	ND<0.48	ND<4.9	--	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.010	ND<0.010	ND<0.010
MW22-10	10	08/05/2014	ND<0.51	ND<5.0	--	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.010	ND<0.010	ND<0.010
MW22-15	15	08/05/2014	ND<0.49	ND<5.1	--	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.010	ND<0.010	ND<0.010
MW22-20	20	08/05/2014	ND<0.52	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW22-25	25	08/05/2014	ND<0.50	ND<5.0	--	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.049	ND<0.010	ND<0.010	ND<0.010
MW22-30	30	08/05/2014	ND<0.52	ND<5.0	--	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.010	ND<0.010	ND<0.010
MW22-35	35	08/05/2014	ND<0.50	ND<5.0	--	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.010	ND<0.010	ND<0.010
MW22-40	40	08/05/2014	ND<0.50	ND<5.0	--	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.049	ND<0.010	ND<0.010	ND<0.010
MW22-45	45	08/05/2014	ND<0.49	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW22-50	50	08/05/2014	ND<0.48	ND<5.0	--	ND<0.0052	ND<0.0052	ND<0.0052	ND<0.0052	ND<0.0052	ND<0.052	ND<0.010	ND<0.010	ND<0.010
MW22-55	55	08/05/2014	ND<0.52	ND<5.0	--	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.010	ND<0.010	ND<0.010
MW22-60	60	08/05/2014	ND<0.51	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW22-65	65	08/05/2014	ND<0.51	ND<5.0	--	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.049	ND<0.010	ND<0.010	ND<0.010
MW22-70	70	08/05/2014	ND<0.48	ND<4.9	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW22-75	75	08/05/2014	ND<0.48	8.1	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW23-2.5	2.5	08/04/2014	ND<0.50	ND<0.51	--	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.049	ND<0.010	ND<0.010	ND<0.010
MW23-5	5	08/04/2014	ND<0.49	ND<5.0	--	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.010	ND<0.010	ND<0.010
MW23-10	10	08/04/2014	ND<0.50	ND<4.9	--	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.010	ND<0.010	ND<0.010
MW23-15	15	08/04/2014	ND<0.51	ND<5.0	--	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.010	ND<0.010	ND<0.010
MW23-20	20	08/04/2014	ND<0.49	ND<5.1	--	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.010	ND<0.010	ND<0.010
MW23-25	25	08/04/2014	ND<0.53	ND<5.0	--	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.049	ND<0.010	ND<0.010	ND<0.010
MW23-30	30	08/04/2014	ND<0.51	ND<5.0	--	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.010	ND<0.010	ND<0.010
MW23-35	35	08/04/2014	ND<0.52	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW23-40	40	08/04/2014	ND<0.49	ND<4.9	--	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.053	ND<0.010	ND<0.010	ND<0.010
MW23-45	45	08/04/2014	ND<0.50	ND<5.0	--	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.049	ND<0.010	ND<0.010	ND<0.010
MW23-50	50	08/04/2014	ND<0.51	ND<4.9	--	ND<0.0048	ND<0.0048	ND<0.0048	ND<0.0048	ND<0.0048	ND<0.048	ND<0.010	ND<0.010	ND<0.010
MW23-55	55	08/04/2014	ND<0.50	ND<5.0	--	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.049	ND<0.010	ND<0.010	ND<0.010
MW23-60	60	08/04/2014	ND<0.48	ND<4.9	--	ND<0.0052	ND<0.0052	ND<0.0052	ND<0.0052	ND<0.0052	ND<0.052	ND<0.010	ND<0.010	ND<0.010
MW23-65	65	08/04/2014	ND<0.52	ND<5.0	--	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.049	ND<0.010	ND<0.010	ND<0.010
MW23-70	70	08/04/2014	0.49	ND<5.0	--	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.010	ND<0.010	ND<0.010
MW23-75	75	08/04/2014	ND<0.49	ND<4.9	--	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.010	ND<0.010	ND<0.010

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**PLACENTIA, CALIFORNIA**

soil - milligrams per kilogram (mg/kg)

SAMPLE NUMBER	DEPTH (feet BGS)	DATE SAMPLED	TPHg [1]	TPHd [1]	TPHo [1]	Benzene[2]	Toluene [2]	Ethyl-Benzene[2]	Total Xylenes[2]	MTBE [2]	TBA [2]	ETBE [2]	DIPE [2]	TAME [2]
MW24-2.5	2.5	08/06/2014	ND<0.51	ND<4.9	--	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.049	ND<0.010	ND<0.010	ND<0.010
MW24-5	5	08/06/2014	ND<0.49	ND<4.9	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW24-10	10	08/06/2014	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
MW24-15	15	08/06/2014	ND<0.51	ND<5.1	--	ND<0.0048	ND<0.0048	ND<0.0048	ND<0.0048	ND<0.0048	ND<0.048	ND<0.010	ND<0.010	ND<0.010
MW24-20	20	08/06/2014	ND<0.50	ND<5.0	--	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.010	ND<0.010	ND<0.010
MW24-25	25	08/06/2014	ND<0.51	ND<5.0	--	ND<0.0048	ND<0.0048	ND<0.0048	ND<0.0048	ND<0.0048	ND<0.048	ND<0.010	ND<0.010	ND<0.010
MW24-30	30	08/06/2014	ND<0.48	ND<5.0	--	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.049	ND<0.010	ND<0.010	ND<0.010
MW24-35	35	08/06/2014	ND<0.49	ND<5.0	--	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.010	ND<0.010	ND<0.010
MW24-40	40	08/06/2014	ND<0.51	ND<5.0	--	ND<0.0052	ND<0.0052	ND<0.0052	ND<0.0052	ND<0.0052	ND<0.052	ND<0.010	ND<0.010	ND<0.010
MW24-45	45	08/06/2014	ND<0.49	ND<5.1	--	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.010	ND<0.010	ND<0.010
MW24-50	50	08/06/2014	ND<0.49	ND<5.0	--	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.049	ND<0.010	ND<0.010	ND<0.010
MW24-55	55	08/06/2014	ND<0.51	ND<4.9	--	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.049	ND<0.010	ND<0.010	ND<0.010
MW24-60	60	08/06/2014	ND<0.49	ND<4.9	--	ND<0.0048	ND<0.0048	ND<0.0048	ND<0.0048	ND<0.0048	ND<0.048	ND<0.010	ND<0.010	ND<0.010
MW24-65	65	08/06/2014	ND<0.53	ND<5.0	--	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.010	ND<0.010	ND<0.010
MW24-70	70	08/06/2014	ND<0.50	ND<5.0	--	ND<0.0052	ND<0.0052	ND<0.0052	ND<0.0052	ND<0.0052	ND<0.052	ND<0.010	ND<0.010	ND<0.010
MW24-75	75	08/06/2014	ND<0.49	ND<4.9	--	ND<0.0048	ND<0.0048	ND<0.0048	ND<0.0048	ND<0.0048	ND<0.048	ND<0.010	ND<0.010	ND<0.010
FB1-2.5	2.5	07/09/2013	ND<0.50	8.6	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
FB1-5	5	07/09/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
FB1-10	10	07/09/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
FB1-15	15	07/09/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
FB1-20	20	07/09/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
FB1-25	25	07/09/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
FB1-30	30	07/09/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
FB1-35	35	07/09/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
FB1-40	40	07/09/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
FB1-45	45	07/09/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
FB1-50	50	07/09/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
FB1-55	55	07/09/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
FB1-60	60	07/09/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
FB1-65	65	07/09/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
FB1-70	70	07/09/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
FB1-75	75	07/09/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
FB1-80	80	07/09/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010
FB1-85	85	07/09/2013	ND<0.50	ND<5.0	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.010	ND<0.010	ND<0.010

**TABLE 2**  
**SUMMARY OF SOIL BORING SAMPLE CHEMICAL ANALYSES RESULTS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

soil - milligrams per kilogram (mg/kg)

SAMPLE NUMBER	DEPTH (feet BGS)	DATE SAMPLED	TPHg [1]	TPHd [1]	TPHo [1]	Benzene[2]	Toluene [2]	Ethyl-Benzene[2]	Total Xylenes[2]	MTBE [2]	TBA [2]	ETBE [2]	DIPE [2]	TAME [2]
VE1-2.5	2.5	09/02/2015	ND<0.50	ND<10	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
VE1-5	5	09/02/2015	ND<0.50	ND<10	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
VE1-10	10	09/02/2015	ND<0.50	ND<10	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
VE1-15	15	09/02/2015	ND<0.50	ND<10	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
VE1-20	20	09/02/2015	ND<0.50	ND<10	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
VE1-25	25	09/02/2015	ND<0.50	ND<10	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
VE1-30	30	09/02/2015	ND<0.50	ND<10	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
VE1-35	35	09/02/2015	ND<0.50	ND<10	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
VE1-40	40	09/02/2015	ND<0.50	ND<10	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
VE1-45	45	09/02/2015	ND<0.50	ND<10	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
VE1-50	50	09/02/2015	ND<0.50	ND<10	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
VE1-55	55	09/02/2015	ND<0.50	ND<10	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
VE1-60	60	09/02/2015	ND<0.50	ND<10	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050
VE1-65	65	09/02/2015	ND<0.50	ND<10	--	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050

**Notes:**

- |  |   |
|--|---|
| [1] Analyzed for Total Petroleum Hydrocarbons as gasoline (TPH-G) deisel (TPH-D) or oil (TPG-O) by EPA Method No. 8015M. | -- = Not Analyzed   |
| [2] Analyzed by EPA Method No. 8260B.  | ND<0.50 = Not detected at or above the indicated reporting limit. |
| [3] Ananalyzed by DHS Organic Lead Method.   | J = estimated value   |

**TABLE 3**  
**SUMMARY OF SOIL BORING SAMPLE CHEMICAL ANALYSES RESULTS - ADDITIONAL VOCs**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

soil - milligrams per kilogram (mg/kg)

SAMPLE NUMBER	DEPTH (feet BGS)	DATE SAMPLED	Acetone	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	Naphthalene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene
<b>Environmental Business Solutions</b>										
MW10-10	10	01/04/2005	--	--	--	--	--	--	--	--
MW10-20	20	01/04/2005	--	--	--	--	--	--	--	--
MW10-30	30	01/04/2005	--	--	--	--	--	--	--	--
MW10-40	40	01/04/2005	--	--	--	--	--	--	--	--
MW10-50	50	01/04/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW10-60	60	01/04/2005	--	--	--	--	--	--	--	--
MW10-69	69	01/04/2005	--	--	--	--	--	--	--	--
MW10-74	74	01/04/2005	--	--	--	--	--	--	--	--
MW10-82	82	01/04/2005	0.12	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW10-84	84	01/04/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW10-89	89	01/04/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW10-94	94	01/04/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW10-112	112	01/04/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW10-120	120	01/04/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW10-125	125	01/04/2005	--	--	--	--	--	--	--	--
MW10-130	130	01/04/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW10-132	132	01/04/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW10-137	137	01/04/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010

**TABLE 3**  
**SUMMARY OF SOIL BORING SAMPLE CHEMICAL ANALYSES RESULTS - ADDITIONAL VOCs**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

soil - milligrams per kilogram (mg/kg)

SAMPLE NUMBER	DEPTH (feet BGS)	DATE SAMPLED								1,2,4-	1,3,5
			Acetone	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	Naphthalene	n-Propylbenzene	Trimethylbenzene	Trimethylbenzene	
MW11-10	10	01/05/2005	--	--	--	--	--	--	--	--	--
MW11-20	20	01/05/2005	--	--	--	--	--	--	--	--	--
MW11-30	30	01/05/2005	--	--	--	--	--	--	--	--	--
MW11-40	40	01/05/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW11-50	50	01/05/2005	--	--	--	--	--	--	--	--	--
MW11-60	60	01/05/2005	--	--	--	--	--	--	--	--	--
MW11-70	70	01/05/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW11-78	78	01/05/2005	ND<2.5	0.635	0.6	0.75	7.6	3.79	31	8.9	
MW11-84	84	01/05/2005	0.196	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW11-88	88	01/05/2005	--	--	--	--	--	--	--	--	--
MW11-93	93	01/05/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW11-97	97	01/05/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW11-103	103	01/05/2005	--	--	--	--	--	--	--	--	--
MW11-109	109	01/05/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW11-113	113	01/05/2005	--	--	--	--	--	--	--	--	--
MW11-118	118	01/05/2005	--	--	--	--	--	--	--	--	--
MW11-125	125	01/05/2005	--	--	--	--	--	--	--	--	--
MW11-127	127	01/05/2005	--	--	--	--	--	--	--	--	--
MW11-133	133	01/05/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW11-135	135	01/05/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW11-138.5	138.5	01/05/2005	--	--	--	--	--	--	--	--	--
MW11-140	140	01/05/2005	--	--	--	--	--	--	--	--	--
MW11-145	145	01/05/2005	--	--	--	--	--	--	--	--	--

**TABLE 3**  
**SUMMARY OF SOIL BORING SAMPLE CHEMICAL ANALYSES RESULTS - ADDITIONAL VOCs**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

soil - milligrams per kilogram (mg/kg)

SAMPLE NUMBER	DEPTH (feet BGS)	DATE SAMPLED								1,2,4-	1,3,5
			Acetone	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	Naphthalene	n-Propylbenzene	Trimethylbenzene	Trimethylbenzene	
MW12-10	10	06/07/2005	--	--	--	--	--	--	--	--	--
MW12-20	20	06/07/2005	--	--	--	--	--	--	--	--	--
MW12-30	30	06/07/2005	--	--	--	--	--	--	--	--	--
MW12-40	40	06/07/2005	--	--	--	--	--	--	--	--	--
MW12-50	50	06/07/2005	--	--	--	--	--	--	--	--	--
MW12-60	60	06/07/2005	--	--	--	--	--	--	--	--	--
MW12-77.5	77.5	06/07/2005	ND<1.0	ND<0.20	0.536	0.64	2.46	2.5	12.8	4.74	
MW12-81	81	06/07/2005	ND<0.50	ND<0.10	0.288	0.42	2.59	1.62	7.92	2.91	
MW12-91	91	06/07/2005	ND<0.25	ND<0.050	0.241	0.291	1.58	1.17	5.55	2.19	
MW12-105	105	06/07/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	
MW12-110	110	06/07/2005	--	--	--	--	--	--	--	--	
MW12-115	115	06/07/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	
MW12-120	120	06/07/2005	--	--	--	--	--	--	--	--	
MW12-125	125	06/07/2005	--	--	--	--	--	--	--	--	
MW12-130	130	06/07/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	
MW12-135	135	06/07/2005	--	--	--	--	--	--	--	--	

**TABLE 3**  
**SUMMARY OF SOIL BORING SAMPLE CHEMICAL ANALYSES RESULTS - ADDITIONAL VOCs**  
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**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

soil - milligrams per kilogram (mg/kg)

SAMPLE NUMBER	DEPTH (feet BGS)	DATE SAMPLED	Acetone	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	Naphthalene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene
MW13-10	10	06/06/2005	--	--	--	--	--	--	--	--
MW13-20	20	06/06/2005	--	--	--	--	--	--	--	--
MW13-30	30	06/06/2005	--	--	--	--	--	--	--	--
MW13-40	40	06/06/2005	--	--	--	--	--	--	--	--
MW13-50	50	06/06/2005	--	--	--	--	--	--	--	--
MW13-60	60	06/06/2005	--	--	--	--	--	--	--	--
MW13-70.5	70.5	06/06/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW13-73	73	06/06/2005	--	--	--	--	--	--	--	--
MW13-81	81	06/06/2005	--	--	--	--	--	--	--	--
MW13-84	84	06/06/2005	--	--	--	--	--	--	--	--
MW13-88	88	06/06/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	0.032	ND<0.010	0.048	0.013
MW13-90	90	06/06/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW13-100	100	06/06/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW13-105	105	06/06/2005	--	--	--	--	--	--	--	--
MW13-110	110	06/06/2005	--	--	--	--	--	--	--	--
MW13-115	115	06/06/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW13-120	120	06/06/2005	--	--	--	--	--	--	--	--
MW13-125	125	06/06/2005	--	--	--	--	--	--	--	--

**TABLE 3**  
**SUMMARY OF SOIL BORING SAMPLE CHEMICAL ANALYSES RESULTS - ADDITIONAL VOCs**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

soil - milligrams per kilogram (mg/kg)

SAMPLE NUMBER	DEPTH (feet BGS)	DATE SAMPLED	Acetone	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	Naphthalene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene
MW14-20	20	01/10/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW14-25	25	01/10/2005	--	--	--	--	--	--	--	--
MW14-35	35	01/10/2005	--	--	--	--	--	--	--	--
MW14-40	40	01/10/2005	--	--	--	--	--	--	--	--
MW14-45	45	01/10/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW14-50	50	01/10/2005	--	--	--	--	--	--	--	--
MW14-55	55	01/10/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW14-60	60	01/10/2005	--	--	--	--	--	--	--	--
MW14-65	65	01/10/2005	--	--	--	--	--	--	--	--
MW14-70	70	01/10/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW14-71	71	01/10/2005	--	--	--	--	--	--	--	--
MW14-75	75	01/10/2005	ND<0.250	0.212	ND<0.050	ND<0.050	0.092	0.243	1.3	0.422
MW14-83	83	01/10/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	0.021	0.011
MW14-90	90	01/10/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	0.011	ND<0.010	0.023	ND<0.010
MW14-92	92	01/10/2005	--	--	--	--	--	--	--	--
MW14-93	93	01/10/2005	--	--	--	--	--	--	--	--
MW14-96	96	01/10/2005	--	--	--	--	--	--	--	--
MW14-105	105	01/10/2005	ND<0.250	0.159	ND<0.050	ND<0.050	0.09	0.156	1.01	0.318
MW14-115	115	01/10/2005	--	--	--	--	--	--	--	--
MW14-120	120	01/10/2005	--	--	--	--	--	--	--	--
MW14-125	125	01/10/2005	--	--	--	--	--	--	--	--
MW14-130	130	01/10/2005	--	--	--	--	--	--	--	--
MW14-135	135	01/10/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW14-140	140	01/10/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010

**TABLE 3**  
**SUMMARY OF SOIL BORING SAMPLE CHEMICAL ANALYSES RESULTS - ADDITIONAL VOCs**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

soil - milligrams per kilogram (mg/kg)

SAMPLE NUMBER	DEPTH (feet BGS)	DATE SAMPLED								1,2,4-	1,3,5
			Acetone	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	Naphthalene	n-Propylbenzene	Trimethylbenzene	Trimethylbenzene	
MW15-5	5	01/07/2005	--	--	--	--	--	--	--	--	--
MW15-10	10	01/07/2005	--	--	--	--	--	--	--	--	--
MW15-15	15	01/07/2005	--	--	--	--	--	--	--	--	--
MW15-20	20	01/07/2005	--	--	--	--	--	--	--	--	--
MW15-25	25	01/07/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW15-30	30	01/07/2005	--	--	--	--	--	--	--	--	--
MW15-35	35	01/07/2005	--	--	--	--	--	--	--	--	--
MW15-40	40	01/07/2005	--	--	--	--	--	--	--	--	--
MW15-45	45	01/07/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW15-50	50	01/07/2005	--	--	--	--	--	--	--	--	--
MW15-55	55	01/07/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW15-60	60	01/07/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW15-65	65	01/07/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW15-70	70	01/07/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW15-71.5	71.5	01/07/2005	ND<5.0	ND<1.0	3.82	5.28	4.96	27.4	102	41.4	
MW15-75	75	01/07/2005	ND<0.250	1.08	0.299	0.239	0.071	1.06	ND<0.050	1.63	
MW15-80	80	01/07/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	
MW15-84	84	01/07/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	

**TABLE 3**  
**SUMMARY OF SOIL BORING SAMPLE CHEMICAL ANALYSES RESULTS - ADDITIONAL VOCs**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

soil - milligrams per kilogram (mg/kg)

SAMPLE NUMBER	DEPTH (feet BGS)	DATE SAMPLED								1,2,4-	1,3,5
			Acetone	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	Naphthalene	n-Propylbenzene	Trimethylbenzene	Trimethylbenzene	
MW16-10	10	01/11/2005	--	--	--	--	--	--	--	--	--
MW16-20	20	01/11/2005	--	--	--	--	--	--	--	--	--
MW16-30	30	01/11/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW16-40	40	01/11/2005	--	--	--	--	--	--	--	--	--
MW16-50	50	01/11/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW16-60	60	01/11/2005	--	--	--	--	--	--	--	--	--
MW16-70	70	01/11/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW16-73	73	01/11/2005	--	--	--	--	--	--	--	--	--
MW16-79	79	01/11/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW16-84	84	01/11/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW16-89	89	01/11/2005	--	--	--	--	--	--	--	--	--
MW16-91.5	91.5	01/11/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW16-120	120	01/11/2005	--	--	--	--	--	--	--	--	--
MW16-125	125	01/11/2005	--	--	--	--	--	--	--	--	--
MW16-130	130	01/11/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW16-135	135	01/11/2005	ND<0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
MW16-140	140	01/11/2005	--	--	--	--	--	--	--	--	--
<b><u>FREY Environmental, Inc.</u></b>											
MW17-2.5	2.5	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
MW17-5	5	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
MW17-10	10	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
MW17-15	15	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
MW17-20	20	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
MW17-25	25	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
MW17-30	30	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
MW17-35	35	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
MW17-40	40	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
MW17-45	45	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
MW17-50	50	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
MW17-55	55	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
MW17-60	60	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
MW17-65	65	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
MW17-70	70	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
MW17-75	75	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
MW17-80	80	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
MW17-85	85	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050

**TABLE 3**  
**SUMMARY OF SOIL BORING SAMPLE CHEMICAL ANALYSES RESULTS - ADDITIONAL VOCs**  
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**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

soil - milligrams per kilogram (mg/kg)

SAMPLE NUMBER	DEPTH (feet BGS)	DATE SAMPLED								1,2,4-	1,3,5
			Acetone	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	Naphthalene	n-Propylbenzene	Trimethylbenzene	Trimethylbenzene	
MW18-2.5	2.5	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW18-5	5	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW18-10	10	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW18-15	15	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW18-20	20	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW18-25	25	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW18-30	30	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW18-35	35	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW18-40	40	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW18-45	45	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW18-50	50	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW18-55	55	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW18-60	60	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW18-65	65	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW18-70	70	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	0.0086	ND<0.0050	
MW18-75	75	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW18-80	80	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW18-85	85	07/10/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW19-2.5	2.5	07/11/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW19-5	5	07/11/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW19-10	10	07/11/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW19-15	15	07/11/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW19-20	20	07/11/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW19-25	25	07/11/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW19-30	30	07/11/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW19-35	35	07/11/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW19-40	40	07/11/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW19-45	45	07/11/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW19-50	50	07/11/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW19-55	55	07/11/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW19-60	60	07/11/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW19-65	65	07/11/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW19-70	70	07/11/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW19-75	75	07/11/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW19-80	80	07/11/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW19-85	85	07/11/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	

**TABLE 3**  
**SUMMARY OF SOIL BORING SAMPLE CHEMICAL ANALYSES RESULTS - ADDITIONAL VOCs**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

soil - milligrams per kilogram (mg/kg)

SAMPLE NUMBER	DEPTH (feet BGS)	DATE SAMPLED								1,2,4-	1,3,5
			Acetone	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	Naphthalene	n-Propylbenzene	Trimethylbenzene	Trimethylbenzene	
MW20-2.5	2.5	07/08/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW20-5	5	07/08/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW20-10	10	07/08/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW20-15	15	07/08/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW20-20	20	07/08/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW20-25	25	07/08/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW20-30	30	07/08/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW20-35	35	07/08/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW20-40	40	07/08/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW20-45	45	07/08/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW20-50	50	07/08/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW20-55	55	07/08/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW20-60	60	07/08/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW20-65	65	07/08/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW20-70	70	07/08/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW20-75	75	07/08/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW20-80	80	07/08/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW20-85	85	07/08/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW21-2.5	2.5	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW21-5	5	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW21-10	10	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW21-15	15	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW21-20	20	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW21-25	25	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW21-30	30	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW21-35	35	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW21-40	40	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW21-45	45	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW21-50	50	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW21-55	55	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW21-60	60	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW21-65	65	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW21-70	70	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW21-75	75	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW21-80	80	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW21-85	85	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	

**TABLE 3**  
**SUMMARY OF SOIL BORING SAMPLE CHEMICAL ANALYSES RESULTS - ADDITIONAL VOCs**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

soil - milligrams per kilogram (mg/kg)

SAMPLE NUMBER	DEPTH (feet BGS)	DATE SAMPLED								1,2,4-	1,3,5
			Acetone	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	Naphthalene	n-Propylbenzene	Trimethylbenzene	Trimethylbenzene	
MW22-2.5	2.5	08/05/2014									
MW22-5	5	08/05/2014	ND<0.130	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051
MW22-10	10	08/05/2014	ND<0.130	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051
MW22-15	15	08/05/2014	ND<0.130	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051
MW22-20	20	08/05/2014	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
MW22-25	25	08/05/2014	ND<0.120	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049
MW22-30	30	08/05/2014	ND<0.130	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051
MW22-35	35	08/05/2014	ND<0.130	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051
MW22-40	40	08/05/2014	ND<0.120	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049
MW22-45	45	08/05/2014	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
MW22-50	50	08/05/2014	ND<0.130	ND<0.0052	ND<0.0052	ND<0.0052	ND<0.052	ND<0.0052	ND<0.0052	ND<0.0052	ND<0.0052
MW22-55	55	08/05/2014	ND<0.130	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051
MW22-60	60	08/05/2014	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
MW22-65	65	08/05/2014	ND<0.120	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049
MW22-70	70	08/05/2014	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
MW22-75	75	08/05/2014	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
MW23-2.5	2.5	08/04/2014									
MW23-5	5	08/04/2014	ND<0.130	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051
MW23-10	10	08/04/2014	ND<0.130	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051
MW23-15	15	08/04/2014	ND<0.130	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051
MW23-20	20	08/04/2014	ND<0.130	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051
MW23-25	25	08/04/2014	ND<0.120	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049
MW23-30	30	08/04/2014	ND<0.130	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051
MW23-35	35	08/04/2014	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
MW23-40	40	08/04/2014	ND<0.130	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053
MW23-45	45	08/04/2014	ND<0.120	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049
MW23-50	50	08/04/2014	ND<0.120	ND<0.0048	ND<0.0048	ND<0.0048	ND<0.048	ND<0.0048	ND<0.0048	ND<0.0048	ND<0.0048
MW23-55	55	08/04/2014	ND<0.120	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049
MW23-60	60	08/04/2014	ND<0.130	ND<0.0052	ND<0.0052	ND<0.0052	ND<0.052	ND<0.0052	ND<0.0052	ND<0.0052	ND<0.0052
MW23-65	65	08/04/2014	ND<0.120	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049
MW23-70	70	08/04/2014	ND<0.130	0.026	ND<0.0051	ND<0.0051	0.058	0.0076	0.022	0.020	0.020
MW23-75	75	08/04/2014	ND<0.130	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.0051

**TABLE 3**  
**SUMMARY OF SOIL BORING SAMPLE CHEMICAL ANALYSES RESULTS - ADDITIONAL VOCs**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

soil - milligrams per kilogram (mg/kg)

SAMPLE NUMBER	DEPTH (feet BGS)	DATE SAMPLED								1,2,4-	1,3,5
			Acetone	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	Naphthalene	n-Propylbenzene	Trimethylbenzene	Trimethylbenzene	
MW24-2.5	2.5	08/06/2014									
MW24-5	5	08/06/2014	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW24-10	10	08/06/2014	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
MW24-15	15	08/06/2014	ND<0.120	ND<0.0048	ND<0.0048	ND<0.0048	ND<0.048	ND<0.0048	ND<0.0048	ND<0.0048	
MW24-20	20	08/06/2014	ND<0.130	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.0051	ND<0.0051	ND<0.0051	
MW24-25	25	08/06/2014	ND<0.120	ND<0.0048	ND<0.0048	ND<0.0048	ND<0.048	ND<0.0048	ND<0.0048	ND<0.0048	
MW24-30	30	08/06/2014	ND<0.120	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.049	ND<0.0049	ND<0.0049	ND<0.0049	
MW24-35	35	08/06/2014	ND<0.130	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.0051	ND<0.0051	ND<0.0051	
MW24-40	40	08/06/2014	ND<0.130	ND<0.0052	ND<0.0052	ND<0.0052	ND<0.052	ND<0.0052	ND<0.0052	ND<0.0052	
MW24-45	45	08/06/2014	ND<0.130	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.0051	ND<0.0051	ND<0.0051	
MW24-50	50	08/06/2014	ND<0.120	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.049	ND<0.0049	ND<0.0049	ND<0.0049	
MW24-55	55	08/06/2014	ND<0.120	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.049	ND<0.0049	ND<0.0049	ND<0.0049	
MW24-60	60	08/06/2014	ND<0.120	ND<0.0048	ND<0.0048	ND<0.0048	ND<0.048	ND<0.0048	ND<0.0048	ND<0.0048	
MW24-65	65	08/06/2014	ND<0.130	ND<0.0051	ND<0.0051	ND<0.0051	ND<0.051	ND<0.0051	ND<0.0051	ND<0.0051	
MW24-70	70	08/06/2014	ND<0.130	ND<0.0052	ND<0.0052	ND<0.0052	ND<0.052	ND<0.0052	ND<0.0052	ND<0.0052	
MW24-75	75	08/06/2014	ND<0.120	ND<0.0048	ND<0.0048	ND<0.0048	ND<0.048	ND<0.0048	ND<0.0048	ND<0.0048	
FB1-2.5	2.5	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
FB1-5	5	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
FB1-10	10	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
FB1-15	15	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
FB1-20	20	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
FB1-25	25	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
FB1-30	30	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
FB1-35	35	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
FB1-40	40	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
FB1-45	45	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
FB1-50	50	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
FB1-55	55	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
FB1-60	60	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
FB1-65	65	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
FB1-70	70	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
FB1-75	75	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
FB1-80	80	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	
FB1-85	85	07/09/2013	ND<0.120	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	

**TABLE 3**  
**SUMMARY OF SOIL BORING SAMPLE CHEMICAL ANALYSES RESULTS - ADDITIONAL VOCs**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

soil - milligrams per kilogram (mg/kg)

SAMPLE NUMBER	DEPTH (feet BGS)	DATE SAMPLED								1,2,4-	1,3,5
			Acetone	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	Naphthalene	n-Propylbenzene	Trimethylbenzene	Trimethylbenzene	
VE1-2.5	2.5	09/02/2015	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
VE1-5	5	09/02/2015	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
VE1-10	10	09/02/2015	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
VE1-15	15	09/02/2015	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
VE1-20	20	09/02/2015	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
VE1-25	25	09/02/2015	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
VE1-30	30	09/02/2015	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
VE1-35	35	09/02/2015	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
VE1-40	40	09/02/2015	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
VE1-45	45	09/02/2015	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
VE1-50	50	09/02/2015	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
VE1-55	55	09/02/2015	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
VE1-60	60	09/02/2015	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
VE1-65	65	09/02/2015	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050

**Notes:**

- [1] Analyzed for Total Petroleum Hydrocarons as gasoline (TPH-G) deisel (TPH-D) or oil (TPG-O) by EPA Method No. 8015M.
- [2] Analyzed by EPA Method No. 8260B.
- [3] Analyzed by DHS Organic Lead Method.

**TABLE 4**  
**SUMMARY OF HISTORICAL GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	Free Product Thickness (feet)	TPHg/TPPH [3] (ug/l)	TPHd [3] (ug/l)	TPHwo [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethylbenzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)				
MW1	201.02	70-90	6/26/1997	84.55	116.47	0.00	35,400	13,000	--	5,460	--	--	--	--	--	--	--	--	--			
			07/14/1998	82.57	118.45	0.00	17,000	--	--	2,400	2,400	1,300	2,000	ND<1,000	--	--	--	--	--	--		
			03/07/2001	88.83	112.19	0.00	1,840	--	--	260	68	134	234	ND<40	--	--	--	--	--	--		
			08/23/2001	90.00	111.02	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
			12/19/2001	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
			03/27/2002	90.01	111.01	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
			06/28/2002	90.06	110.96	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			03/31/2003	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			06/24/2003	89.11	111.91	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			09/03/2003	87.34	113.68	0.00	3,800	ND<500	--	290	17	34	42	ND<1	ND<5	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	
			12/22/2003	85.08	115.94	0.00	1,000	ND<500	--	550	140	230	410	ND<100	ND<500	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	
			03/15/2004	85.33	115.69	0.00	2,100	820	--	530	88	250	680	ND<10	ND<50	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	
			07/13/2004	86.25	114.77	0.00	ND<500	ND<500	--	38	ND<5.0	17	ND<10	ND<10	ND<50	ND<10	ND<50	ND<10	ND<10	ND<10	ND<10	
			10/20/2004	88.65	112.37	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			01/10/2005	89.75	111.27	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			07/06/2005	87.85	113.17	0.00	9,890	700	--	474	23	204	701	ND<10	ND<50	ND<10	ND<50	ND<10	ND<10	ND<10	ND<10	
			09/20/2005	85.71	115.31	0.00	5,600	1,100	--	560	46	320	1,090	ND<10	ND<50	ND<10	ND<50	ND<10	ND<10	ND<10	ND<10	
			12/21/2005	86.06	114.96	0.00	2,100	820	--	240	7.6	130	300	ND<10	ND<50	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	
			03/01/2005	85.68	115.34	0.00	3,500	ND<500	--	390	13.0	190	410	ND<1	ND<5	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	
	09/07/2005	86.28	114.74	0.00	1,700	ND<500	--	310	ND<5	200	162	ND<10	ND<50	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10			
	03/14/2007	72.77	128.25	0.00	ND<500	ND<500	--	3.0	ND<0.5	4.3	1.8	ND<1	ND<5	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1			
	08/08/2007	78.92	122.10	0.00	550	ND<500	--	ND<0.5	ND<1.0	ND<1.0	3.3	ND<10	ND<10	ND<2	ND<10	ND<2	ND<2	ND<2	ND<2			
	12/18/2007	84.65	116.37	0.00	ND<500	ND<500	--	140	22	1.8	139	ND<2	ND<10	ND<2	ND<10	ND<2	ND<2	ND<2	ND<2			
	12/07/2012	75.35	125.67	0.00	ND<100	ND<500	--	ND<0.50	ND<1.0	ND<1.0	1.7	ND<1.0	ND<10	ND<10	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0			
	05/08/2013	72.81	128.21	0.00	ND<50	ND<100	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0			
	08/19/2013	76.27	124.68	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	11/19/2013	75.16	125.79	0.00	ND<100	ND<500	--	0.60	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0			
	03/12/2014	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	09/16/2014	74.45	126.50	0.00	ND<100	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0			
	12/19/2014	74.10	126.85	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	03/27/2015	69.11	131.84	0.00	250	--	--	ND<0.50	ND<0.50	3.6	8.2	ND<0.50	ND<10	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0			
	06/30/2015	68.45	132.50	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	09/29/2015	68.53	132.42	0.00	ND<100	ND<470	--	ND<0.50	ND<1.0	ND<1.0	1.3	ND<1.0	ND<10	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0			
06/10/2016	73.86	127.09	0.00	ND<100	ND<450	--	ND<0.50	ND<1.0	5.0	5.5	ND<1.0	ND<10	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0				
11/01/2017	84.76	116.19	0.00	940	ND<450	--	4.3	ND<1.0	5.4	8.0	ND<1.0	ND<10	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0				
04/04/2018	75.80	125.15	0.00	130	ND<100	--	2.4	ND<1.0	22	23	ND<1.0	ND<10	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0				

**TABLE 4**  
**SUMMARY OF HISTORICAL GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	Free Product Thickness (feet)	TPHg/TPPH [3] (ug/l)	TPHd [3] (ug/l)	TPHwo [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethylbenzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)		
MW2	200.75	70-90	6/1997	79.42	121.33	0.00	24,000	93,000	--	6,200	--	--	--	--	--	--	--	--		
			07/14/1998	79.87	120.88	0.00	32,000	--	--	8,900	2,500	1,500	4,700	ND<1,000	--	--	--	--	--	
			03/07/2001	89.19	111.56	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			08/23/2001	89.10	111.65	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/19/2001	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			03/27/2002	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			06/28/2002	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			03/31/2003	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			06/24/2003	89.18	111.57	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			09/03/2003	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/22/2003	81.53	119.22	0.00	11,000	9,900	--	3,900	350	800	2,750	ND<100	ND<500	ND<100	110	ND<100	ND<100	
			03/15/2004	81.27	119.48	0.00	4,600	3,800	--	880	40	360	454	ND<1	ND<5	ND<1	ND<1	ND<1	ND<1	
			07/13/2004	84.43	116.32	0.00	25,000	18,000	--	470	280	700	2,420	ND<10	ND<50	ND<10	ND<10	ND<10	ND<10	
			10/20/2004	86.22	114.53	0.00	64,000	8,900	--	340	430	1,100	6,200	ND<100	ND<500	ND<100	ND<100	ND<100	ND<100	
			01/10/2005	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			07/06/2005	85.65	115.10	0.00	115,000	1,400	--	4,850	365	2,270	15,580	ND<200	ND<1,000	ND<200	ND<200	ND<200	ND<200	
			09/20/2005	84.52	116.23	0.00	58,000	2,800	--	4,500	360	830	4,200	ND<10	ND<50	ND<10	ND<10	ND<10	ND<10	
	12/21/2005	84.55	116.20	0.00	17,000	5,200	--	1,800	56	700	3,910	ND<100	ND<500	ND<100	ND<100	ND<100	ND<100			
	03/01/2005	84.20	116.55	0.00	8,100	ND<500	--	6,900	ND<50	150	380	ND<100	ND<500	ND<100	ND<100	ND<100	ND<100			
	09/07/2005	83.55	117.20	0.00	15,000	7,600	--	2,600	18	1,200	6,300	ND<10	ND<50	ND<10	ND<10	ND<10	ND<10			
	03/14/2007	77.06	123.69	0.00	55,000	1,200	--	3,100	67	2,300	6,400	ND<100	ND<500	ND<100	ND<100	ND<100	ND<100			
	08/08/2007	77.92	122.83	0.00	30,000	6,100	--	2,800	130	2,100	3,200	ND<100	ND<500	ND<100	ND<100	ND<100	ND<100			
	12/18/2007	80.44	120.31	0.00	88,000	3,400	--	6,600	ND<250	4,500	19,000	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500			
	12/07/2012	88.24	112.51	0.00	28,000	14,000	--	120	ND<5.0	590	75	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<10			
	05/08/2013	79.25	121.50	0.00	23,000	9,800	--	810	2.0	770	850	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0			
	08/19/2013	81.42	119.24	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	11/19/2013	83.72	116.94	0.00	390,000	250,000	--	420	28	2,700	6,990	ND<25	ND<250	ND<50	ND<50	ND<50	ND<50			
	03/12/2014	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	09/17/2014	83.03	117.63	0.00	6,800	79,000	--	1,200	14	2,600	5,600	ND<5.0	ND<100	ND<20	ND<20	ND<20	ND<20			
	12/19/2014	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	03/27/2015	80.40	120.26	0.00	14,000	--	--	200	14	510	1,300	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0			
	06/30/2015	88.95	111.71	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	09/29/2015	78.15	122.51	0.00	28,000	89,000	--	480	ND<25	2,900	5,710	ND<25	ND<250	ND<50	ND<50	ND<50	ND<50			
06/10/2016	79.56	121.10	0.00	37,000	72,000	--	780	ND<50	3,200	14,700	ND<50	ND<500	ND<100	ND<100	ND<100	ND<100				
10/31/2017	85.76	114.90	0.00	140,000	190,000	--	700	ND<25	4,100	14,790	ND<25	ND<250	ND<50	ND<50	ND<50	ND<50				
04/04/2018	82.85	117.81	0.00	1,600	1,800	ND<100	98	ND<1.0	450	110	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0				

**TABLE 4**  
**SUMMARY OF HISTORICAL GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	Free Product Thickness (feet)	TPHg/TPPH [3] (ug/l)	TPHd [3] (ug/l)	TPHwo [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethylbenzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)		
MW3	200.59	70-90	6/1997	85.65	114.94	0.00	173,000	18,700	--	9,190	--	--	--	--	--	--	--	--		
			07/14/1998	88.00	112.59	0.00	82,000	--	--	20,000	18,000	3,400	9,500	1,300	--	--	--	--	--	
			03/07/2001	86.93	113.66	0.00	101,000	--	--	30,300	5,940	7,470	18,950	ND<200	ND<1,000	ND<200	ND<200	ND<200	ND<200	
			08/23/2001	89.30	111.29	0.00	48,600	--	--	15,900	2,730	3,510	9,710	ND<200	ND<1,000	ND<200	ND<200	ND<200	ND<200	
			12/19/2001	89.46	111.13	0.00	38,000	2,700	--	14,000	2,100	3,200	6,600	240	ND<500	ND<100	ND<100	ND<100	ND<100	
			03/27/2002	88.38	112.21	0.00	3,100	ND<500	--	8,900	2,500	2,400	4,300	ND<100	ND<500	ND<100	ND<100	ND<100	ND<100	
			06/28/2002	89.32	111.27	0.00	25,000	ND<500	--	11,000	2,600	2,500	3,500	ND<100	ND<500	ND<100	ND<100	ND<100	ND<100	
			03/31/2003	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			06/24/2003	79.92	120.67	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			09/03/2003	78.46	122.13	0.00	150,000	ND<500	--	7,100	39,000	2,800	13,400	ND<100	ND<500	ND<100	ND<100	ND<100	ND<100	
			12/22/2003	78.22	122.37	0.00	100,000	ND<500	--	13,000	34,000	3,400	13,900	ND<2,000	ND<10,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	
			03/15/2004	78.64	121.95	0.00	58,000	10,000	--	12,000	18,000	3,800	8,000	ND<100	ND<500	ND<100	310	ND<100	ND<100	
			07/13/2004	81.62	118.97	0.00	63,000	5,500	--	11,000	12,000	3,100	5,500	ND<1,000	ND<5,000	ND<1,000	ND<1,000	ND<1,000	ND<1,000	
			10/20/2004	87.74	112.85	0.00	18,000	11,000	--	14,000	880	3,900	2,000	ND<1,000	ND<5,000	ND<1,000	ND<1,000	ND<1,000	ND<1,000	
			01/10/2005	89.32	111.27	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			07/06/2005	88.43	112.16	0.00	47,000	1,800	--	9,000	200	2,700	680	ND<100	ND<500	ND<100	ND<100	ND<100	ND<100	
			09/20/2005	87.42	113.17	0.00	15,400	600	--	3,640	ND<50	1,130	64	ND<100	ND<500	ND<100	ND<100	ND<100	ND<100	
			12/21/2005	88.62	111.97	0.00	5,600	720	--	4,500	15	920	75	ND<10	ND<50	ND<10	ND<10	ND<10	ND<10	
			03/01/2005	88.80	111.79	0.00	7,400	2,100	--	3,300	ND<50	1,200	ND<150	ND<100	ND<500	ND<100	ND<100	ND<100	ND<100	
			09/07/2005	89.48	111.11	0.00	5,200	ND<500	--	3,200	8.0	1,000	2.4	ND<1	ND<5	ND<1	ND<1	ND<1	ND<1	
	03/14/2007	85.75	114.84	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	08/08/2007	83.86	116.73	0.00	5,200	ND<500	--	4,500	21	1,100	937	ND<20	ND<100	ND<20	ND<20	ND<20	ND<20			
	12/18/2007	89.29	111.30	0.00	11,000	980	--	6,700	660	1,300	600	ND<50	ND<500	ND<100	ND<100	ND<100	ND<100			
	12/06/2012	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	05/08/2013	86.35	114.24	0.00	220	ND<100	--	1.0	ND<0.50	8.4	30	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0			
	08/19/2013	87.61	112.91	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	11/18/2013**	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	03/12/2014	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	09/17/2014	88.56	111.96	0.00	ND<100	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0		
	12/19/2014	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	03/27/2015	86.94	113.58	0.00	200	--	--	ND<0.50	ND<0.50	4.2	19	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0			
	06/30/2015	85.02	115.50	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--			
	09/29/2015	84.95	115.57	0.00	ND<100	ND<470	--	ND<0.50	ND<1.0	1.7	5.1	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0			
06/10/2016	85.56	114.96	0.00	ND<100	ND<450	--	ND<0.50	ND<1.0	4.4	12.6	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0				
11/01/2017	89.30	111.22	0.00	64	--	--	4.6	ND<1.0	ND<1.0	1.4	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0				
04/04/2018	86.05	114.47	0.00	78	ND<100	ND<100	4.1	ND<1.0	14	6.8	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0				

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**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	Free Product Thickness (feet)	TPHg/TPPH [3] (ug/l)	TPHd [3] (ug/l)	TPHwo [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethylbenzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)		
MW4 (pre-purge) (post-purge)	200.17	70-90	07/14/1998	76.52	123.65	0.00	77,000	--	--	4,300	18,000	3,400	9,500	ND<1,000	--	--	--	--		
			03/07/2001	77.10	123.07	0.00	26,800	--	--	2,210	2,240	3,630	4,210	ND<200	ND<1,000	ND<200	ND<200	ND<200		
			03/07/2001	77.10	123.07	0.00	17,000	--	--	1,510	614	2,710	1,726	ND<20	ND<100	ND<20	ND<20	ND<20		
			08/23/2001	74.25	125.92	0.00	40,000	6.200	--	2,600	5,400	5,200	9,100	ND<10	ND<50	ND<10	ND<10	ND<10		
			12/19/2001	77.66	122.51	0.00	6,000	ND<500	--	1,600	4,400	3,800	11,900	ND<100	ND<500	ND<100	ND<100	ND<100		
			03/27/2002	77.24	122.93	0.00	44,000	ND<500	--	1,600	4,800	3,000	94,000	ND<100	ND<500	ND<100	ND<100	ND<100		
			06/28/2002	77.92	122.92	0.39	66,000	ND<500	--	1,100	2,100	3,200	6,300	ND<100	ND<500	ND<100	ND<100	ND<100		
			03/31/2003	78.75	122.87	1.45	90,000	ND<500	--	1,100	3,900	4,800	22,800	ND<100	ND<500	ND<100	ND<100	ND<100		
			06/24/2003	76.22	124.07	0.12	72,000	ND<500	--	1,300	3,400	3,500	18,100	ND<100	ND<500	ND<100	ND<100	ND<100		
			09/03/2003	73.01	127.16	0.00	120,000	ND<500	--	2,200	7,000	5,800	29,000	ND<2,000	ND<10,000	ND<2,000	ND<2,000	ND<2,000		
			12/22/2003	73.55	126.62	0.00	74,000	21,000	--	1,500	1,900	4,500	14,800	ND<100	ND<500	ND<100	ND<100	ND<100		
			03/15/2004	73.92	126.27	0.01	74,000	36,000	--	1,400	3,100	4,100	14,300	ND<1,000	ND<5,000	ND<1,000	ND<1,000	ND<1,000		
			07/13/2004	74.92	125.28	0.03	80,000	22,000	--	2,100	3,800	5,800	17,700	ND<1,000	ND<5,000	ND<1,000	ND<1,000	ND<1,000		
			10/20/2004	75.95	124.22	0.00	130,000	5,800	--	1,700	2,600	6,000	17,000	ND<1,000	ND<5,000	ND<1,000	ND<1,000	ND<1,000		
			01/10/2005	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			07/06/2005	74.40	125.77	0.00	77,000	6,600	--	818	736	3,730	9,710	ND<100	ND<500	ND<100	ND<100	ND<100		
			09/20/2005	74.68	125.49	0.00	52,000	3,600	--	660	530	4,000	7,000	ND<100	ND<500	ND<100	ND<100	ND<100		
			12/21/2005	74.85	125.32	0.00	25,000	7,800	--	600	460	4,100	7,500	ND<100	ND<500	ND<100	ND<100	ND<100		
			03/01/2005	74.35	125.82	0.00	65,000	4,500	--	660	630	4,500	7,900	ND<100	ND<500	ND<100	ND<100	ND<100		
			09/07/2005	75.14	125.03	0.00	21,000	4,100	--	530	390	4,800	6,900	ND<100	ND<500	ND<100	ND<100	ND<100		
			03/14/2007	71.70	128.47	0.00	32,000	630	--	490	230	3,800	4,300	ND<200	ND<200	ND<200	ND<200	ND<200		
			08/08/2007	73.07	127.10	0.00	13,000	4,200	--	510	66	4,000	1,670	ND<50	ND<500	ND<100	ND<100	ND<100		
			12/18/2007	75.25	124.92	0.00	23,000	ND<500	--	550	300	4,400	3,800	ND<500	ND<500	ND<500	ND<500	ND<500		
			12/07/2012	73.75	126.42	0.00	32,000	31,000	--	22	48	3,700	11,100	ND<5.0	ND<50	ND<10	ND<10	ND<10		
			05/08/2013	71.70	128.47	0.00	1,800	610	--	8.9	16	140	330	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0		
			08/19/2013	73.06	127.02	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	
			11/19/2013	73.38	126.70	0.00	6,800	8,000	--	ND<5.0	ND<10	580	600	ND<10	ND<100	ND<20	ND<20	ND<20		
			03/12/2014	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
			09/17/2014	72.90	127.18	0.00	1,600	8,400	--	5.5	6.0	470	1,100	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0		
			12/19/2014	74.02	126.06	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	
			03/27/2015	72.99	127.09	0.00	2,300	--	--	3.8	2.7	110	280	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0		
			06/30/2015	72.22	127.86	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	
			09/29/2015	71.94	128.14	0.00	5,400	7,400	--	ND<10	ND<20	1,500	4,510	ND<20	ND<200	ND<40	ND<40	ND<40		
			06/10/2016	71.92	128.16	0.00	12,000	10,000	--	ND<5.0	ND<10	1,900	4,860	ND<10	ND<100	ND<20	ND<20	ND<20		
			11/01/2017	75.11	124.97	0.00	22,000	14,000	--	ND<10	ND<20	2,200	3,530	ND<20	ND<200	ND<40	ND<40	ND<40		
			04/04/2018	72.45	127.63	0.00	1,400	810	ND<100	2.3	ND<1.0	160	150	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0		

**TABLE 4**  
**SUMMARY OF HISTORICAL GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	Free Product Thickness (feet)	TPHg/TPPH [3] (ug/l)	TPHd [3] (ug/l)	TPHwo [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethylbenzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)			
MW5 (pre-purge) (post-purge)	200.56	75-95	07/14/1998	94.76	105.80	0.00	ND<50	--	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--			
			03/07/2001	92.65	107.91	0.00	481,000	--	--	1,920	14,300	10,800	50,300	ND<200	ND<1,000	ND<200	ND<200	ND<200	ND<200		
			03/07/2001	92.65	107.91	0.00	155,000	--	--	1,000	5,860	2,500	11,600	ND<200	ND<1,000	ND<200	ND<200	ND<200	ND<200	ND<200	
			08/23/2001	94.70	105.86	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
			12/19/2001	107.40	107.00	0.00	21,000	ND<500	--	70	910	1,300	7,400	ND<10	ND<50	ND<10	ND<10	ND<10	ND<10	ND<10	
			03/27/2002	93.50	107.06	0.04	100,000	ND<500	--	1,000	5,500	2,400	10,100	ND<100	ND<500	ND<100	ND<100	ND<100	ND<100	ND<100	
			06/28/2002	94.39	106.17	0.00	150,000	ND<500	--	780	4,000	3,300	15,600	ND<100	ND<500	ND<100	ND<100	ND<100	ND<100	ND<100	
			03/31/2003	92.20	108.36	0.00	64,000	ND<500	--	600	3,500	2,400	14,800	ND<100	ND<500	ND<100	ND<100	ND<100	ND<100	ND<100	
			06/24/2003	80.92	119.64	0.01	240,000	ND<500	--	1,500	9,800	34,000	120,000	ND<1,000	ND<5,000	ND<1,000	ND<1,000	ND<1,000	ND<1,000	ND<1,000	
			09/03/2003	93.23	107.33	0.23	270,000	ND<500	--	1,100	7,200	6,900	28,000	ND<2,000	ND<10,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	
			12/22/2003	93.76	106.80	0.33	1,700,000	880,000	--	910	1,700	5,900	15,100	ND<100	ND<500	ND<100	ND<100	ND<100	ND<100	ND<100	
			03/15/2004	93.89	106.67	0.02	230,000	170,000	--	830	770	8,000	15,100	ND<1,000	ND<5,000	ND<1,000	ND<1,000	ND<1,000	ND<1,000	ND<1,000	
			07/13/2004	94.72	105.84	0.02	100,000	190,000	--	740	ND<500	1,900	1,720	ND<1,000	ND<5,000	ND<1,000	ND<1,000	ND<1,000	ND<1,000	ND<1,000	
			10/20/2004	93.41	107.15	0.00	150,000	55,000	--	58	ND<50	880	790	ND<100	ND<500	ND<100	ND<500	ND<100	ND<100	ND<100	
			01/10/2005	93.39	107.17	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			07/06/2005	92.60	107.96	0.00	60,100	50,900	--	636	66	1,730	693	ND<100	ND<500	ND<100	ND<500	ND<100	ND<100	ND<100	
			09/20/2005	94.06	106.50	0.00	60,000	21,000	--	700	48	1,900	290	ND<10	ND<50	ND<10	ND<50	ND<10	ND<10	ND<10	
			12/21/2005	93.80	106.76	0.00	60,000	53,000	--	840	75	3,300	240	ND<100	ND<500	ND<100	ND<100	ND<100	ND<100	ND<100	
			03/01/2005	93.75	106.81	0.00	150,000	64,000	--	940	64	2,900	230	ND<20	ND<100	ND<20	ND<100	ND<20	ND<20	ND<20	
			09/07/2005	93.73	106.83	0.00	47,000	68,000	--	22	ND<10	990	69	ND<20	ND<100	ND<20	ND<100	ND<20	ND<20	ND<20	
			03/14/2007	93.10	107.46	0.00	20,000	6,700	--	1,000	210	3,000	1,390	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	
			08/08/2007	92.78	107.78	0.00	18,000	11,000	--	600	ND<25	2,400	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	
			12/18/2007	94.25	106.31	0.00	4,800	1,500	--	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<50	ND<10	ND<10	ND<10	
			12/06/2012	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/07/2013	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	08/19/2013	94.80	105.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	11/18/2013	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	03/12/2014	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	09/16/2014	94.90	105.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	12/19/2014	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	03/26/2015	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	06/30/2015	94.85	105.61	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	09/28/2015	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	06/09/2016	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	10/31/2017	94.15	106.31	0.00	120	ND<450	--	ND<0.50	ND<1.0	1.1	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0		
	04/04/2018	93.55	106.91	0.00	230	ND<100	ND<100	3.4	ND<1.0	5.9	3.9	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0		
MW6							Soil Boring Only - Groundwater Monitoring Well MW6 was not installed.														

**TABLE 4**  
**SUMMARY OF HISTORICAL GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	Free Product Thickness (feet)	TPHg/TPPH [3] (ug/l)	TPHd [3] (ug/l)	TPHwo [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethylbenzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)			
MW7 (pre-purge) (post-purge)	200.73	75-95	07/14/1998	93.26	107.47	0.00	ND<50	--	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--			
			03/07/2001	93.45	107.28	0.00	ND<50	--	--	ND<1	ND<1	ND<1	ND<3	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0			
			03/07/2001	93.45	107.28	0.00	ND<50	--	--	ND<1	ND<1	ND<1	ND<3	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0		
			08/23/2001	93.50	107.23	0.00	ND<500	ND<500	--	ND<500	ND<500	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	
			12/19/2001	93.57	107.16	0.00	ND<500	ND<500	--	ND<500	ND<500	ND<0.5	ND<0.5	1	5	ND<1	ND<5	ND<1	ND<1	ND<1	
			03/27/2002	93.62	107.11	0.00	ND<500	ND<500	--	ND<500	ND<500	ND<0.5	85	ND<50	ND<150	ND<1	ND<5	ND<1	ND<1	ND<1	
			06/28/2002	93.53	107.20	0.00	ND<500	ND<500	--	ND<500	ND<500	ND<0.50	ND<0.50	ND<0.50	ND<1.50	ND<1	ND<5	ND<1	ND<1	ND<1	
			03/31/2003	93.92	106.81	0.00	ND<500	ND<500	--	ND<500	ND<500	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<1	ND<5	ND<1	ND<1	ND<1	
			06/24/2003	93.63	107.10	0.00	ND<500	ND<500	--	ND<500	ND<500	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<1	ND<5	ND<1	ND<1	ND<1	
			09/03/2003	93.73	107.00	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/22/2003	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			03/15/2004	93.50	107.23	0.00	ND<500	ND<500	--	ND<500	ND<500	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<5	ND<1	ND<1	ND<1	
			07/13/2004	93.55	107.18	0.00	ND<500	ND<500	--	ND<500	ND<500	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<5	ND<1	ND<1	ND<1	
			10/20/2004	94.11	106.62	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			01/10/2005	95.10	105.63	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			07/06/2005	93.41	107.32	0.00	ND<50	ND<500	--	ND<50	ND<500	--	ND<1	ND<1	ND<1	ND<3	ND<2	ND<10	ND<2	ND<2	ND<2
			09/20/2005	93.80	106.93	0.00	ND<500	ND<500	--	ND<500	ND<500	--	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<1	ND<5	ND<1	ND<1	ND<1
			12/21/2005	93.81	106.92	0.00	ND<500	ND<500	--	ND<500	ND<500	--	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<1	ND<5	ND<1	ND<1	ND<1
			03/01/2005	93.77	106.96	0.00	ND<500	ND<500	--	ND<500	ND<500	--	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<1	ND<5	ND<1	ND<1	ND<1
			09/07/2005	93.86	106.87	0.00	ND<500	ND<500	--	ND<500	ND<500	--	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<1	ND<5	ND<1	ND<1	ND<1
			03/14/2007	93.73	107.00	0.00	ND<500	ND<500	--	ND<500	ND<500	--	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<1	ND<5	ND<1	ND<1	ND<1
			08/08/2007	93.54	107.19	0.00	ND<500	ND<500	--	ND<500	ND<500	--	ND<0.5	ND<1	ND<1	ND<1	ND<1	ND<10	ND<2	ND<2	ND<2
			12/18/2007	94.10	106.63	0.00	ND<500	ND<500	--	ND<500	ND<500	--	ND<0.5	ND<1	ND<1	ND<1	ND<1	ND<10	ND<2	ND<2	ND<2
			12/06/2012	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			05/07/2013	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			08/19/2013	94.23	106.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			11/19/2013	94.34	106.30	0.00	ND<100	--	--	ND<100	--	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0
	03/12/2014	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	09/16/2014	94.58	106.06	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	12/19/2014	94.71	105.93	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	03/26/2015	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	06/30/2015	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	09/28/2015	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
06/09/2016	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
11/01/2017	93.45	107.19	0.00	ND<50	107.19	0.00	ND<50	ND<470	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0			
04/04/2018	93.45	107.19	0.00	72	107.19	0.00	72	ND<100	ND<100	2.2	ND<1.0	5.2	4.2	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0			

**TABLE 4**  
**SUMMARY OF HISTORICAL GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	Free Product Thickness (feet)	TPHg/TPPH [3] (ug/l)	TPHd [3] (ug/l)	TPHwo [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethylbenzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)				
MW8	200.99	75-95	07/14/1998	93.41	107.58	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--			
			03/07/2001	94.93	106.06	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
			08/23/2001	95.10	105.89	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
			12/19/2001	95.08	105.91	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
			03/27/2002	95.11	105.88	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
			06/28/2002	95.11	105.88	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			03/31/2003	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
			06/24/2003	94.98	106.01	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			09/03/2003	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/22/2003	95.03	105.96	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			03/15/2004	95.03	105.96	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			07/13/2004	95.08	105.91	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			10/20/2004	95.12	105.87	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			01/10/2005	95.10	105.89	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			07/06/2005	94.75	106.24	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			09/20/2005	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/21/2005	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			03/01/2005	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			09/07/2005	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			03/14/2007	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/08/2007	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	12/18/2007	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	12/06/2012	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	05/07/2013	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	08/19/2013	94.90	105.99	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	11/18/2013	94.90	105.99	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	03/12/2014	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	09/16/2014	94.88	106.01	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	12/19/2014	95.00	105.89	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	03/26/2015	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	06/30/2015	94.85	106.04	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	09/28/2015	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
06/09/2016	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
10/31/2017	93.92	106.97	0.00	--	--	--	ND<50	ND<470	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0			
04/04/2018	93.75	107.14	0.00	--	--	--	ND<50	ND<100	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0			

**TABLE 4  
SUMMARY OF HISTORICAL GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS  
BRIAN CHUCHUA JEEP  
777 WEST ORANGETHORPE AVENUE  
PLACENTIA, CALIFORNIA**

(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	Free Product Thickness (feet)	TPHg/TPPH [3] (ug/l)	TPHd [3] (ug/l)	TPHwo [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethylbenzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)		
MW9	200.73	75-95	07/14/1998	94.89	105.84	0.00	--	--	--	--	--	--	--	--	--	--	--	--		
			03/07/2001	95.00	105.73	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	
			08/23/2001	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/19/2001	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			03/27/2002	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			06/28/2002	94.90	105.83	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			03/31/2003	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			06/24/2003	94.98	105.75	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			09/03/2003	94.91	105.82	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/22/2003	94.92	105.81	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			03/15/2004	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			07/13/2004	94.86	105.87	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			10/20/2004	94.88	105.85	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			01/10/2005	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			07/06/2005	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			09/20/2005	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/21/2005	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/01/2005	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	09/07/2005	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	03/14/2007	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	08/08/2007	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	12/18/2007	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	12/06/2012	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	05/07/2013	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	08/19/2013	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	11/18/2013	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	03/12/2014	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	09/16/2014	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	12/19/2014	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	03/26/2015	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	06/30/2015	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	09/28/2015	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	06/09/2016	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
11/01/2017	93.90			93.90	106.43	0.00	24,000	18,000	--	12	ND<4.0	11	77	ND<4.0	ND<40	ND<8.0	ND<8.0	ND<8.0		
04/04/2018	93.50			93.50	106.83	0.00	2,500	5,100	ND<100	17	ND<1.0	40	44	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0		

**TABLE 4**  
**SUMMARY OF HISTORICAL GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	Free Product Thickness (feet)	TPHg/TPPH [3] (ug/l)	TPHd [3] (ug/l)	TPHwo [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethylbenzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)	
MW10	200.85	138.5-143.5	01/10/2005	134.74	66.11	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--
			07/06/2005	115.02	85.83	0.00	ND<50	ND<500	--	ND<1	ND<1	ND<1	ND<3	ND<2	ND<10	ND<2	ND<2	ND<2	ND<2
			09/20/2005	110.91	89.94	0.00	ND<500	ND<500	--	ND<0.5	ND<0.5	ND<0.5	0.6	ND<1	ND<5	ND<1	ND<1	ND<1	ND<1
			12/21/2005	107.76	93.09	0.00	ND<500	ND<500	--	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<1	ND<5	ND<1	ND<1	ND<1	ND<1
			03/01/2005	104.23	96.62	0.00	ND<500	ND<500	--	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<1	ND<5	ND<1	ND<1	ND<1	ND<1
			09/07/2005	99.60	101.25	0.00	ND<500	ND<500	--	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<1	ND<5	ND<1	ND<1	ND<1	ND<1
			03/14/2007	101.73	99.12	0.00	ND<500	ND<500	--	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<1	ND<5	ND<1	ND<1	ND<1	ND<1
			08/08/2007	119.44	81.41	0.00	ND<500	ND<500	--	ND<0.5	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<2	ND<2	ND<2
			12/18/2007	140.98	59.87	0.00	ND<500	ND<500	--	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<1	ND<5	ND<1	ND<1	ND<1	ND<1
			12/06/2012	103.90	96.95	0.00	ND<100	ND<500	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0
	05/07/2013	99.26	101.59	0.00	ND<50	ND<100	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0		
	08/19/2013	114.45	86.28	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	11/19/2013	124.37	76.36	0.00	ND<100	ND<500	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0		
	03/12/2014	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	09/16/2014	128.44	72.29	0.00	ND<100	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0		
	12/19/2014	130.15	70.58	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	03/26/2015	124.45	76.28	0.00	ND<50	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0		
	06/30/2015	126.20	74.53	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	09/28/2015	127.94	72.79	0.00	ND<100	ND<470	--	0.81	2.5	ND<1.0	2.2	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0		
	06/09/2016	115.25	85.48	0.00	ND<100	ND<450	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0		
10/30/2017	93.25	107.48	0.00	ND<50	ND<450	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0			
04/03/2018	93.55	107.18	0.00	ND<50	ND<100	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0			
MW11	200.46	137.5-142.5	01/10/2005	134.10	66.36	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--
			07/06/2005	114.84	85.62	0.00	ND<50	ND<500	--	ND<1	ND<1	ND<1	ND<3	ND<2	ND<10	ND<2	ND<2	ND<2	
			09/20/2005	110.74	89.72	0.00	ND<500	ND<500	--	ND<0.5	ND<0.5	0.6	ND<0.5	ND<1	ND<5	ND<1	ND<1	ND<1	
			12/21/2005	107.54	92.92	0.00	ND<500	ND<500	--	ND<0.5	ND<0.5	2.8	8.0	ND<1	ND<5	ND<1	ND<1	ND<1	
			03/01/2005	104.00	96.46	0.00	ND<500	ND<500	--	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<1	ND<5	ND<1	ND<1	ND<1	
			09/07/2005	99.33	101.13	0.00	ND<500	ND<500	--	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<1	ND<5	ND<1	ND<1	ND<1	
			03/14/2007	101.49	98.97	0.00	ND<500	ND<500	--	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<1	ND<5	ND<1	ND<1	ND<1	
			08/08/2007	119.28	81.18	0.00	ND<500	ND<500	--	ND<0.5	ND<1	ND<1	ND<1	ND<1	ND<10	ND<2	ND<2	ND<2	
			12/18/2007	140.82	59.64	0.00	ND<500	ND<500	--	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<1	ND<5	ND<1	ND<1	ND<1	
			12/06/2012	103.70	96.76	0.00	ND<100	ND<500	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0
	05/07/2013	99.07	101.39	0.00	ND<50	ND<100	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<2.0	ND<2.0			
	08/19/2013	114.30	86.05	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--		
	11/19/2013	124.05	76.30	0.00	ND<100	ND<500	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0			
	03/12/2014	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	09/16/2014	129.81	70.54	0.00	ND<100	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<2.0	ND<2.0			
	12/19/2014	129.99	70.36	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--		
	03/26/2015	124.31	76.04	0.00	ND<50	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<2.0	ND<2.0			
	06/30/2015	126.67	73.68	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--		
	09/28/2015	127.85	72.50	0.00	ND<100	ND<470	--	ND<0.50	1.3	ND<1.0	1.9	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0			
	06/09/2016	115.11	85.24	0.00	ND<100	ND<450	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0			
10/30/2017	93.05	107.30	0.00	ND<50	ND<470	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0				
04/03/2018	93.31	107.04	0.00	ND<50	ND<100	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0				

**TABLE 4**  
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**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	Free Product Thickness (feet)	TPHg/TPPH [3] (ug/l)	TPHd [3] (ug/l)	TPHwo [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethylbenzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)		
MW12	200.38	125-130	07/06/2005	115.13	85.25	0.00	ND<50	ND<500	--	ND<1	ND<1	ND<1	ND<3	ND<2	ND<10	ND<2	ND<2	ND<2		
			09/20/2005	110.73	89.65	0.00	ND<500	ND<500	--	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<1	ND<5	ND<1	ND<1	ND<1		
			12/21/2005	107.62	92.76	0.00	ND<500	ND<500	--	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<1	ND<5	ND<1	ND<1	ND<1		
			03/01/2005	104.30	96.08	0.00	ND<500	ND<500	--	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<1	ND<5	ND<1	ND<1	ND<1		
			09/07/2005	99.17	101.21	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	
			03/14/2007	101.58	98.80	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	
			08/08/2007	118.64	81.74	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	
			12/18/2007	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
			12/06/2012	103.95	96.43	0.00	ND<100	ND<500	--	ND<0.50	1.4	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<10	ND<2.0	ND<2.0	ND<2.0
			05/07/2013	99.30	101.08	0.00	ND<50	ND<100	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<10	ND<2.0	ND<2.0	ND<2.0
	200.30	08/19/2013	113.91	86.39	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--		
		11/19/2013	124.40	75.90	0.00	ND<100	ND<500	--	2.1	ND<1.0	ND<1.0	2.5	ND<1.0	ND<10	ND<10	ND<2.0	ND<2.0	ND<2.0		
		03/12/2014	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
		09/16/2014	128.08	72.22	0.00	ND<100	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<10	ND<2.0	ND<2.0	ND<2.0		
		12/19/2014	129.40	70.90	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--		
		03/26/2015	124.30	76.00	0.00	ND<50	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<10	ND<2.0	ND<2.0	ND<2.0	
		06/30/2015	126.15	74.15	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--		
		09/28/2015	127.48	72.82	0.00	ND<100	ND<470	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<10	ND<2.0	ND<2.0	ND<2.0	
		06/09/2016	115.57	84.73	0.00	ND<100	ND<450	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<10	ND<2.0	ND<2.0	ND<2.0	
		10/30/2017	93.43	106.87	0.00	ND<50	ND<470	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<10	ND<2.0	ND<2.0	ND<2.0	
04/03/2018	93.40	106.90	0.00	ND<50	ND<100	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<10	ND<2.0	ND<2.0	ND<2.0			
MW13	199.79	120-125	07/06/2005	115.31	84.48	0.00	ND<50	ND<500	--	ND<1	ND<1	ND<1	ND<3	ND<2	ND<10	ND<2	ND<2	ND<2		
			09/20/2005	110.36	89.43	0.00	ND<500	ND<500	--	ND<0.5	ND<0.5	ND<0.5	2.8	ND<1	ND<5	ND<1	ND<1	ND<1		
			12/21/2005	107.34	92.45	0.00	ND<500	ND<500	--	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<1	ND<5	ND<1	ND<1	ND<1		
			03/01/2005	104.17	95.62	0.00	ND<500	ND<500	--	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<1	ND<5	ND<1	ND<1	ND<1		
			09/07/2005	98.74	101.05	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	
			03/14/2007	101.22	98.57	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	
			08/08/2007	119.01	80.78	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	
			12/18/2007	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
			12/06/2012	103.50	96.29	0.00	ND<100	ND<500	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<10	ND<2.0	ND<2.0	ND<2.0
			05/07/2013	99.15	100.64	0.00	ND<50	ND<100	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<10	ND<2.0	ND<2.0	ND<2.0
	199.68	08/19/2013	113.49	86.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
		11/18/2013	124.17	75.51	0.00	ND<100	ND<500	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<10	ND<2.0	ND<2.0	ND<2.0	
		03/12/2014	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
		09/16/2014	124.53	75.15	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--		
		12/19/2014	124.74	74.94	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--		
		03/26/2015	124.10	75.58	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--		
		06/30/2015	124.55	75.13	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--		
		09/28/2015	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
		06/09/2016	115.85	83.83	0.00	ND<100	ND<450	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<10	ND<2.0	ND<2.0	ND<2.0	
		10/30/2017	93.50	106.18	0.00	ND<50	ND<450	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<10	ND<2.0	ND<2.0	ND<2.0	
04/03/2018	93.15	106.53	0.00	ND<50	ND<100	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<10	ND<2.0	ND<2.0	ND<2.0			

**TABLE 4**  
**SUMMARY OF HISTORICAL GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	Free Product Thickness (feet)	TPHg/TPPH [3] (ug/l)	TPHd [3] (ug/l)	TPHwo [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethylbenzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)		
MW14	200.09	137.5-142.5	01/10/2005	134.71	65.38	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	
			07/06/2005	114.62	85.47	0.00	ND<50	ND<500	--	ND<1	ND<1	ND<1	ND<3	ND<2	ND<10	ND<2	ND<2	ND<2	ND<2	
			09/20/2005	110.50	89.59	0.00	ND<500	ND<500	--	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<1	ND<5	ND<1	ND<1	ND<1	ND<1	
			12/21/2005	107.33	92.76	0.00	ND<500	ND<500	--	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<1	ND<5	ND<1	ND<1	ND<1	ND<1	
			03/01/2005	103.79	96.30	0.00	ND<500	ND<500	--	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<1	ND<5	ND<1	ND<1	ND<1	ND<1	
			09/07/2005	99.13	100.96	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			03/14/2007	101.31	98.78	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			08/08/2007	119.00	81.09	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/18/2007	140.42	59.67	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/07/2012	103.50	96.59	0.00	ND<100	ND<500	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	
	05/07/2013	99.00	101.09	0.00	ND<50	ND<100	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0			
	08/19/2013	114.04	85.97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	11/18/2013	123.94	76.07	0.00	ND<100	ND<500	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0			
	03/12/2014	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	09/16/2014	128.11	71.90	0.00	ND<100	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0			
	12/19/2014	129.76	70.25	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	03/26/2015	124.10	75.91	0.00	ND<50	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0			
	06/30/2015	125.83	74.18	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	09/28/2015	127.65	72.36	0.00	ND<100	ND<470	--	ND<1.0	ND<2.0	ND<2.0	2.6	ND<2.0	ND<20	ND<4.0	ND<4.0	ND<4.0				
	06/09/2016	115.01	85.00	0.00	ND<100	ND<450	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0			
10/31/2017	92.94	107.07	0.00	ND<100	ND<450	--	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<20	ND<4.0	ND<4.0	ND<4.0				
04/03/2018	93.21	106.80	0.00	ND<50	ND<100	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0				
MW15	200.42	66-86	01/10/2005	75.60	124.82	0.00	--	--	--	--	--	--	--	--	--	--	--	--		
			07/06/2005	72.23	128.19	0.00	30,500	2,200	--	22	146	1,140	4,830	ND<40	ND<200	ND<40	ND<40	ND<40		
			09/20/2005	72.73	127.69	0.00	26,000	4,500	--	ND<50	69	1,400	4,120	ND<100	ND<500	ND<100	ND<100	ND<100		
			12/21/2005	72.81	127.61	0.00	14,000	5,600	--	ND<50	ND<50	1,500	3,790	ND<100	ND<500	ND<100	ND<100	ND<100		
			03/01/2005	72.03	128.39	0.00	38,000	2,300	--	ND<50	52	1,800	5,550	ND<100	ND<500	ND<100	ND<100	ND<100		
			09/07/2005	73.35	127.07	0.00	14,000	3,300	--	ND<50	ND<50	1,700	3,380	ND<100	ND<500	ND<100	ND<100	ND<100		
			03/14/2007	68.80	131.62	0.00	1,400	ND<500	--	ND<4	ND<4	2.6	66.3	ND<4	ND<20	ND<4	ND<4	ND<4		
			08/08/2007	71.74	128.68	0.00	1,900	1,100	--	2	ND<1	3.7	72.2	ND<1	ND<10	ND<2	ND<2	ND<2		
			12/18/2007	74.41	126.01	0.00	1,700	ND<500	--	6.5	ND<5	55	ND<15	ND<10	ND<50	ND<10	ND<10	ND<10		
			12/07/2012	70.42	130.00	0.00	5,500	5,200	--	0.82	ND<1.0	320	1,380	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0		
			05/08/2013	68.75	131.67	0.00	320	270	--	0.76	ND<0.50	3.0	7.2	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0		
			08/19/2013	71.18	129.15	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	
			11/18/2013	71.80	128.53	0.00	760	860	--	2.3	ND<1.0	21	45.4	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0		
			03/12/2014	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
			09/16/2014	71.11	129.22	0.00	310	2,000	--	ND<0.50	0.70	42	95	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0		
			12/19/2014	72.71	127.62	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	
03/27/2015	71.76	128.57	0.00	570	--	--	ND<0.50	1.1	32	46	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0					
Well Abandoned on June 15, 2015																				

**TABLE 4**  
**SUMMARY OF HISTORICAL GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	Free Product Thickness (feet)	TPHg/TPPH [3] (ug/l)	TPHd [3] (ug/l)	TPHwo [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethylbenzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)	
MW15R	200.15	59-79	06/30/2015	70.15	130.00	0.00	61,000	--	--	ND<12	ND<25	1,200	5,200	ND<25	ND<250	ND<50	ND<50	ND<50	
			09/29/2015	70.55	129.60	0.00	6,800	15,000	--	ND<5.0	ND<10	980	3,240	ND<10	ND<100	ND<20	ND<20	ND<20	
			06/10/2016	70.32	129.83	0.00	2,700	2,100	--	ND<1.0	ND<2.0	43	79	ND<2.0	ND<20	ND<4.0	ND<4.0	ND<4.0	
			10/31/2017	74.09	126.06	0.00	14,000	9,000	--	ND<5.0	ND<10	1,300	1,700	ND<10	ND<100	ND<20	ND<20	ND<20	
			04/04/2018	70.50	129.65	0.00	210	ND<100	ND<100	ND<1.0	ND<1.0	3.2	1.2	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	
MW16	200.96	138-143	01/10/2005	134.12	66.84	0.00	--	--	--	--	--	--	--	--	--	--	--	--	
			07/06/2005	114.83	86.13	0.00	ND<50	ND<500	--	ND<1	ND<1	ND<1	ND<3	ND<2	ND<10	ND<2	ND<2	ND<2	
			09/20/2005	110.83	90.13	0.00	ND<500	ND<500	--	ND<0.5	ND<0.5	ND<0.5	2.8	ND<1	ND<5	ND<1	ND<1	ND<1	
			12/21/2005	107.70	93.26	0.00	ND<500	ND<500	--	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<1	ND<5	ND<1	ND<1	ND<1	
			03/01/2005	104.70	96.26	0.00	ND<500	ND<500	--	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<1	ND<5	ND<1	ND<1	ND<1	
			09/07/2005	99.50	101.46	0.00	ND<500	ND<500	--	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<1	ND<5	ND<1	ND<1	ND<1	
			03/14/2007	101.61	99.35	0.00	ND<500	ND<500	--	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<1	ND<5	ND<1	ND<1	ND<1	
			08/08/2007	119.20	81.76	0.00	ND<500	ND<500	--	ND<0.5	ND<1	ND<1	ND<1	ND<1	ND<10	ND<2	ND<2	ND<2	
			12/18/2007	140.98	59.98	0.00	ND<500	ND<500	--	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<1	ND<5	ND<1	ND<1	ND<1	
			12/07/2012	103.65	97.31	0.00	ND<100	ND<500	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0
			05/07/2013	98.95	102.01	0.00	ND<50	ND<100	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	
	08/19/2013	114.20	86.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	11/18/2013	124.23	76.66	0.00	ND<100	ND<500	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0			
	03/12/2014	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	09/16/2014	129.65	71.24	0.00	ND<100	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0			
	12/19/2014	130.02	70.87	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--		
	03/26/2015	124.21	76.68	0.00	ND<50	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0			
	06/30/2015	125.95	74.94	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--		
	09/28/2015	127.75	73.14	0.00	ND<100	ND<470	--	ND<0.50	ND<1.0	ND<1.0	1.4	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0			
	06/09/2016	114.93	85.96	0.00	ND<100	ND<450	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0			
	10/31/2017	92.90	107.99	0.00	ND<50	ND<470	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0			
	04/03/2018	93.26	107.63	0.00	ND<50	ND<100	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0			
	MW17	201.57	64-84	08/19/2013	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	
11/18/2013				DRY	--	--	--	--	--	--	--	--	--	--	--	--	--		
03/12/2014				DRY	--	--	--	--	--	--	--	--	--	--	--	--	--		
09/16/2014				DRY	--	--	--	--	--	--	--	--	--	--	--	--	--		
12/19/2014				DRY	--	--	--	--	--	--	--	--	--	--	--	--	--		
03/26/2015				DRY	--	--	--	--	--	--	--	--	--	--	--	--	--		
06/30/2015				83.87	117.70	0.00	--	--	--	--	--	--	--	--	--	--	--		
09/28/2015				DRY	--	--	--	--	--	--	--	--	--	--	--	--	--		
06/09/2016				DRY	--	--	--	--	--	--	--	--	--	--	--	--	--		
10/31/2017				DRY	--	--	--	--	--	--	--	--	--	--	--	--	--		
04/02/2018	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--					

**TABLE 4**  
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**BRIAN CHUCHUA JEEP**  
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**PLACENTIA, CALIFORNIA**

(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	Free Product Thickness (feet)	TPHg/TPPH [3] (ug/l)	TPHd [3] (ug/l)	TPHwo [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethylbenzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)			
MW18	201.33	64-84	08/19/2013	75.52	125.81	0.00	1,600	3,900	--	68	2.0	120	18.0	ND<1.0	15	ND<2.0	ND<2.0	ND<2.0			
			11/20/2013	77.45	123.88	0.00	1,600	3,600	--	8.2	ND<1.0	16	6.7	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0			
			03/12/2014	75.70	125.63	0.00	3,900	5,500	--	110	2.3	650	11.5	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0			
			09/16/2014	75.70	125.63	0.00	530	3,300	--	180	21	1,100	680	ND<5.0	ND<100	ND<20	ND<20	ND<20			
			12/19/2014	76.65	124.68	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--		
			03/27/2015	75.96	125.37	0.00	1,300	--	--	40	2.6	53	62	ND<0.50	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0		
			06/30/2015	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
			09/29/2015	75.03	126.30	0.00	1,200	1,800	--	36	ND<5.0	220	147	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<10		
			06/10/2016	75.30	126.03	0.00	2,000	1,600	--	46	2.3	360	154	ND<2.0	ND<20	ND<4.0	ND<4.0	ND<4.0	ND<4.0		
			10/30/2017	81.35	119.98	0.00	190	ND<450	--	0.69	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<10	ND<2.0	ND<2.0	ND<2.0		
			04/04/2018	75.50	125.83	0.00	520	ND<100	ND<100	1.3	ND<1.0	110	89	ND<1.0	ND<10	ND<10	ND<10	ND<2.0	ND<2.0	ND<2.0	
			MW19	200.95	64-84	08/19/2013	78.25	122.70	0.00	ND<100	ND<500	--	1.1	ND<1.0	5.3	3.8	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0
						11/20/2013	78.60	122.35	0.00	ND<100	ND<500	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<10	ND<2.0	ND<2.0
03/12/2014	78.85	122.10				0.00	ND<100	ND<480	--	ND<0.50	ND<1.0	3.1	ND<1.0	ND<1.0	ND<10	ND<10	ND<2.0	ND<2.0	ND<2.0		
09/16/2014	79.20	121.75				0.00	ND<100	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<10	ND<2.0	ND<2.0	ND<2.0		
12/19/2014	79.47	121.48				0.00	--	--	--	--	--	--	--	--	--	--	--	--	--		
03/27/2015	79.50	121.45				0.00	ND<50	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<10	ND<2.0	ND<2.0	ND<2.0		
06/30/2015	78.38	122.57				0.00	--	--	--	--	--	--	--	--	--	--	--	--	--		
09/29/2015	79.35	121.60				0.00	ND<100	ND<470	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<10	ND<2.0	ND<2.0	ND<2.0		
06/10/2016	79.36	121.59				0.00	ND<100	ND<450	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<10	ND<2.0	ND<2.0	ND<2.0		
10/30/2017	79.75	121.20				0.00	ND<50	ND<450	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<10	ND<2.0	ND<2.0	ND<2.0		
04/04/2018	79.25	121.70	0.00	ND<50	ND<100	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<10	ND<2.0	ND<2.0	ND<2.0					
MW20	200.77	64-84	08/19/2013	82.43	118.34	0.00	ND<100	ND<500	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0			
			11/20/2013	83.21	117.56	0.00	ND<100	--	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<10	ND<2.0	ND<2.0	ND<2.0		
			03/12/2014	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
			09/16/2014	83.29	117.48	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--		
			12/19/2014	83.53	117.24	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--		
			03/26/2015	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
			06/30/2015	82.04	118.73	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--		
			09/29/2015	82.25	118.52	0.00	ND<100	ND<470	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<10	ND<2.0	ND<2.0	ND<2.0		
			06/10/2016	DRY	--	--	ND<100	ND<450	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<10	ND<2.0	ND<2.0	ND<2.0		
			11/01/2017	83.53	117.24	0.00	91	ND<450	--	ND<0.50	ND<1.0	1.6	6.1	ND<1.0	ND<10	ND<10	ND<2.0	ND<2.0	ND<2.0		
04/02/2018	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					

**TABLE 4**  
**SUMMARY OF HISTORICAL GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

(concentrations reported in micrograms per liter)

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater [2] (feet)	Groundwater Elevation (ft-msl)	Free Product Thickness (feet)	TPHg/TPPH [3] (ug/l)	TPHd [3] (ug/l)	TPHwo [3] (ug/l)	Benzene [4] (ug/l)	Toluene [4] (ug/l)	Ethylbenzene [4] (ug/l)	Total Xylenes [4] (ug/l)	MTBE [4] (ug/l)	TBA [4] (ug/l)	DIPE [4] (ug/l)	ETBE [4] (ug/l)	TAME [4] (ug/l)					
MW21	200.67	64-84	08/19/2013	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
			11/18/2013	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
			03/12/2014	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
			09/16/2014	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
			12/19/2014	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
			03/26/2015	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
			06/30/2015	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			09/28/2015	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			06/09/2016	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			10/31/2017	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			04/02/2018	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW22	200.48	60-75	09/16/2014	73.20	127.28	0.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
			12/19/2014	73.65	126.83	0.00	480	ND<480	--	10	ND<1.0	15	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0		
			03/26/2015	70.57	129.91	0.00	ND<50	--	--	1.8	ND<0.50	1.3	1.9	ND<0.50	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0		
			06/30/2015	71.42	129.06	0.00	ND<100	--	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0		
			09/29/2015	71.23	129.25	0.00	ND<100	ND<470	--	0.86	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0		
			06/10/2016	72.86	127.62	0.00	ND<100	ND<450	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0		
			11/01/2017	73.60	126.88	0.00	78	ND<450	--	1.4	ND<1.0	1.7	2.3	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0		
			04/02/2018	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
			04/02/2018	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW23	199.94	60-75	09/17/2014	73.05	126.89	0.00	ND<100	740	--	37	ND<0.50	5.6	38	ND<0.50	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0				
			12/19/2014	71.18	128.76	0.00	ND<100	ND<480	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0			
			03/26/2015	71.21	128.73	0.00	ND<50	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0			
			06/30/2015	71.95	127.99	0.00	ND<100	--	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0			
			09/29/2015	70.75	129.19	0.00	ND<100	ND<470	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0			
			06/10/2016	69.35	130.59	0.00	ND<100	ND<450	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0		
			11/01/2017	73.80	126.14	0.00	230	ND<450	--	ND<0.50	ND<1.0	ND<1.0	1.3	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0			
			04/04/2018	72.70	127.24	0.00	ND<50	ND<100	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0		
			04/04/2018	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
MW24	201.02	60-75	09/16/2014	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
			12/19/2014	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
			03/26/2015	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
			06/30/2015	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
			09/28/2015	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
			06/09/2016	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
			10/31/2017	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
			04/02/2018	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
			04/02/2018	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		

Notes:

- [1] ft-msl = feet relative to mean sea level
- [2] Depth to groundwater as measured from the top of well casing.
- [3] Analyzed for total petroleum hydrocarbons as gasoline (TPHg) and diesel (TPHd) by modified EPA Method No. 8015M
- [4] Analyzed for total purgable petroleum hydrocarbons (TPPH), benzene, toluene, ethylbenzene, total xylenes (BTEX), and fuel oxygenates, by EPA Method No. 8260B.
- \* = Top of casing elevations for well from January 2000 Groundwater Monitoring Report by SCS Engineers dated 1/14/2000. Wells have not been resurveyed by FREY.
- \*\* = Obstruction was observed in well during the fourth quarter 2013 groundwater monitoring and sampling event.

- (ug/l)=micrograms per liter
- ND<0.50 = Not Detected at or above the laboratory detection limit.
- NA = not available
- = not analyzed
- bgs = below the ground surface.

**TABLE 5**  
**SUMMARY OF HISTORICAL CHEMICAL ANALYSIS RESULTS - ADDITIONAL VOCS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

(concentrations reported in micrograms per liter)

Well No.	Date Sampled	PCE [1] (ug/l)	TCE [1] (ug/l)	cis1,2-DCE [1] (ug/l)	n-Butyl-benzene [1] (ug/l)	sec-Butyl-benzene [1] (ug/l)	Isopropyl-benzene [1] (ug/l)	Naphthalene [1] (ug/l)	n-Propyl-benzene [1] (ug/l)	1,2,4-Trimethyl-benzene [1] (ug/l)	1,3,5-Trimethyl-benzene [1] (ug/l)	p-Isopropyl-toluene [1] (ug/l)	Chlorform [1]
MW1	6/26/1997	--	--	--	--	--	--	--	--	--	--	--	--
	07/14/1998	--	--	--	--	--	--	--	--	--	--	--	--
	03/07/2001	--	--	--	--	--	--	--	--	--	--	--	--
	08/23/2001	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2001	--	--	--	--	--	--	--	--	--	--	--	--
	03/27/2002	--	--	--	--	--	--	--	--	--	--	--	--
	06/28/2002	--	--	--	--	--	--	--	--	--	--	--	--
	03/31/2003	--	--	--	--	--	--	--	--	--	--	--	--
	06/24/2003	--	--	--	--	--	--	--	--	--	--	--	--
	09/03/2003	--	--	--	--	--	--	--	--	--	--	--	--
	12/22/2003	--	--	--	--	--	--	--	--	--	--	--	--
	03/15/2004	--	--	--	--	--	--	--	--	--	--	--	--
	07/13/2004	--	--	--	--	--	--	--	--	--	--	--	--
	10/20/2004	--	--	--	--	--	--	--	--	--	--	--	--
	01/10/2005	--	--	--	--	--	--	--	--	--	--	--	--
	07/06/2005	ND<5	ND<5	ND<5	16	ND<5	8	28	10	161	70	ND<5	--
	09/20/2005	--	--	--	--	--	--	--	--	--	--	--	--
	12/21/2005	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	79	ND<10	110	24	ND<10	--
	03/01/2005	--	--	--	--	--	--	--	--	--	--	--	--
	09/07/2005	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	87	ND<10	140	ND<10	ND<10	--
	03/14/2007	5.0	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	4.6	1.4	ND<1	--
	08/08/2007	2.1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1	--
	12/18/2007	3.3	ND<2	ND<2	ND<2	ND<2	ND<2	7.2	ND<2	27	11	ND<2	--
	12/07/2012	1.9	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.6	ND<1.0	ND<1.0	ND<1.0
	05/08/2013	3.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	08/19/2013	--	--	--	--	--	--	--	--	--	--	--	--
	11/19/2013	1.4	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	03/12/2014	--	--	--	--	--	--	--	--	--	--	--	--
09/17/2014	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	
12/19/2014	--	--	--	--	--	--	--	--	--	--	--	--	
06/30/2015	--	--	--	--	--	--	--	--	--	--	--	--	
09/29/2015	--	--	--	--	--	--	ND<10	--	--	--	--	--	
06/10/2016	1.1	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	2.2	ND<1.0	ND<1.0	ND<1.0	
11/01/2017	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.3	5.8	2.9	ND<1.0	ND<1.0	
04/04/2018	--	--	--	--	--	--	--	--	--	--	--	--	

**TABLE 5**  
**SUMMARY OF HISTORICAL CHEMICAL ANALYSIS RESULTS - ADDITIONAL VOCS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

(concentrations reported in micrograms per liter)

Well No.	Date Sampled	PCE [1] (ug/l)	TCE [1] (ug/l)	cis1,2-DCE [1] (ug/l)	n-Butyl-benzene [1] (ug/l)	sec-Butyl-benzene [1] (ug/l)	Isopropyl-benzene [1] (ug/l)	Naphthalene [1] (ug/l)	n-Propyl-benzene [1] (ug/l)	1,2,4-Trimethyl-benzene [1] (ug/l)	1,3,5-Trimethyl-benzene [1] (ug/l)	p-Isopropyl-toluene [1] (ug/l)	Chlorform [1]
MW2	6/1997	--	--	--	--	--	--	--	--	--	--	--	--
	07/14/1998	--	--	--	--	--	--	--	--	--	--	--	--
	03/07/2001	--	--	--	--	--	--	--	--	--	--	--	--
	08/23/2001	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2001	--	--	--	--	--	--	--	--	--	--	--	--
	03/27/2002	--	--	--	--	--	--	--	--	--	--	--	--
	06/28/2002	--	--	--	--	--	--	--	--	--	--	--	--
	03/31/2003	--	--	--	--	--	--	--	--	--	--	--	--
	06/24/2003	--	--	--	--	--	--	--	--	--	--	--	--
	09/03/2003	--	--	--	--	--	--	--	--	--	--	--	--
	12/22/2003	--	--	--	--	--	--	--	--	--	--	--	--
	03/15/2004	--	--	--	--	--	--	--	--	--	--	--	--
	07/13/2004	--	--	--	--	--	--	--	--	--	--	--	--
	10/20/2004	--	--	--	--	--	--	--	--	--	--	--	--
	01/10/2005	--	--	--	--	--	--	--	--	--	--	--	--
	07/06/2005	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	1,290	142	4,230	1,340	ND<100	--
	09/20/2005	--	--	--	--	--	--	--	--	--	--	--	--
	12/21/2005	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	350	ND<100	1,900	710	ND<100	--
	03/01/2005	--	--	--	--	--	--	--	--	--	--	--	--
	09/07/2005	ND<10	ND<10	ND<10	ND<10	ND<10	68	640	180	3,500	1,000	13	--
	03/14/2007	ND<100	ND<100	130	ND<100	ND<100	120	1,000	340	4,300	1,500	ND<100	--
	08/08/2007	ND<50	ND<50	ND<50	ND<50	ND<50	60	740	180	2,500	710	ND<100	--
	12/18/2007	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	1,800	700	8,800	2,800	ND<500	--
	12/07/2012	ND<5.0	ND<5.0	ND<5.0	50	27	53	370	170	950	8.6	7.6	ND<1.0
	05/08/2013	3.4	ND<1.0	ND<1.0	ND<1.0	ND<1.0	79	180	56	48	300	ND<1.0	ND<1.0
	08/19/2013	--	--	--	--	--	--	--	--	--	--	--	--
	11/19/2013	ND<25	ND<25	ND<25	210	54	150	1,100	420	4,300	1,100	ND<25	ND<25
	03/12/2014	--	--	--	--	--	--	--	--	--	--	--	--
	09/17/2014	ND<10	ND<10	ND<10	ND<10	ND<10	290	1,300	270	3,200	1,700	ND<10	ND<10
	12/19/2014	--	--	--	--	--	--	--	--	--	--	--	--
	06/30/2015	--	--	--	--	--	--	--	--	--	--	--	--
	09/29/2015	--	--	--	--	--	--	1,200	--	--	--	--	--
	06/10/2016	ND<50	ND<50	ND<50	220	ND<50	140	1,300	440	5,200	1,300	ND<50	ND<50
	10/31/2017	ND<25	ND<25	ND<25	410	ND<25	360	2,300	1,100	12,000	2,900	ND<25	ND<25
	04/04/2018	ND<1.0	ND<1.0	ND<1.0	6	ND<1.0	ND<1.0	120	360	99	55	ND<1.0	ND<1.0

**TABLE 5**  
**SUMMARY OF HISTORICAL CHEMICAL ANALYSIS RESULTS - ADDITIONAL VOCS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

(concentrations reported in micrograms per liter)

Well No.	Date Sampled	PCE [1] (ug/l)	TCE [1] (ug/l)	cis1,2-DCE [1] (ug/l)	n-Butyl-benzene [1] (ug/l)	sec-Butyl-benzene [1] (ug/l)	Isopropyl-benzene [1] (ug/l)	Naphthalene [1] (ug/l)	n-Propyl-benzene [1] (ug/l)	1,2,4-Trimethyl-benzene [1] (ug/l)	1,3,5-Trimethyl-benzene [1] (ug/l)	p-Isopropyl-toluene [1] (ug/l)	Chlorform [1]	
MW3	6/1997	--	--	--	--	--	--	--	--	--	--	--	--	
	07/14/1998	--	--	--	--	--	--	--	--	--	--	--	--	
	03/07/2001	--	--	--	--	--	--	--	--	--	--	--	--	
	08/23/2001	--	--	--	--	--	--	--	--	--	--	--	--	
	12/19/2001	--	--	--	--	--	--	--	--	--	--	--	--	
	03/27/2002	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/28/2002	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/31/2003	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/24/2003	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/03/2003	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/22/2003	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/15/2004	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/13/2004	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/20/2004	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/10/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/06/2005	ND<50	ND<50	ND<50	53	ND<50	ND<50	747	78	236	164	ND<50	--	--
	09/20/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/21/2005	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	370	ND<100	200	140	ND<50	--	--
	03/01/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/07/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/14/2007	ND<20	ND<20	150	ND<20	ND<20	29	480	80	85	ND<20	ND<20	--	--
	08/08/2007	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<500	ND<50	190	ND<50	ND<50	--	--
	12/18/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/07/2012	--	--	--	--	--	--	--	--	--	--	--	--	ND<1.0
	05/08/2013	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	2.7	2.5	29	7.2	ND<1.0	ND<1.0	ND<1.0
	08/19/2013	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/18/2013	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/2014	--	--	--	--	--	--	--	--	--	--	--	--	--
09/17/2014	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	
12/19/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	
06/30/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	
09/29/2015	--	--	--	--	--	--	ND<10	--	--	--	--	--	--	
06/10/2016	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	6.7	1.9	ND<1.0	ND<1.0	ND<1.0	
11/01/2017	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	2.1	ND<1.0	ND<1.0	ND<1.0	ND<1.0	
04/04/2018	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.5	5.5	2.1	ND<1.0	ND<1.0	ND<1.0	

**TABLE 5**  
**SUMMARY OF HISTORICAL CHEMICAL ANALYSIS RESULTS - ADDITIONAL VOCS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

(concentrations reported in micrograms per liter)

Well No.	Date Sampled	PCE [1] (ug/l)	TCE [1] (ug/l)	cis1,2-DCE [1] (ug/l)	n-Butyl-benzene [1] (ug/l)	sec-Butyl-benzene [1] (ug/l)	Isopropyl-benzene [1] (ug/l)	Naphthalene [1] (ug/l)	n-Propyl-benzene [1] (ug/l)	1,2,4-Trimethyl-benzene [1] (ug/l)	1,3,5-Trimethyl-benzene [1] (ug/l)	p-Isopropyl-toluene [1] (ug/l)	Chlorform [1]	
MW4 (pre-purge) (post-purge)	07/14/1998	--	--	--	--	--	--	--	--	--	--	--	--	
	03/07/2001	--	--	--	--	--	--	--	--	--	--	--	--	
	03/07/2001	--	--	--	--	--	--	--	--	--	--	--	--	
	08/23/2001	--	--	--	--	--	--	--	--	--	--	--	--	
	12/19/2001	--	--	--	--	--	--	--	--	--	--	--	--	
	03/27/2002	--	--	--	--	--	--	--	--	--	--	--	--	
	06/28/2002	--	--	--	--	--	--	--	--	--	--	--	--	
	03/31/2003	--	--	--	--	--	--	--	--	--	--	--	--	
	06/24/2003	--	--	--	--	--	--	--	--	--	--	--	--	
	09/03/2003	--	--	--	--	--	--	--	--	--	--	--	--	
	12/22/2003	--	--	--	--	--	--	--	--	--	--	--	--	
	03/15/2004	--	--	--	--	--	--	--	--	--	--	--	--	
	07/13/2004	--	--	--	--	--	--	--	--	--	--	--	--	
	10/20/2004	--	--	--	--	--	--	--	--	--	--	--	--	
	01/10/2005	--	--	--	--	--	--	--	--	--	--	--	--	
	07/06/2005	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	139	2,080	394	4,160	1,660	ND<50	--
	09/20/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/21/2005	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	120	1,100	330	2,300	1,000	ND<100	--
	03/01/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/07/2005	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	160	1,600	480	3,400	1,400	ND<100	--
	03/14/2007	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	1,200	460	2,400	1,200	ND<200	--
	08/08/2007	ND<50	ND<50	ND<50	99	ND<50	ND<50	110	1,500	380	1,300	930	380	--
	12/18/2007	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	1,400	1,400	ND<500	2,100	1,100	ND<500	--
	12/07/2012	ND<5.0	ND<5.0	ND<5.0	140	31	150	150	1,500	460	3,400	1,200	13	ND<1.0
	05/08/2013	1.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	76	190	70	28	170	ND<1.0	ND<1.0
	08/19/2013	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/19/2013	ND<10	ND<10	ND<10	32	14	51	600	140	1,200	98	ND<10	ND<10	ND<10
	03/12/2014	--	--	--	--	--	--	--	--	--	--	--	--	--
09/17/2014	2.1	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	110	390	35	480	300	ND<1.0	ND<1.0	
12/19/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	
06/30/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	
09/29/2015	--	--	--	--	--	--	760	--	--	--	--	--	--	
06/10/2016	ND<10	ND<10	ND<10	36	ND<10	64	660	160	1,400	370	ND<10	ND<10	ND<10	
11/01/2017	ND<20	ND<20	ND<20	61	ND<20	120	800	340	1,800	600	ND<20	ND<20	ND<20	
04/04/2018	ND<1.0	ND<1.0	ND<1.0	4.1	ND<1.0	ND<1.0	11	31	79	53	ND<1.0	ND<1.0	ND<1.0	

**TABLE 5**  
**SUMMARY OF HISTORICAL CHEMICAL ANALYSIS RESULTS - ADDITIONAL VOCS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

(concentrations reported in micrograms per liter)

Well No.	Date Sampled	PCE [1] (ug/l)	TCE [1] (ug/l)	cis1,2-DCE [1] (ug/l)	n-Butyl-benzene [1] (ug/l)	sec-Butyl-benzene [1] (ug/l)	Isopropyl-benzene [1] (ug/l)	Naphthalene [1] (ug/l)	n-Propyl-benzene [1] (ug/l)	1,2,4-Trimethyl-benzene [1] (ug/l)	1,3,5-Trimethyl-benzene [1] (ug/l)	p-Isopropyl-toluene [1] (ug/l)	Chlorform [1]	
MW5 (pre-purge) (post-purge)	07/14/1998	--	--	--	--	--	--	--	--	--	--	--	--	
	03/07/2001	--	--	--	--	--	--	--	--	--	--	--	--	
	03/07/2001	--	--	--	--	--	--	--	--	--	--	--	--	
	08/23/2001	--	--	--	--	--	--	--	--	--	--	--	--	
	12/19/2001	--	--	--	--	--	--	--	--	--	--	--	--	
	03/27/2002	--	--	--	--	--	--	--	--	--	--	--	--	
	06/28/2002	--	--	--	--	--	--	--	--	--	--	--	--	
	03/31/2003	--	--	--	--	--	--	--	--	--	--	--	--	
	06/24/2003	--	--	--	--	--	--	--	--	--	--	--	--	
	09/03/2003	--	--	--	--	--	--	--	--	--	--	--	--	
	12/22/2003	--	--	--	--	--	--	--	--	--	--	--	--	
	03/15/2004	--	--	--	--	--	--	--	--	--	--	--	--	
	07/13/2004	--	--	--	--	--	--	--	--	--	--	--	--	
	10/20/2004	--	--	--	--	--	--	--	--	--	--	--	--	
	01/10/2005	--	--	--	--	--	--	--	--	--	--	--	--	
	07/06/2005	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	84	875	136	2,110	1,170	ND<50	--
	09/20/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/21/2005	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	170	1,100	510	1,200	760	ND<100	--
	03/01/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/07/2005	ND<20	ND<20	ND<20	ND<20	390	100	100	700	380	540	520	41	--
	03/14/2007	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	980	350	1,300	560	ND<200	--
	08/08/2007	ND<25	ND<25	ND<25	ND<25	ND<25	47	94	1,500	230	1,100	370	ND<25	--
	12/18/2007	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	100	ND<10	ND<10	ND<10	ND<10	--
	12/07/2012	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/07/2013	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/19/2013	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/18/2013	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/2014	--	--	--	--	--	--	--	--	--	--	--	--	--
09/16/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	
12/19/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	
06/30/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	
09/28/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	
06/09/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/31/2017	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.0	2.1	ND<1.0	ND<1.0	ND<1.0	
04/04/2018	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.2	ND<1.0	ND<1.0	3.1	8.5	6.2	3.2	ND<1.0	ND<1.0	

**TABLE 5**  
**SUMMARY OF HISTORICAL CHEMICAL ANALYSIS RESULTS - ADDITIONAL VOCS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

(concentrations reported in micrograms per liter)

Well No.	Date Sampled	PCE [1] (ug/l)	TCE [1] (ug/l)	cis1,2-DCE [1] (ug/l)	n-Butyl-benzene [1] (ug/l)	sec-Butyl-benzene [1] (ug/l)	Isopropyl-benzene [1] (ug/l)	Naphthalene [1] (ug/l)	n-Propyl-benzene [1] (ug/l)	1,2,4-Trimethyl-benzene [1] (ug/l)	1,3,5-Trimethyl-benzene [1] (ug/l)	p-Isopropyl-toluene [1] (ug/l)	Chlorform [1]	
MW7 (pre-purge) (post-purge)	07/14/1998	--	--	--	--	--	--	--	--	--	--	--	--	
	03/07/2001	--	--	--	--	--	--	--	--	--	--	--	--	
	03/07/2001	--	--	--	--	--	--	--	--	--	--	--	--	
	08/23/2001	--	--	--	--	--	--	--	--	--	--	--	--	
	12/19/2001	--	--	--	--	--	--	--	--	--	--	--	--	
	03/27/2002	--	--	--	--	--	--	--	--	--	--	--	--	
	06/28/2002	--	--	--	--	--	--	--	--	--	--	--	--	
	03/31/2003	--	--	--	--	--	--	--	--	--	--	--	--	
	06/24/2003	--	--	--	--	--	--	--	--	--	--	--	--	
	09/03/2003	--	--	--	--	--	--	--	--	--	--	--	--	
	12/22/2003	--	--	--	--	--	--	--	--	--	--	--	--	
	03/15/2004	--	--	--	--	--	--	--	--	--	--	--	--	
	07/13/2004	--	--	--	--	--	--	--	--	--	--	--	--	
	10/20/2004	--	--	--	--	--	--	--	--	--	--	--	--	
	01/10/2005	--	--	--	--	--	--	--	--	--	--	--	--	
	07/06/2005	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--
	09/20/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/21/2005	1.5	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--
	03/01/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/07/2005	1.7	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--
	03/14/2007	1.1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--
	08/08/2007	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1	--
	12/18/2007	2.1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1	--
	12/07/2012	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/07/2013	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/19/2013	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/19/2013	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	1.2	ND<1.0	ND<1.0	ND<1.0
	03/12/2014	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/16/2014	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2014	--	--	--	--	--	--	--	--	--	--	--	--	--
06/30/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	
09/28/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	
06/09/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	
11/01/2017	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	1.0	ND<1.0	ND<1.0	ND<1.0	
04/04/2018	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	5.1	1.1	ND<1.0	ND<1.0	

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**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

(concentrations reported in micrograms per liter)

Well No.	Date Sampled	PCE [1] (ug/l)	TCE [1] (ug/l)	cis1,2-DCE [1] (ug/l)	n-Butyl-benzene [1] (ug/l)	sec-Butyl-benzene [1] (ug/l)	Isopropyl-benzene [1] (ug/l)	Naphthalene [1] (ug/l)	n-Propyl-benzene [1] (ug/l)	1,2,4-Trimethyl-benzene [1] (ug/l)	1,3,5-Trimethyl-benzene [1] (ug/l)	p-Isopropyl-toluene [1] (ug/l)	Chlorform [1]	
MW8	07/14/1998	--	--	--	--	--	--	--	--	--	--	--	--	
	03/07/2001	--	--	--	--	--	--	--	--	--	--	--	--	
	08/23/2001	--	--	--	--	--	--	--	--	--	--	--	--	
	12/19/2001	--	--	--	--	--	--	--	--	--	--	--	--	
	03/27/2002	--	--	--	--	--	--	--	--	--	--	--	--	
	06/28/2002	--	--	--	--	--	--	--	--	--	--	--	--	
	03/31/2003	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/24/2003	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/03/2003	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/22/2003	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/15/2004	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/13/2004	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/20/2004	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/10/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/06/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/20/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/21/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/01/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/07/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/08/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/18/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/07/2012	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/07/2013	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/19/2013	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/18/2013	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/2014	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/16/2014	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2014	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/30/2015	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/28/2015	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/09/2016	--	--	--	--	--	--	--	--	--	--	--	--	--
10/31/2017	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	
04/04/2018	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	

**TABLE 5**  
**SUMMARY OF HISTORICAL CHEMICAL ANALYSIS RESULTS - ADDITIONAL VOCS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

(concentrations reported in micrograms per liter)

Well No.	Date Sampled	PCE [1] (ug/l)	TCE [1] (ug/l)	cis1,2-DCE [1] (ug/l)	n-Butyl-benzene [1] (ug/l)	sec-Butyl-benzene [1] (ug/l)	Isopropyl-benzene [1] (ug/l)	Naphthalene [1] (ug/l)	n-Propyl-benzene [1] (ug/l)	1,2,4-Trimethyl-benzene [1] (ug/l)	1,3,5-Trimethyl-benzene [1] (ug/l)	p-Isopropyl-toluene [1] (ug/l)	Chlorform [1]
MW9	07/14/1998	--	--	--	--	--	--	--	--	--	--	--	--
	03/07/2001	--	--	--	--	--	--	--	--	--	--	--	--
	08/23/2001	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2001	--	--	--	--	--	--	--	--	--	--	--	--
	03/27/2002	--	--	--	--	--	--	--	--	--	--	--	--
	06/28/2002	--	--	--	--	--	--	--	--	--	--	--	--
	03/31/2003	--	--	--	--	--	--	--	--	--	--	--	--
	06/24/2003	--	--	--	--	--	--	--	--	--	--	--	--
	09/03/2003	--	--	--	--	--	--	--	--	--	--	--	--
	12/22/2003	--	--	--	--	--	--	--	--	--	--	--	--
	03/15/2004	--	--	--	--	--	--	--	--	--	--	--	--
	07/13/2004	--	--	--	--	--	--	--	--	--	--	--	--
	10/20/2004	--	--	--	--	--	--	--	--	--	--	--	--
	01/10/2005	--	--	--	--	--	--	--	--	--	--	--	--
	07/06/2005	--	--	--	--	--	--	--	--	--	--	--	--
	09/20/2005	--	--	--	--	--	--	--	--	--	--	--	--
	12/21/2005	--	--	--	--	--	--	--	--	--	--	--	--
	03/01/2005	--	--	--	--	--	--	--	--	--	--	--	--
	09/07/2005	--	--	--	--	--	--	--	--	--	--	--	--
	03/14/2007	--	--	--	--	--	--	--	--	--	--	--	--
	08/08/2007	--	--	--	--	--	--	--	--	--	--	--	--
	12/18/2007	--	--	--	--	--	--	--	--	--	--	--	--
	12/07/2012	--	--	--	--	--	--	--	--	--	--	--	--
	05/07/2013	--	--	--	--	--	--	--	--	--	--	--	--
	08/19/2013	--	--	--	--	--	--	--	--	--	--	--	--
	11/18/2013	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/2014	--	--	--	--	--	--	--	--	--	--	--	--
	09/16/2014	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2014	--	--	--	--	--	--	--	--	--	--	--	--
	06/30/2015	--	--	--	--	--	--	--	--	--	--	--	--
09/28/2015	--	--	--	--	--	--	--	--	--	--	--	--	
06/09/2016	--	--	--	--	--	--	--	--	--	--	--	--	
11/01/2017	ND<4.0	ND<4.0	ND<4.0	ND<4.0	150	11	ND<4.0	550	13	380	160	ND<4.0	ND<4.0
04/04/2018	ND<1.0	ND<1.0	ND<1.0	ND<1.0	14	ND<1.0	ND<1.0	36	9.2	62	32	ND<1.0	ND<1.0

**TABLE 5**  
**SUMMARY OF HISTORICAL CHEMICAL ANALYSIS RESULTS - ADDITIONAL VOCS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

(concentrations reported in micrograms per liter)

Well No.	Date Sampled	PCE [1] (ug/l)	TCE [1] (ug/l)	cis1,2-DCE [1] (ug/l)	n-Butyl-benzene [1] (ug/l)	sec-Butyl-benzene [1] (ug/l)	Isopropyl-benzene [1] (ug/l)	Naphthalene [1] (ug/l)	n-Propyl-benzene [1] (ug/l)	1,2,4-Trimethyl-benzene [1] (ug/l)	1,3,5-Trimethyl-benzene [1] (ug/l)	p-Isopropyl-toluene [1] (ug/l)	Chlorform [1]
MW10	01/10/2005	--	--	--	--	--	--	--	--	--	--	--	--
	07/06/2005	1.4	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--
	09/20/2005	--	--	--	--	--	--	--	--	--	--	--	--
	12/21/2005	1.7	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--
	03/01/2005	--	--	--	--	--	--	--	--	--	--	--	--
	09/07/2005	1.3	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--
	03/14/2007	1.1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--
	08/08/2007	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1	--
	12/18/2007	2.0	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--
	12/07/2012	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	05/07/2013	1.1	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	08/19/2013	--	--	--	--	--	--	--	--	--	--	--	--
	11/19/2013	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	03/12/2014	--	--	--	--	--	--	--	--	--	--	--	--
	09/16/2014	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/19/2014	--	--	--	--	--	--	--	--	--	--	--	--
	06/30/2015	--	--	--	--	--	--	--	--	--	--	--	--
	09/28/2015	--	--	--	--	--	--	ND<10	--	--	--	--	--
	06/09/2016	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	10/30/2017	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.2
04/03/2018	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	

**TABLE 5**  
**SUMMARY OF HISTORICAL CHEMICAL ANALYSIS RESULTS - ADDITIONAL VOCS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

(concentrations reported in micrograms per liter)

Well No.	Date Sampled	PCE [1] (ug/l)	TCE [1] (ug/l)	cis1,2-DCE [1] (ug/l)	n-Butyl-benzene [1] (ug/l)	sec-Butyl-benzene [1] (ug/l)	Isopropyl-benzene [1] (ug/l)	Naphthalene [1] (ug/l)	n-Propyl-benzene [1] (ug/l)	1,2,4-Trimethyl-benzene [1] (ug/l)	1,3,5-Trimethyl-benzene [1] (ug/l)	p-Isopropyl-toluene [1] (ug/l)	Chlorform [1]
MW11	01/10/2005	--	--	--	--	--	--	--	--	--	--	--	--
	07/06/2005	1.7	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--
	09/20/2005	--	--	--	--	--	--	--	--	--	--	--	--
	12/21/2005	2.3	ND<1	ND<1	ND<1	ND<1	ND<1	1.2	ND<1	2	1.4	ND<1	--
	03/01/2005	--	--	--	--	--	--	--	--	--	--	--	--
	09/07/2005	1.5	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--
	03/14/2007	1.4	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--
	08/08/2007	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1	--
	12/18/2007	1.7	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--
	12/07/2012	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	05/07/2013	1.2	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	08/19/2013	--	--	--	--	--	--	--	--	--	--	--	--
	11/19/2013	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.2
	03/12/2014	--	--	--	--	--	--	--	--	--	--	--	--
	09/16/2014	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/19/2014	--	--	--	--	--	--	--	--	--	--	--	--
	06/30/2015	--	--	--	--	--	--	--	--	--	--	--	--
	09/28/2015	--	--	--	--	--	--	ND<10	--	--	--	--	--
	06/09/2016	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
10/30/2017	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
04/03/2018	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0

**TABLE 5**  
**SUMMARY OF HISTORICAL CHEMICAL ANALYSIS RESULTS - ADDITIONAL VOCS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

(concentrations reported in micrograms per liter)

Well No.	Date Sampled	PCE [1] (ug/l)	TCE [1] (ug/l)	cis1,2-DCE [1] (ug/l)	n-Butyl-benzene [1] (ug/l)	sec-Butyl-benzene [1] (ug/l)	Isopropyl-benzene [1] (ug/l)	Naphthalene [1] (ug/l)	n-Propyl-benzene [1] (ug/l)	1,2,4-Trimethyl-benzene [1] (ug/l)	1,3,5-Trimethyl-benzene [1] (ug/l)	p-Isopropyl-toluene [1] (ug/l)	Chlorform [1]	
MW12	07/06/2005	3.1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--	
	09/20/2005	--	--	--	--	--	--	--	--	--	--	--	--	
	12/21/2005	3.2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--	
	03/01/2005	--	--	--	--	--	--	--	--	--	--	--	--	
	09/07/2005	--	--	--	--	--	--	--	--	--	--	--	--	
	03/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	
	08/08/2007	--	--	--	--	--	--	--	--	--	--	--	--	
	12/18/2007	--	--	--	--	--	--	--	--	--	--	--	--	
	12/07/2012	1.4	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	05/07/2013	2.7	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	08/19/2013	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/19/2013	1.2	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--
	03/12/2014	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/16/2014	1.9	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/19/2014	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/30/2015	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/28/2015	--	--	--	--	--	--	--	ND<10	--	--	--	--	--
	06/09/2016	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	10/30/2017	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	04/03/2018	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0

**TABLE 5**  
**SUMMARY OF HISTORICAL CHEMICAL ANALYSIS RESULTS - ADDITIONAL VOCS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

(concentrations reported in micrograms per liter)

Well No.	Date Sampled	PCE [1] (ug/l)	TCE [1] (ug/l)	cis1,2-DCE [1] (ug/l)	n-Butyl-benzene [1] (ug/l)	sec-Butyl-benzene [1] (ug/l)	Isopropyl-benzene [1] (ug/l)	Naphthalene [1] (ug/l)	n-Propyl-benzene [1] (ug/l)	1,2,4-Trimethyl-benzene [1] (ug/l)	1,3,5-Trimethyl-benzene [1] (ug/l)	p-Isopropyl-toluene [1] (ug/l)	Chlorform [1]	
MW13	07/06/2005	2.1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--	
	09/20/2005	--	--	--	--	--	--	--	--	--	--	--	--	
	12/21/2005	1.5	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--	
	03/01/2005	--	--	--	--	--	--	--	--	--	--	--	--	
	09/07/2005	--	--	--	--	--	--	--	--	--	--	--	--	
	03/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	
	08/08/2007	--	--	--	--	--	--	--	--	--	--	--	--	
	12/18/2007	--	--	--	--	--	--	--	--	--	--	--	--	
	12/07/2012	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.2
	05/07/2013	1.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	08/19/2013	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/18/2013	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	03/12/2014	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/16/2014	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2014	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/30/2015	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/28/2015	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/09/2016	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	10/30/2017	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
04/03/2018	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	

**TABLE 5**  
**SUMMARY OF HISTORICAL CHEMICAL ANALYSIS RESULTS - ADDITIONAL VOCS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

(concentrations reported in micrograms per liter)

Well No.	Date Sampled	PCE [1] (ug/l)	TCE [1] (ug/l)	cis1,2-DCE [1] (ug/l)	n-Butyl-benzene [1] (ug/l)	sec-Butyl-benzene [1] (ug/l)	Isopropyl-benzene [1] (ug/l)	Naphthalene [1] (ug/l)	n-Propyl-benzene [1] (ug/l)	1,2,4-Trimethyl-benzene [1] (ug/l)	1,3,5-Trimethyl-benzene [1] (ug/l)	p-Isopropyl-toluene [1] (ug/l)	Chlorform [1]	
MW14	01/10/2005	--	--	--	--	--	--	--	--	--	--	--	--	
	07/06/2005	2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--	
	09/20/2005	--	--	--	--	--	--	--	--	--	--	--	--	
	12/21/2005	1.9	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--	
	03/01/2005	--	--	--	--	--	--	--	--	--	--	--	--	
	09/07/2005	--	--	--	--	--	--	--	--	--	--	--	--	
	03/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	
	08/08/2007	--	--	--	--	--	--	--	--	--	--	--	--	
	12/18/2007	--	--	--	--	--	--	--	--	--	--	--	--	
	12/07/2012	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	05/07/2013	2.2	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.5	1.2	ND<1.0	ND<1.0
	08/19/2013	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/18/2013	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	03/12/2014	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/16/2014	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/19/2014	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/30/2015	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/28/2015	--	--	--	--	--	--	--	ND<20	--	--	--	--	--
	06/09/2016	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	10/31/2017	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
04/03/2018	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	
MW15	01/10/2005	--	--	--	--	--	--	--	--	--	--	--	--	
	07/06/2005	2.0	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--	
	09/20/2005	--	--	--	--	--	--	--	--	--	--	--	--	
	12/21/2005	ND<100	ND<100	ND<100	ND<100	ND<100	120	760.0	310	1,200	810	ND<100	--	
	03/01/2005	--	--	--	--	--	--	--	--	--	--	--	--	
	09/07/2005	ND<100	ND<100	ND<100	ND<100	ND<100	160	690	420	1,400	1,100	ND<100	--	
	03/14/2007	ND<4	ND<4	ND<4	17	5.5	8.9	24	15	200	84	ND<4	--	
	08/08/2007	1.7	ND<1	ND<1	ND<1	4.1	7.9	50	6.9	140	58	1.8	--	
	12/18/2007	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	17	23	270	150	ND<10	--	
	12/07/2012	2.6	ND<1.0	ND<1.0	29	11	53	250	110	1,000	360	4.2	ND<1.0	
	05/08/2013	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.7	2.5	81	21	ND<1.0	ND<1.0	
	08/19/2013	--	--	--	--	--	--	--	--	--	--	--	--	
	11/18/2013	1.0	ND<1.0	ND<1.0	3.2	3.5	3.7	24	5.1	60	19	ND<1.0	ND<1.0	
	03/12/2014	--	--	--	--	--	--	--	--	--	--	--	--	
09/16/2014	2.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	49	54	12	600	32	ND<1.0	ND<1.0	
12/19/2014	--	--	--	--	--	--	--	--	--	--	--	--		
Well Abandoned on June 15, 2015														

**TABLE 5  
SUMMARY OF HISTORICAL CHEMICAL ANALYSIS RESULTS - ADDITIONAL VOCS  
BRIAN CHUCHUA JEEP  
777 WEST ORANGETHORPE AVENUE  
PLACENTIA, CALIFORNIA**

(concentrations reported in micrograms per liter)

Well No.	Date Sampled	PCE [1] (ug/l)	TCE [1] (ug/l)	cis1,2-DCE [1] (ug/l)	n-Butyl- benzene [1] (ug/l)	sec-Butyl- benzene [1] (ug/l)	Isopropyl- benzene [1] (ug/l)	Naphthalene [1] (ug/l)	n-Propyl- benzene [1] (ug/l)	1,2,4-Trimethyl- benzene [1] (ug/l)	1,3,5-Trimethyl- benzene [1] (ug/l)	p-Isopropyl- toluene [1] (ug/l)	Chlorform [1]
<b>MW15R</b>	06/30/2015	ND<25	ND<25	ND<25	250	60	180	1,500	370	3,900	1,500	ND<25	ND<25
	09/29/2015	--	--	--	--	--	--	830	--	--	--	--	--
	06/10/2016	ND<2.0	ND<2.0	ND<2.0	18	15	25	71	43	350	120	ND<2.0	ND<2.0
	10/31/2017	ND<10	ND<10	ND<10	33	ND<10	97	450	250	1,500	220	ND<10	ND<10
	04/04/2018	ND<1.0	ND<1.0	ND<1.0	2.8	ND<1.0	ND<1.0	ND<1.0	2.6	3.8	1.3	ND<1.0	ND<1.0
<b>MW16</b>	01/10/2005	--	--	--	--	--	--	--	--	--	--	--	--
	07/06/2005	ND<20	ND<20	ND<20	ND<20	26	104	660	202	1,090	834	ND<20	--
	09/20/2005	--	--	--	--	--	--	--	--	--	--	--	--
	12/21/2005	1.8	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--
	03/01/2005	--	--	--	--	--	--	--	--	--	--	--	--
	09/07/2005	1.3	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--
	03/14/2007	1.5	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--
	08/08/2007	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1	--
	12/18/2007	2.3	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--
	12/07/2012	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.0
	05/07/2013	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	08/19/2013	--	--	--	--	--	--	--	--	--	--	--	--
	11/18/2013	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	03/12/2014	--	--	--	--	--	--	--	--	--	--	--	--
	09/16/2014	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/19/2014	--	--	--	--	--	--	--	--	--	--	--	--
	06/30/2015	--	--	--	--	--	--	--	--	--	--	--	--
09/28/2015	--	--	--	--	--	--	ND<10	--	--	--	--	--	
06/09/2016	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	
10/31/2017	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	
04/03/2018	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	
<b>MW17</b>	08/19/2013	--	--	--	--	--	--	--	--	--	--	--	--
	11/20/2013	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/2014	--	--	--	--	--	--	--	--	--	--	--	--
	09/16/2014	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2014	--	--	--	--	--	--	--	--	--	--	--	--
	06/30/2015	--	--	--	--	--	--	--	--	--	--	--	--
	09/28/2015	--	--	--	--	--	--	--	--	--	--	--	--
	06/09/2016	--	--	--	--	--	--	--	--	--	--	--	--
	10/31/2017	--	--	--	--	--	--	--	--	--	--	--	--
04/02/2018	--	--	--	--	--	--	--	--	--	--	--	--	

**TABLE 5**  
**SUMMARY OF HISTORICAL CHEMICAL ANALYSIS RESULTS - ADDITIONAL VOCS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

(concentrations reported in micrograms per liter)

Well No.	Date Sampled	PCE [1] (ug/l)	TCE [1] (ug/l)	cis1,2-DCE [1] (ug/l)	n-Butyl-benzene [1] (ug/l)	sec-Butyl-benzene [1] (ug/l)	Isopropyl-benzene [1] (ug/l)	Naphthalene [1] (ug/l)	n-Propyl-benzene [1] (ug/l)	1,2,4-Trimethyl-benzene [1] (ug/l)	1,3,5-Trimethyl-benzene [1] (ug/l)	p-Isopropyl-toluene [1] (ug/l)	Chlorform [1]
MW18	08/19/2013	2.6	ND<1.0	ND<1.0	3.3	3.8	11	96	16	5.1	2.0	ND<1.0	ND<1.0
	11/20/2013	ND<1.0	ND<1.0	ND<1.0	ND<1.0	2.2	1.4	21	1.2	1.7	1.2	ND<1.0	ND<1.0
	03/12/2014	ND<1.0	ND<1.0	ND<1.0	ND<1.0	11	24	290	58	19	2.0	ND<1.0	ND<1.0
	09/16/2014	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	43	110	88	64	ND<1.0	ND<1.0
	12/19/2014	--	--	--	--	--	--	--	--	--	--	--	--
	06/30/2015	--	--	--	--	--	--	--	--	--	--	--	--
	09/29/2015	--	--	--	--	--	--	ND<50	--	--	--	--	--
	06/10/2016	ND<2.0	ND<2.0	ND<2.0	3.9	6.6	19	34	45	37	7.1	ND<2.0	ND<2.0
	10/30/2017	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	04/04/2018	ND<1.0	ND<1.0	ND<1.0	1.1	ND<1.0	ND<1.0	1.7	16	37	10	ND<1.0	ND<1.0
MW19	08/19/2013	1.4	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	11/20/2013	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	03/12/2014	1.3	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	09/16/2014	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	12/19/2014	--	--	--	--	--	--	--	--	--	--	--	--
	06/30/2015	--	--	--	--	--	--	--	--	--	--	--	--
	09/29/2015	--	--	--	--	--	--	ND<10	--	--	--	--	--
	06/10/2016	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	10/30/2017	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	04/04/2018	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
MW20	08/19/2013	1.2	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	11/18/2013	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	03/12/2014	--	--	--	--	--	--	--	--	--	--	--	--
	09/16/2014	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2014	--	--	--	--	--	--	--	--	--	--	--	--
	06/30/2015	--	--	--	--	--	--	--	--	--	--	--	--
	09/29/2015	--	--	--	--	--	--	ND<10	--	--	--	--	--
	06/10/2016	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	11/01/2017	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	6.8	1.9	ND<1.0	ND<1.0
	04/02/2018	--	--	--	--	--	--	--	--	--	--	--	--

**TABLE 5**  
**SUMMARY OF HISTORICAL CHEMICAL ANALYSIS RESULTS - ADDITIONAL VOCS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

(concentrations reported in micrograms per liter)

Well No.	Date Sampled	PCE [1] (ug/l)	TCE [1] (ug/l)	cis1,2-DCE [1] (ug/l)	n-Butyl-benzene [1] (ug/l)	sec-Butyl-benzene [1] (ug/l)	Isopropyl-benzene [1] (ug/l)	Naphthalene [1] (ug/l)	n-Propyl-benzene [1] (ug/l)	1,2,4-Trimethyl-benzene [1] (ug/l)	1,3,5-Trimethyl-benzene [1] (ug/l)	p-Isopropyl-toluene [1] (ug/l)	Chlorform [1]
MW21	08/19/2013	--	--	--	--	--	--	--	--	--	--	--	--
	11/18/2013	--	--	--	--	--	--	--	--	--	--	--	--
	03/12/2014	--	--	--	--	--	--	--	--	--	--	--	--
	09/16/2014	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2014	--	--	--	--	--	--	--	--	--	--	--	--
	06/30/2015	--	--	--	--	--	--	--	--	--	--	--	--
	09/28/2015	--	--	--	--	--	--	--	--	--	--	--	--
	06/09/2016	--	--	--	--	--	--	--	--	--	--	--	--
	10/31/2017	--	--	--	--	--	--	--	--	--	--	--	--
	04/02/2018	--	--	--	--	--	--	--	--	--	--	--	--
MW22	09/16/2014	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2014	1.4	ND<1.0	ND<1.0	2.1	1.2	1.7	ND<10	2.8	3.1	1.6	ND<1.0	ND<1.0
	06/30/2015	1.7	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	09/29/2015	--	--	--	--	--	--	ND<10	--	--	--	--	--
	06/10/2016	1.6	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	11/01/2017	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	2.8	ND<1.0	ND<1.0	ND<1.0
04/02/2018	--	--	--	--	--	--	--	--	--	--	--	--	
MW23	09/17/2013	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	2.8	5.8	2.2	11	33	ND<1.0	ND<1.0
	12/19/2014	1.4	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	06/30/2015	1.9	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	09/29/2015	--	--	--	--	--	--	ND<10	--	--	--	--	--
	06/10/2016	2.3	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	11/01/2017	2.1	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	1.6	ND<1.0	ND<1.0	ND<1.0
04/04/2018	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	

**TABLE 5**  
**SUMMARY OF HISTORICAL CHEMICAL ANALYSIS RESULTS - ADDITIONAL VOCS**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

(concentrations reported in micrograms per liter)

Well No.	Date Sampled	PCE [1] (ug/l)	TCE [1] (ug/l)	cis1,2-DCE [1] (ug/l)	n-Butyl-benzene [1] (ug/l)	sec-Butyl-benzene [1] (ug/l)	Isopropyl-benzene [1] (ug/l)	Naphthalene [1] (ug/l)	n-Propyl-benzene [1] (ug/l)	1,2,4-Trimethyl-benzene [1] (ug/l)	1,3,5-Trimethyl-benzene [1] (ug/l)	p-Isopropyl-toluene [1] (ug/l)	Chlorform [1]
MW24	09/16/2014	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2014	--	--	--	--	--	--	--	--	--	--	--	--
	06/30/2015	--	--	--	--	--	--	--	--	--	--	--	--
	09/28/2015	--	--	--	--	--	--	--	--	--	--	--	--
	06/09/2016	--	--	--	--	--	--	--	--	--	--	--	--
	10/31/2017	--	--	--	--	--	--	--	--	--	--	--	--
	04/02/2018	--	--	--	--	--	--	--	--	--	--	--	--

Notes:

[1] Analyzed for volatile organic compounds (VOCs) by EPA Method No. 8260B.

(ug/l)=micrograms per liter

ND<0.50 = Not Detected at or above the laboratory detection limit.

-- = not analyzed

**Table 6**  
**Well Construction Summary**  
**Brain Chuchua Jeep**  
**777 West Orangethorpe Avenue**  
**Placentia, California**

Well	Installation Date	Well Diameter (inches)	Bottom of Boring (feet bgs)	Top of Sand Pack (feet bgs)	Screen Interval(s) (feet bgs)
GW-1*	10/15/1988	2	99.5	18	20-40
GW-2*	01/08/1991	2	91.5	18**	20-70
GW-4*	01/10/1991	2	66.5	63**	45-65
MW1	05/20/1997	4	90	68**	70-90
MW2	05/20/1997	4	90	68**	70-90
MW3	05/21/1997	4	90	68**	70-90
MW4	06/24/1998	4	90	68**	70-90
MW5	06/24/1998	4	90	68**	70-90
MW7	06/24/1998	4	95	73**	75-95
MW8	06/24/1998	4	95	73**	75-95
MW9	06/24/1998	4	95	73**	75-95
MW10	01/04/2005	4	150	135	138-143
MW11	01/06/2005	4	150	135	138-143
MW12	06/08/2005	4	135	122	125-130
MW13	06/07/2005	4	125	117	120-125
MW14	01/10/2005	4	144	134.5	138-143
MW15***	01/07/2005	4	89	63	66-86
MW15R	06/16/2015	4	76.5	57	59-79
MW16	01/11/2005	4	144	135	138-143
MW17	07/11/2013	4	86.5	62	64-84
MW18	07/10/2013	4	86.5	62	64-84
MW19	07/11/2013	4	86.5	62	64-84
MW20	07/08/2013	4	86.5	62	64-84
MW21	07/09/2013	4	86.5	62	64-84
MW22	08/05/2014	4	76.5	58	60-75
MW23	08/04/2014	4	76.5	58	60-75
MW24	08/06/2014	4	76.5	58	60-75
VE1	09/02/2015	2	66.5	13 & 48	15-35 & 50-65

Notes:

\* = Unkown whether well was properly abandoned or is still existing at Site.

\*\* = Estimated top of sand pack. Information was not available to FREY.

\*\*\* = Well MW15 was abandoned on June 15, 2015.

**TABLE 7**  
**CHEMICAL ANALYSES OF VAPOR SAMPLES - VAPOR EXTRACTION TEST**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CALIFORNIA**

(measurements in parts per million per volume )

SAMPLE	DATE SAMPLED	TIME SAMPLED	TPHg [1]	Benzene [1]	Toluene [1]	Ethyl-benzene [1]	Total Xylenes [1]	MTBE [1]	TBA [1]	PCE [1]	TCE [1]	1,1,2-Trichloro-1,2,2-Trifluoroethane	Trichloro-fluoromethane [1]	1,2,4-TMB [1]	1,3,5-TMB [1]	Ethanol [1]
<b>TEST 1</b>																
MW1 - Start	10/13/2015	09:45	ND<5.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.032	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.15
MW1 - End	10/13/2015	10:55	ND<5.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.024	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.13
<b>TEST 2</b>																
VE1d - Start	10/13/2015	11:30	ND<5.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.091	ND<0.0050	0.0080	0.0082	ND<0.0050	ND<0.0050	0.14
VE1d - End	10/13/2015	01:15	ND<5.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.097	ND<0.0050	0.0079	0.0085	ND<0.0050	ND<0.0050	0.13
<b>TEST 3</b>																
VE1s - Start	10/14/2015	08:30	ND<5.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.15
VE1s - End	10/14/2015	09:50	ND<5.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.087	ND<0.0050	0.0052	0.0067	ND<0.0050	ND<0.0050	0.10
<b>TEST 4</b>																
MW20 - Start	10/14/2015	10:25	ND<5.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.083	ND<0.0050	0.0076	0.0066	ND<0.0050	ND<0.0050	0.10
MW20 - End	10/14/2015	11:25	ND<5.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.084	ND<0.0050	0.0072	0.0069	ND<0.0050	ND<0.0050	0.11
<b>TEST 5</b>																
MW18 - Start	10/14/2015	12:20	ND<5.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.071	ND<0.0050	0.0052	0.014	ND<0.0050	ND<0.0050	0.093
MW18 - End	10/14/2015	01:30	ND<5.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.075	ND<0.0050	0.0052	0.014	ND<0.0050	ND<0.0050	0.091
<b>TEST 6</b>																
MW15R - Start	10/15/2015	08:25	ND<5.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	0.076	ND<0.0050	ND<0.0050	0.021	ND<0.0050	ND<0.0050	0.076
MW15R - End	10/15/2015	09:40	ND<5.0	ND<0.0050	ND<0.0050	0.0083	0.034	ND<0.0050	ND<0.0050	0.086	ND<0.0050	ND<0.0050	0.022	0.017	0.0074	0.057
<b>TEST 7</b>																
MW9 - Start	10/15/2015	10:35	ND<5.0	0.022	0.0059	0.011	0.050	ND<0.0050	ND<0.0050	0.015	ND<0.0050	0.0074	ND<0.0050	0.0056	ND<0.0050	0.062
MW9 - End	10/15/2015	01:05	95	0.130	ND<0.050	0.110	0.60	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	0.11	ND<0.050	ND<0.050

NOTES:

- [1] Total Petroleum Hydrocarbons as gasoline (TPHg) and VOCs analyzed in accordance with EPA Method No. 8260B.  
 ND = Not detected above the given detection limit.  
 MTBE = Methyl tert-butyl ether  
 TBA = Tert-butyl alcohol  
 1,2,4-TMB = 1,2,4-Trimethylbenzene  
 1,3,5-TMB = 1,3,5-Trimethylbenzene

**TABLE 7A**  
**MAXIMUM DETECTED CONCENTRATIONS OF PCE IN SOIL VAPOR COLLECTED DURING VAPOR EXTRACTION REBOUND TESTING IN 2015**  
**BRIAN CHUCHUA JEEP**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CA**

[PCE analyzed in accordance with EPA Method 8260B]

SAMPLE NUMBER	WELL SCREEN INTERVAL (feet-bgs)	DATE SAMPLED	Tetrachloroethene (PCE) (ppmv)	Tetrachloroethene (PCE) (ug/m3)
MW1	70-90	10/13/2015	0.032	<b>217.06</b>
VE1D	50-65	10/13/2015	0.097	<b>657.97</b>
VE1S	15-35	10/14/2015	0.087	<b>590.14</b>
MW20	64-84	10/14/2015	0.084	<b>569.79</b>
MW18	64-84	10/14/2015	0.075	<b>508.74</b>
MW15R	59-79	10/15/2015	0.086	<b>583.36</b>
MW9	75-95	10/15/2015	0.015	<b>101.75</b>
<u>Soil Gas Screening Levels in ug/m<sup>3</sup></u>				
			SFBRWQCB, 2019 [1]	<b>15</b>
			CA DTSC, June 2020 (AF 0.001) [2]	<b>460</b>
			CA DTSC, June 2020 (AF 0.03) [3]	<b>15</b>
			Federal EPA, May 2021 (AF 0.001) [4]	11,000
			Federal EPA, May 2021 (AF 0.03) [5]	<b>367</b>

**NOTES:**

[1] San Francisco Bay Regional Water Quality Control Board Screening Levels (SFBRWQCB) Environmental Screening Levels (ESLs) for soils on residential properties, dated January 2019.

[2] California Department of Toxic Substances Control (DTSC) - HHRA Note Number 3 Recommended Screening Levels for Ambient Air Analytes for Residential Air, dated June 2020, with an attenuation factor of 0.001 applied. The most conservative screening level is used when both "cancer endpoint" and "noncancer endpoint" exists.

[3] California Department of Toxic Substances Control (DTSC) - HHRA Note Number 3 Recommended Screening Levels for Ambient Air Analytes for Residential Air, dated June 2020, with an attenuation factor of 0.03 applied. The most conservative screening level is used when both "cancer endpoint" and "noncancer endpoint" exists.

[4] Federal Environmental Protection Agency (EPA) Regional Screening Level (RSL) for Resident Ambient Air, dated May 2021, with an attenuation factor of 0.001 applied. The most conservative screening level is used when both "carinogenic" and noncarcinogenic" screening levels exist.

[5] Federal Environmental Protection Agency (EPA) Regional Screening Level (RSL) for Resident Ambient Air, dated May 2021, with an attenuation factor of 0.03 applied. The most conservative screening level is used when both "carinogenic" and noncarcinogenic" screening levels exist.

Parts per million per volume = ppmv

Micrograms per meter cubed = ug/m<sup>3</sup>

feet-bgs = Feet below the ground surface

**Bold** = Concentrations in bold exceed one or more of their respective regulatory screening levels based on an AF of

**TABLE 8**  
**SUMMARY OF SOIL SAMPLE LABORATORY RESULTS - TPH (2021)**  
**777 WEST ORANGETHORPE AVENUE**  
**PLACENTIA, CA**

Sample Designation	Sample Depth (ft-bgs) [1]	Date Sampled	Total Petroleum Hydrocarbons (TPH) [2]						
			Gasoline C6-C12 (mg/kg)	Stoddard Solvent C7-C12 (mg/kg)	Jet Fuel / Aromatic Medium C9-C16 (mg/kg)	Diesel C10-C28 (mg/kg)	Aromatic High C17-C32 (mg/kg)	Motor Oil C24-C36 (mg/kg)	Total TPH C6-C44 (mg/kg)
SV3-5	5	8/30/2021	ND<5.0	ND<5.0	ND<5.0	6.8	ND<5.0	ND<5.0	11
SV3-10	10	8/30/2021	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
B1-5	5	8/30/2021	ND<5.0	ND<5.0	ND<5.0	6.2	ND<5.0	ND<5.0	12
B1-10	10	8/30/2021	ND<5.0	ND<5.0	ND<5.0	5.6	ND<5.0	ND<5.0	7.1
B2-5	5	8/31/2021	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9
B2-10	10	8/31/2021	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
B3-5	5	8/30/2021	ND<4.9	ND<4.9	ND<4.9	53	44.9	37	93
B3-10	10	8/30/2021	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	5.3
B4-5	5	8/31/2021	ND<4.8	ND<4.8	ND<4.8	ND<4.8	ND<4.8	ND<4.8	ND<4.8
B4-10	10	8/31/2021	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
B5-5	5	8/31/2021	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	5.8
B5-10	10	8/31/2021	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	6.7
<b>SCREENING LEVELS</b>									
SFBRWQCB ESLs (2019) [3]			100	100	100	260	--	1,600	--
DTSC SLs [4]			--	--	97	--	2,400	--	--

**Notes:**

ND = not detected above laboratory detection limit.

NA = not analyzed

-- = not listed

[1] Depth in feet below ground surface (ft-bgs)

[2] Analyzed for Total Petroleum Hydrocarbons (TPH) in accordance with EPA Method No. 8015M.

[3] SFBRWQCB ESLs = Environmental Screening Levels published by the San Francisco Regional Water Quality Control Board for residential shallow soil, cancer risk or non-cancer hazard if no cancer risk is listed, dated February 2016 and January 2019.

[4] DTSC SLs = DTSC Human Health Risk Assessment Note 3, Table 3, Screening Levels for residential soil, cancer risk or non-cancer hazard if no cancer risk is listed, dated June 2020.

**TABLE 9  
CHEMICAL ANALYSIS OF SOIL VAPOR SAMPLES - DETECTED VOCs (2021)  
777 WEST ORANGETHORPE AVENUE  
PLACENTIA, CA**

[All Volatile Organic Compounds (VOCs) analyzed in accordance with EPA Method 8260B; Laboratory results presented in micrograms per meter cubed - ug/m<sup>3</sup>]

SAMPLE NUMBER	DEPTH (feet-bgs)	DATE SAMPLED	Ethylbenzene	Freon 113	Isopropylbenzene	n-propylbenzene	Tetrachloroethene (PCE)	Toluene	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Total xylenes
<b>Samples Collected by FREY Environmental, Inc. and Analyzed by Optimal Technology</b>											
SV1-5	4.5	9/2/2021	ND<20	ND<25	ND<25	ND<25	<b>652</b>	20	ND<25	ND<25	ND<75
SV1-5 DUP	4.5	9/2/2021	ND<20	ND<25	ND<25	ND<25	<b>633</b>	20	ND<25	ND<25	ND<75
SV1-15	15.5	9/2/2021	ND<20	ND<25	ND<25	ND<25	<b>1,107</b>	ND<20	ND<25	ND<25	ND<75
SV1-30	29.5	9/2/2021	ND<20	ND<25	ND<25	ND<25	<b>765</b>	ND<20	ND<25	ND<25	ND<75
SV2-5	4.5	9/2/2021	ND<20	ND<25	ND<25	ND<25	<b>564</b>	33	ND<25	ND<25	ND<75
SV2-15	15.5	9/2/2021	ND<20	ND<25	ND<25	ND<25	<b>789</b>	ND<20	ND<25	ND<25	ND<75
SV2-30	29.5	9/2/2021	ND<20	ND<25	ND<25	ND<25	<b>660</b>	ND<20	ND<25	ND<25	ND<75
SV3-5	4.5	9/2/2021	ND<20	ND<25	ND<25	ND<25	<b>716</b>	ND<20	ND<25	ND<25	ND<75
SV3-15	15.5	9/2/2021	ND<20	ND<25	ND<25	ND<25	<b>651</b>	ND<20	ND<25	ND<25	ND<75
SV3-30	29.5	9/2/2021	ND<20	ND<25	ND<25	ND<25	<b>564</b>	ND<20	ND<25	ND<25	ND<75
HA1-5	4.5	9/2/2021	ND<20	ND<25	ND<25	ND<25	<b>383</b>	ND<20	ND<25	ND<25	ND<75
HA1-15	15.5	9/2/2021	ND<20	ND<25	ND<25	ND<25	<b>484</b>	ND<20	ND<25	ND<25	ND<75
HA1-30	29.5	9/2/2021	ND<20	ND<25	ND<25	ND<25	<b>493</b>	ND<20	ND<25	ND<25	ND<75
HA2-5	4.5	9/2/2021	ND<20	ND<25	ND<25	ND<25	<b>489</b>	ND<20	ND<25	ND<25	ND<75
HA2-15	15.5	9/2/2021	ND<20	ND<25	ND<25	ND<25	<b>436</b>	ND<20	ND<25	ND<25	ND<75
HA2-30	29.5	9/2/2021	ND<20	ND<25	ND<25	ND<25	<b>381</b>	ND<20	ND<25	ND<25	ND<75
<b>Samples Collected by Tetra Tech BAS, Inc. and Analyzed by Jones Environmental, Inc.</b>											
B-1	5	07/06/2021	ND<20	42	ND<20	ND<20	<b>944</b>	124	ND<20	ND<20	ND<60
B-1 REP	5	07/06/2021	ND<20	ND<40	ND<20	ND<20	<b>795</b>	116	ND<20	ND<20	ND<60
B-2	5	07/06/2021	ND<20	ND<40	ND<20	ND<20	<b>1,350</b>	109	60	ND<20	50
B-3	5	07/06/2021	<b>45</b>	ND<40	ND<20	ND<20	<b>798</b>	109	ND<20	ND<20	302
B-4	5	07/06/2021	22	ND<40	ND<20	ND<20	<b>473</b>	63	57	ND<20	188
B-5	5	07/06/2021	<b>139</b>	ND<40	39	62	<b>586</b>	291	740	346	1,181
B-6	5	07/06/2021	<b>371</b>	ND<40	95	131	<b>562</b>	381	1,190	653	2,620
B-7	5	07/06/2021	<b>45</b>	ND<40	ND<20	ND<20	<b>563</b>	94	296	124	420
B-8	5	07/06/2021	<b>49</b>	ND<40	ND<20	ND<20	<b>313</b>	117	209	83	408
B-9	5	07/06/2021	<b>84</b>	ND<40	ND<20	ND<20	<b>165</b>	82	94	33	153
B-10	5	07/06/2021	ND<20	ND<40	ND<20	ND<20	<b>241</b>	28	ND<20	ND<20	ND<60
B-11	5	07/06/2021	ND<20	ND<40	ND<20	ND<20	<b>208</b>	25	ND<20	ND<20	ND<60
B-12	5	07/06/2021	ND<20	ND<40	ND<20	ND<20	<b>477</b>	31	ND<20	ND<20	ND<60
B-13	5	07/06/2021	ND<20	ND<40	ND<20	ND<20	<b>287</b>	24	ND<20	ND<20	ND<60
B-14	5	07/06/2021	ND<20	ND<40	ND<20	ND<20	<b>1,280</b>	59	24	ND<20	ND<60
B-15	5	07/06/2021	ND<20	ND<40	ND<20	ND<20	<b>1,400</b>	50	47	ND<20	45
B-16	5	07/06/2021	ND<20	ND<40	ND<20	ND<20	<b>702</b>	23	ND<20	ND<20	69
B-17	5	07/06/2021	ND<20	ND<40	ND<20	ND<20	<b>543</b>	45	ND<20	ND<20	ND<60
B-18	5	07/06/2021	ND<20	ND<40	ND<20	ND<20	<b>317</b>	45	ND<20	ND<20	ND<60
<b>Soil Gas Screening Levels</b>											
		SFBRWQCB, 2019 [1]	<b>37</b>	(N/A)	(N/A)	(N/A)	<b>15</b>	10,000	(N/A)	(N/A)	3,500
		CA DTSC, June 2020 (AF 0.001) [2]	(N/A)	(N/A)	(N/A)	(N/A)	<b>460</b>	310,000	(N/A)	(N/A)	(N/A)
		CA DTSC, June 2020 (AF 0.03) [3]	(N/A)	(N/A)	(N/A)	(N/A)	<b>15</b>	10,333	(N/A)	(N/A)	(N/A)
		Federal EPA, May 2021 (AF 0.001) [4]	1,100	5,200,000	420,000	1,000,000	11,000	5,200,000	63,000	63,000	100,000
		Federal EPA, May 2021 (AF 0.03) [5]	<b>37</b>	173,333	14,000	33,333	<b>367</b>	173,333	2,100	2,100	3,333

**NOTES:**

- [1] San Francisco Bay Regional Water Quality Control Board Screening Levels (SFBRWQCB) Environmental Screening Levels (ESLs) for soils on residential properties, dated January 2019.
- [2] California Department of Toxic Substances Control (DTSC) - HHRA Note Number 3 Recommended Screening Levels for Ambient Air Analytes for Residential Air, dated June 2020, with an attenuation factor of 0.001 applied. The most conservative screening level is used when both "cancer endpoint" and "noncancer endpoint" exists.
- [3] California Department of Toxic Substances Control (DTSC) - HHRA Note Number 3 Recommended Screening Levels for Ambient Air Analytes for Residential Air, dated June 2020, with an attenuation factor of 0.03 applied. The most conservative screening level is used when both "cancer endpoint" and "noncancer endpoint" exists.
- [4] Federal Environmental Protection Agency (EPA) Regional Screening Level (RSL) for Resident Ambient Air, dated May 2021, with an attenuation factor of 0.001 applied. The most conservative screening level is used when both "carcinogenic" and noncarcinogenic" screening levels exist.
- [5] Federal Environmental Protection Agency (EPA) Regional Screening Level (RSL) for Resident Ambient Air, dated May 2021, with an attenuation factor of 0.03 applied. The most conservative screening level is used when both "carcinogenic" and noncarcinogenic" screening levels exist.

(N/A) = Not applicable; no screening level is published for the given constituent.  
feet-bgs = Feet below the ground surface  
**Bold** = Concentrations in bold exceed one or more of their respective regulatory screening levels based

**TABLE 10**  
**SITE ESTIMATED SUBSLAB VAPOR INTRUSION**  
**CANCER RISK AND HAZARD INDEX**

**777 WEST ORANGETHORPE AVE**  
**PLACENTIA, CALIFORNIA**

Concentrations in micrograms per cubic meter (ug/m3)

<u>CHEMICAL</u>	<u>SITE MAXIMUM SUBSLAB CONCENTRATION</u>	<u>RESIDENTIAL SUBSLAB VAPOR INTRUSION</u>		<u>SITE SUBSLAB VAPOR INTRUSION</u>	
		<u>CANCER ENDPOINT CONCENTRATION*</u>	<u>NONCANCER ENDPOINT CONCENTRATION*</u>	<u>CANCER RISK**</u>	<u>HAZARD INDEX***</u>
Tetrachloroethene (PCE)	1,400	15	1,400	9.33E-05	1.00
<b>Estimated Subslab Vapor Intrusion Cancer Risk</b>				<b>9.33E-05</b>	
<b>Estimated Subslab Vapor Intrusion Hazard Index</b>					<b>1.00</b>

NOTES

Volatile organic compounds analyzed by EPA Method No. 8260B.

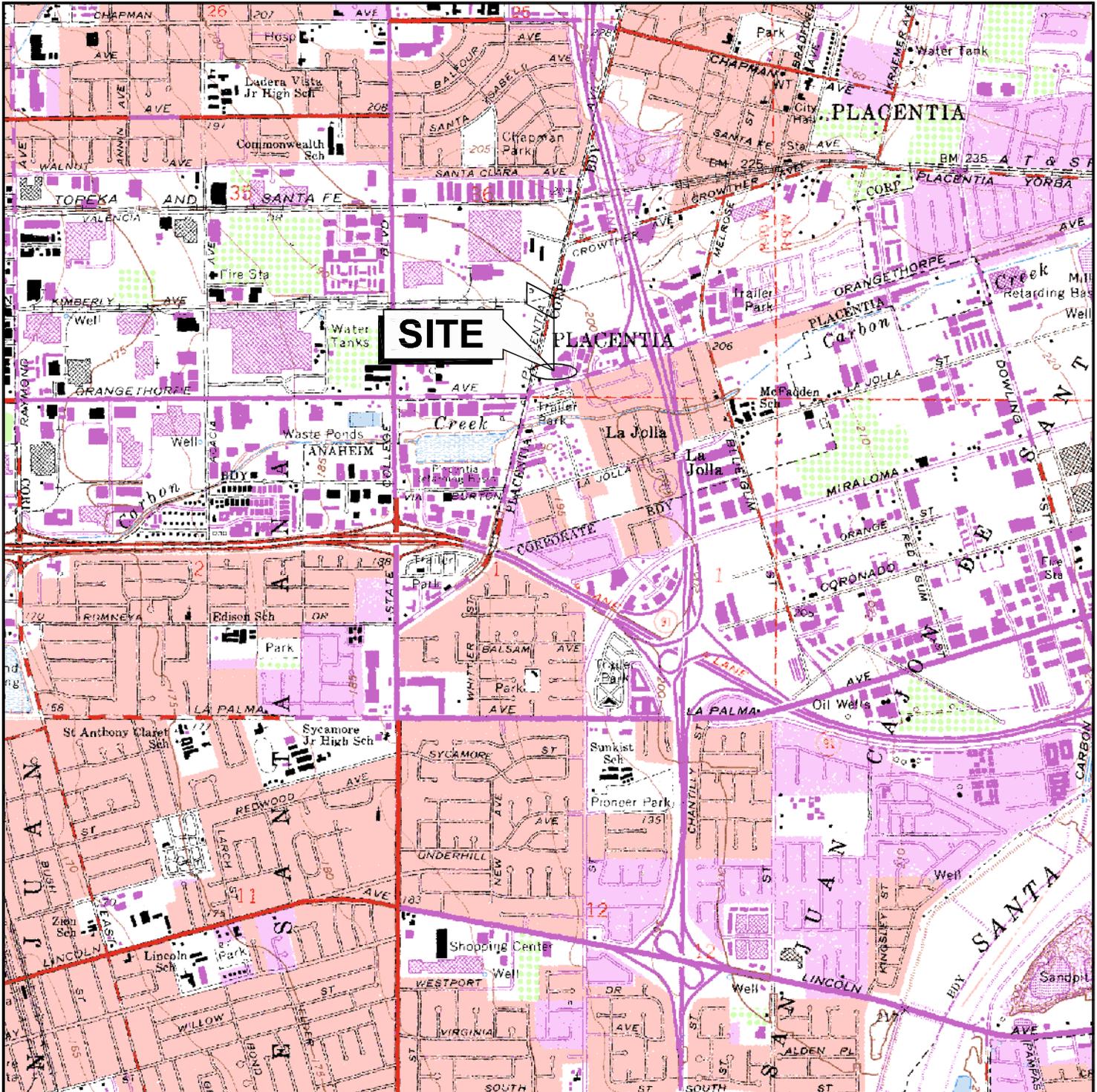
\* San Francisco Bay Regional Water Quality Control Board - Environmental Screening Levels Table SG-1.

"Subslab/Soil Gas Vapor Intrusion:Human Health Risk Screening Levels" for Residential dated January 2019.

\*\* Site Subslab Cancer Risk = Site Maximum Subslab Concentration x (1 x 10<sup>-6</sup>) / Subslab Cancer Endpoint Concentration From Table SG-1.

\*\*\* Site Subslab Hazard Index = Site Maximum Subslab Concentration x 1 / Subslab Noncancer Endpoint Concentration From Table SG-1.

## **FIGURES**



**NOTE:**

- 1. Base map from USGS 7.5 minute Orange & Anaheim (dated 1964 & 1965, Rev. 1981) California topographic quadrangle



APPROXIMATE SCALE IN MILES

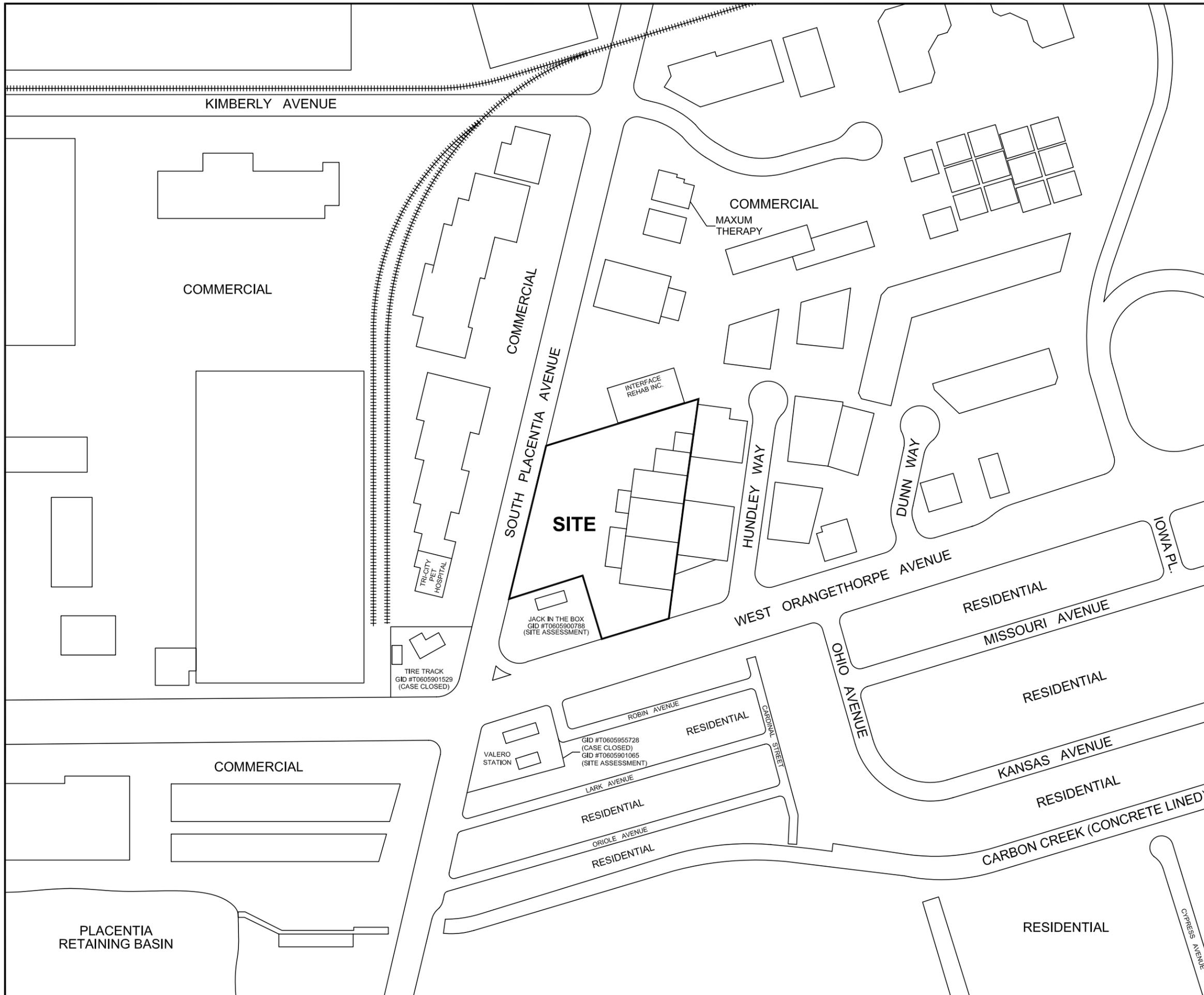


**SITE LOCATION MAP**

**BRIAN CHUCHUA JEEP**  
 777 WEST ORANGETHORPE AVENUE  
 PLACENTIA, CALIFORNIA

**FREY ENVIRONMENTAL, INC.**

CLIENT: BRIAN CHUCHUA	PROJECT No.: 731-01	DATE: 01/2013
FILE NAME: 731-01-SL.DWG		<b>FIGURE 1</b>



**LEGEND**

**NOTES:**

- 1. All locations and dimensions are approximate.
- 2. Site Sketch from Google Earth Aerial Photo.

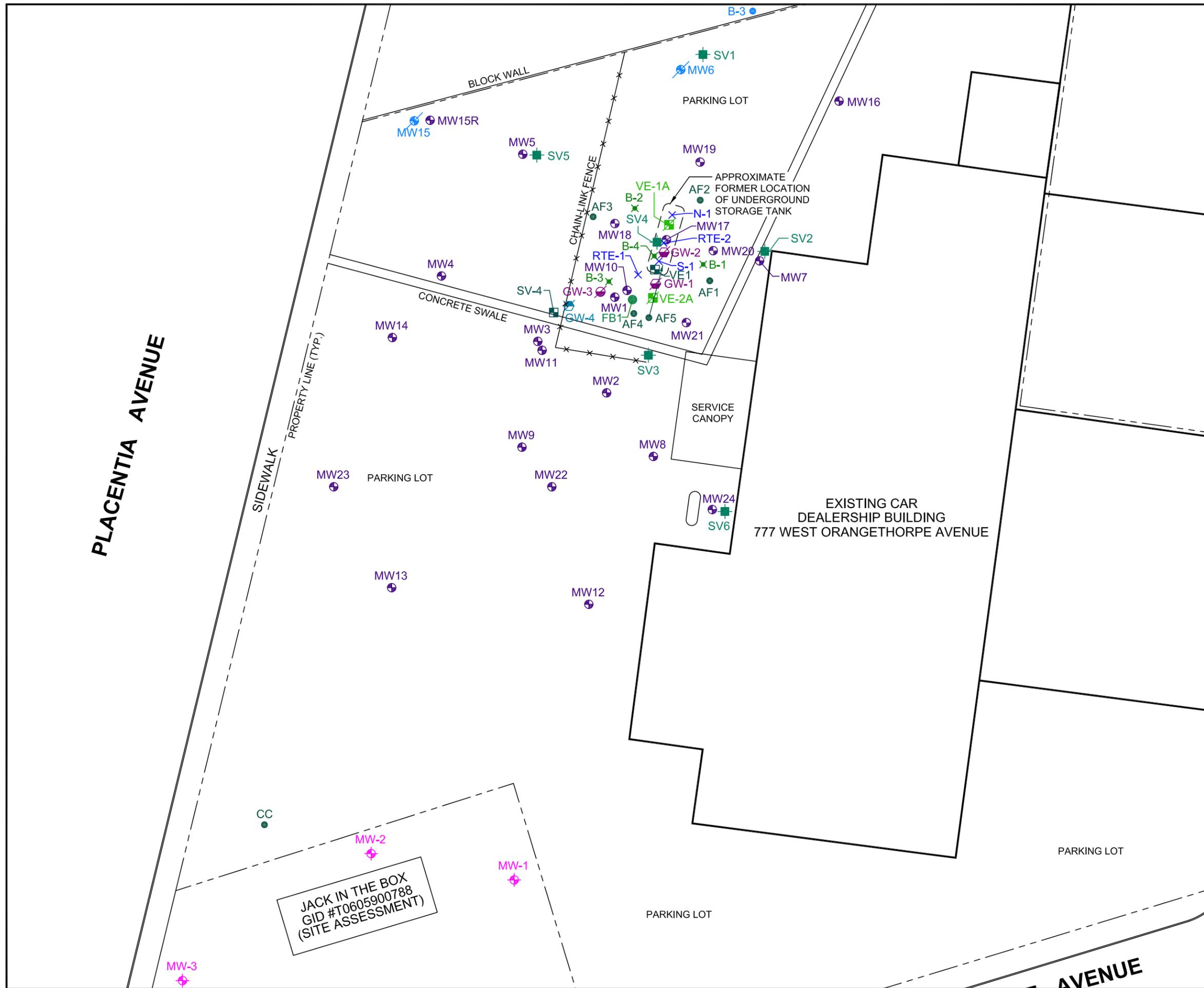


**SITE VICINITY SKETCH**

**BRIAN CHUCHUA JEEP**  
 777 WEST ORANGETHORPE AVENUE  
 PLACENTIA, CALIFORNIA

**FREY ENVIRONMENTAL, INC.**

CLIENT: BRIAN CHUCHUA	PROJECT No.: 731-01	DATE: 03/2015
FILE NAME: 731-01-VC.DWG		<b>FIGURE 2</b>



**LEGEND**

MW1	GROUNDWATER MONITORING WELL LOCATION
MW6	ABANDONED GROUNDWATER MONITORING WELL LOCATION
SV-4	SOIL VAPOR EXTRACTION WELL LOCATION
FB1	SOIL BORING WELL LOCATION
MW-1	GROUNDWATER MONITORING WELL LOCATION ASSOCIATED WITH JACK IN THE BOX (OCHCA CASE # 88UT131, GID # T0605900788)
N-1	SOIL SAMPLE LOCATION
AF1	SOIL BORING LOCATION (GEORESEARCH)
AF5	SLANT SOIL BORING LOCATION (GEORESEARCH)
GW-1	ABANDONED VAPOR EXTRACTION WELL LOCATION (GEORESEARCH / ROBINSON)
GW-3	ABANDONED SOIL BORING LOCATION (GEORESEARCH / ROBINSON)
GW-4	ADANDONED INJECTION WELL LOCATION (ROBINSON)
VE-1A	ABANDONED SOIL VAPOR EXTRACTION WELL LOCATION (ROBINSON)
B-3	CONFIRMATION SOIL BORING LOCATION (EBS)
B-1	GEO TECHNICAL SOIL BORING (GEOETKA, INC.)
SV1	SHALLOW SOIL VAPOR PROBE LOCATION

**NOTES:**

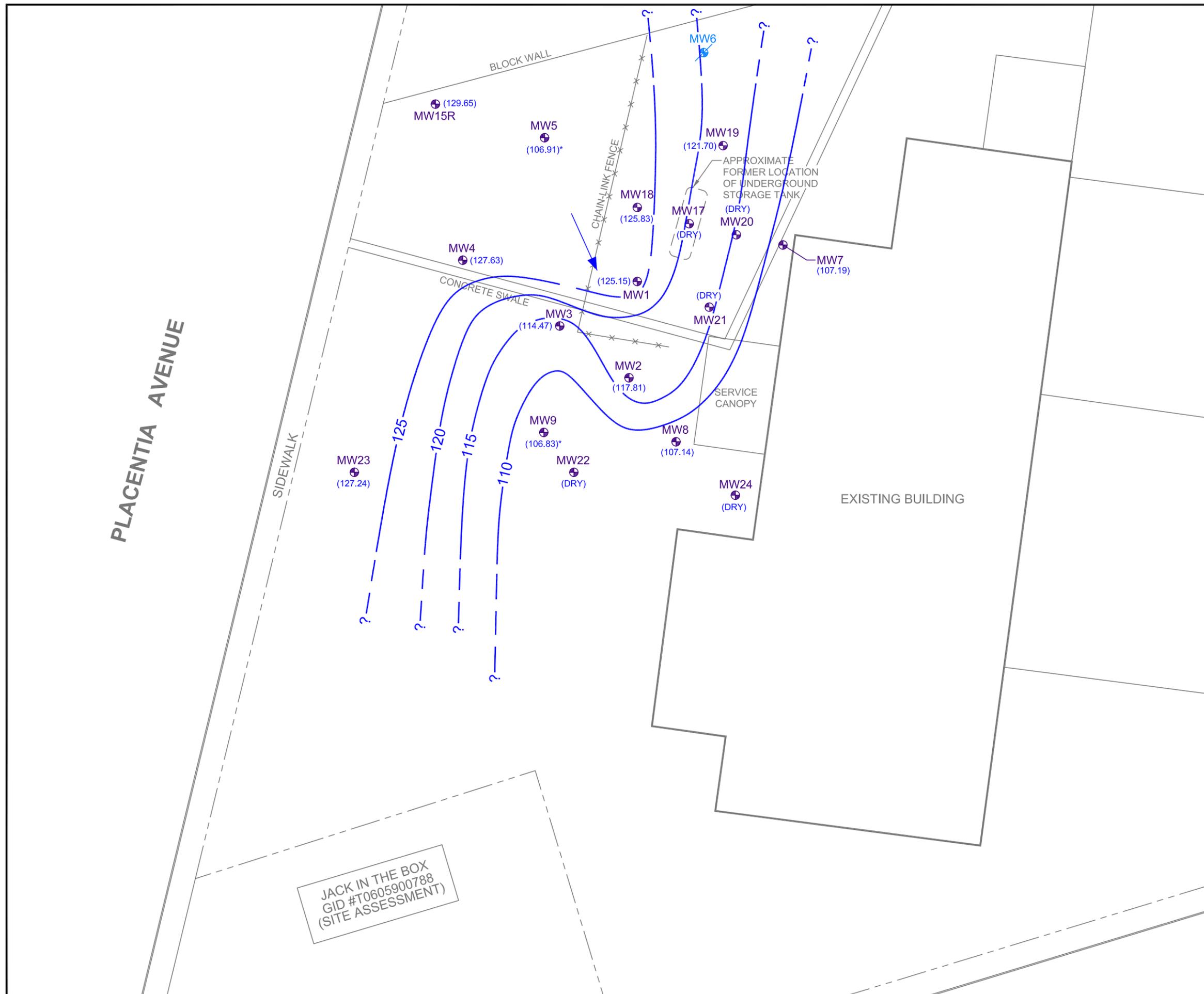
- All locations and dimensions are approximate.
- Site Sketch from SCS Engineers; Project # 11941284.09; Dated 4/2/07; Google Earth Areal Photo.

0 40 80  
 APPROXIMATE SCALE IN FEET

**SITE SKETCH SHOWING SOIL BORING, SOIL SAMPLE, SOIL VAPOR EXTRACTION WELL, INJECTION WELL, GROUNDWATER MONITORING WELL AND SHALLOW SOIL VAPOR PROBE LOCATIONS**

**BRIAN CHUCHUA JEEP**  
 777 WEST ORANGETHORPE AVENUE  
 PLACENTIA, CALIFORNIA

<b>FREY ENVIRONMENTAL, INC.</b>		
CLIENT: BRIAN CHUCHUA	PROJECT No.: 731-01	DATE: 08/2015
FILE NAME: 731-01-ST2.DWG		<b>FIGURE 3</b>

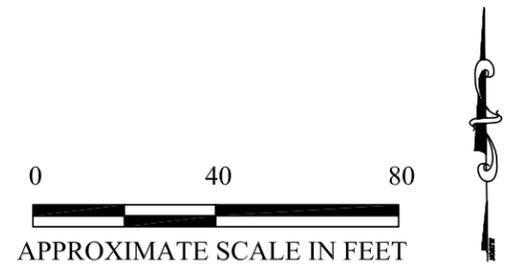


**LEGEND**

- MW1 GROUNDWATER MONITORING WELL LOCATION
- (129.65) GROUNDWATER ELEVATION IN FEET MSL ON APRIL 2 - 4, 2018; \*WELL HAD LESS THAN 1 FOOT OF WATER ON APRIL 2 - 4, 2018 AND WAS CONSIDERED TO BE DRY-NOT USED FOR CONTOURING; NM=NOT MEASURED; \*\*ANOMALOUS GROUNDWATER ELEVATION NOT USED FOR CONTOURING
- 125.00 CONTOUR OF EQUAL GROUNDWATER ELEVATION (IN FEET MSL, ON APRIL 2 - 4, 2018)
- ESTIMATED GROUNDWATER FLOW DIRECTION

**NOTES:**

1. All locations and dimensions are approximate.
2. Site Sketch from SCS Engineers; Project # 11941284.09; Dated 4/2/07; Google Earth Aerial Photo.
3. Top of casing elevations for off-site wells associated with Jack in the Box from January 2000 Groundwater Monitoring Report from SCS Engineers dated 1/14/2000. Wells have not been resurveyed by FREY and, therefore, calculated Groundwater Elevations were not used for contouring.

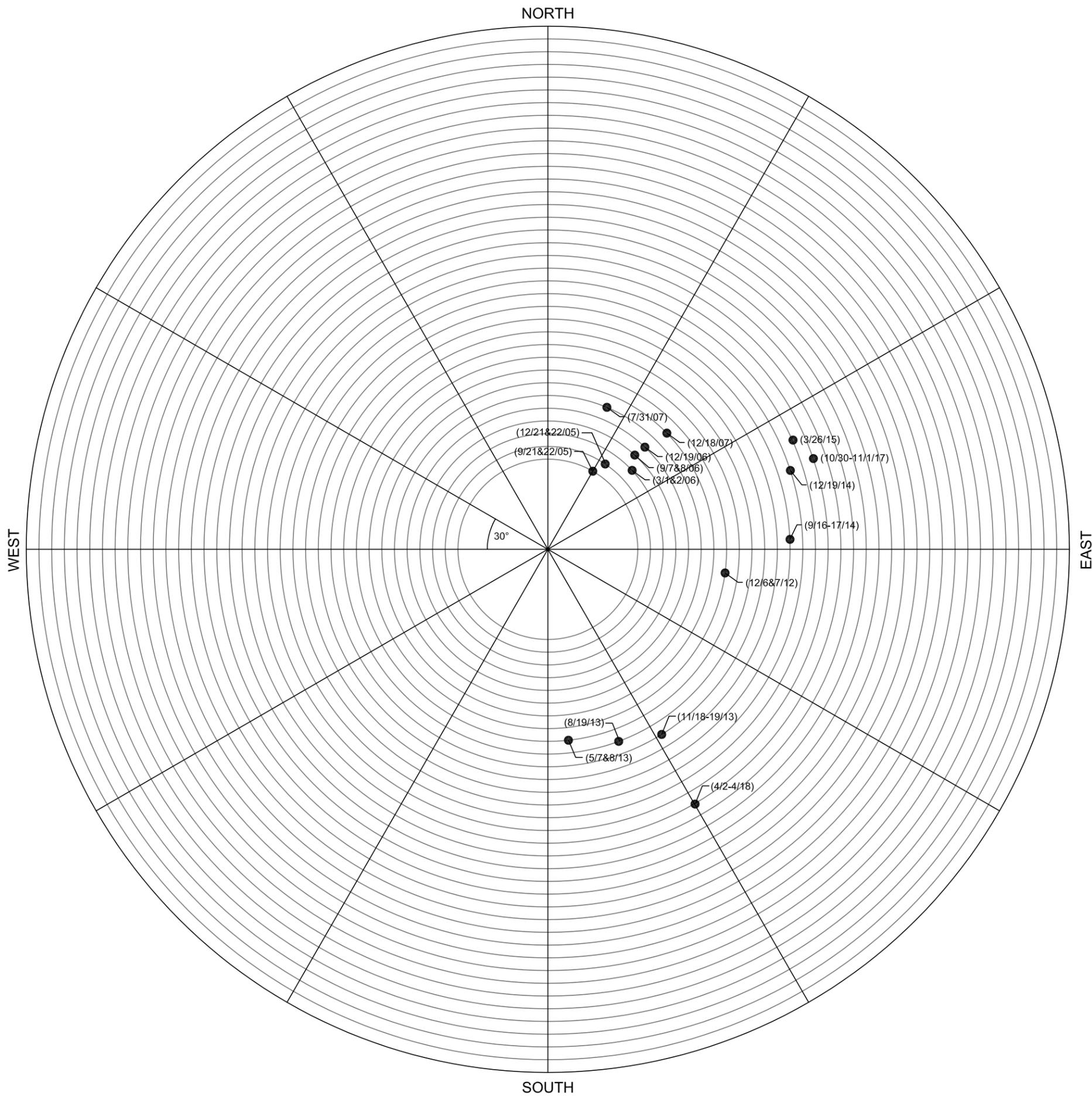


**SITE SKETCH SHOWING GROUNDWATER WELLS SCREENED IN THE SEMI-PERCHED ZONE AND GROUNDWATER ELEVATIONS ON APRIL 2 - 4, 2018**

**BRIAN CHUCHUA JEEP**  
 777 WEST ORANGETHORPE AVENUE  
 PLACENTIA, CALIFORNIA

**FREY ENVIRONMENTAL, INC.**

CLIENT: BRIAN CHUCHUA	PROJECT No.: 731-01	DATE: 04/2018
FILE NAME: 731-01-Q1-18.DWG		<b>FIGURE 4</b>



**LEGEND**

● ESTIMATED GROUNDWATER FLOW DIRECTION

(4/2-4/18) WITH DATE OF ESTIMATED GROUNDWATER FLOW DIRECTION

**NOTES:**

1. During First Quarter 2014, the groundwater flow direction was not estimated because groundwater was only encountered in two of the five groundwater monitoring wells, monitored on 3/14/2014.

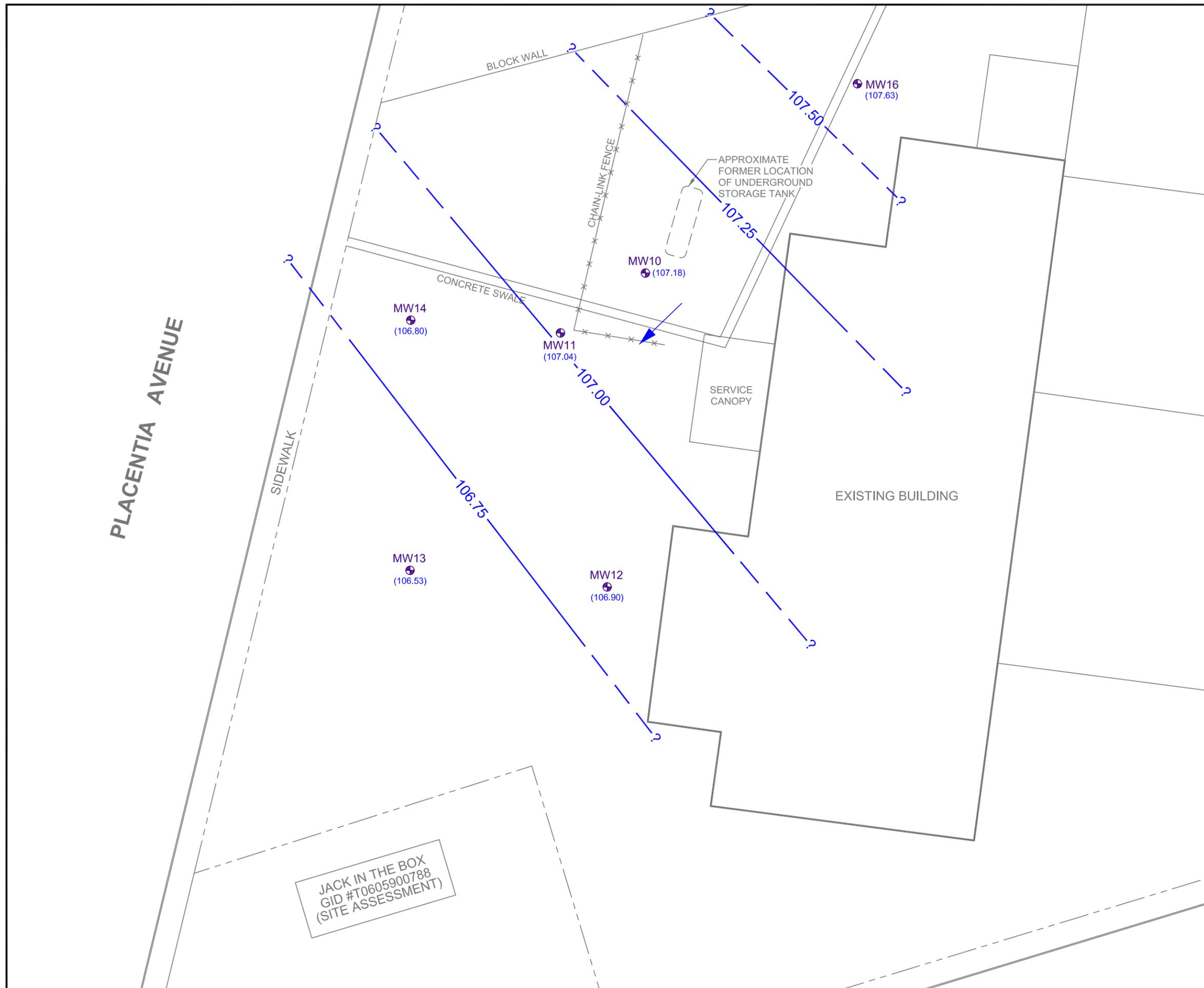
**ROSE DIAGRAM SHOWING HISTORIC GROUNDWATER FLOW DIRECTIONS (SEMI-PERCHED ZONE)**

**BRIAN CHUCHUA JEEP**  
 777 WEST ORANGETHORPE AVENUE  
 PLACENTIA, CALIFORNIA

**FREY ENVIRONMENTAL, INC.**

CLIENT: BRIAN CHUCHUA	PROJECT No.: 731-01	DATE: 04/2018
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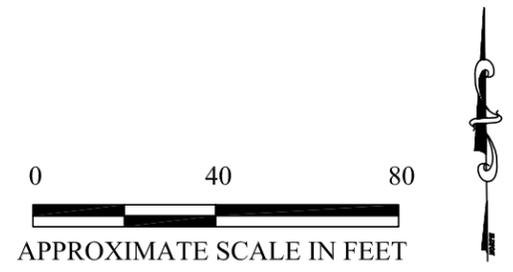
FILE NAME: 731-01-RD1.DWG	<b>FIGURE 5</b>
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**LEGEND**

- MW1 GROUNDWATER MONITORING WELL LOCATION
- (107.63) GROUNDWATER ELEVATION IN FEET MSL ON APRIL 2 - 4, 2018
- 107.50 — CONTOUR OF EQUAL GROUNDWATER ELEVATION (IN FEET MSL, ON APRIL 2 - 4, 2018)
- ESTIMATED GROUNDWATER FLOW DIRECTION

- NOTES:**
- All locations and dimensions are approximate.
  - Site Sketch from SCS Engineers; Project # 11941284.09; Dated 4/2/07; Google Earth Aerial Photo.



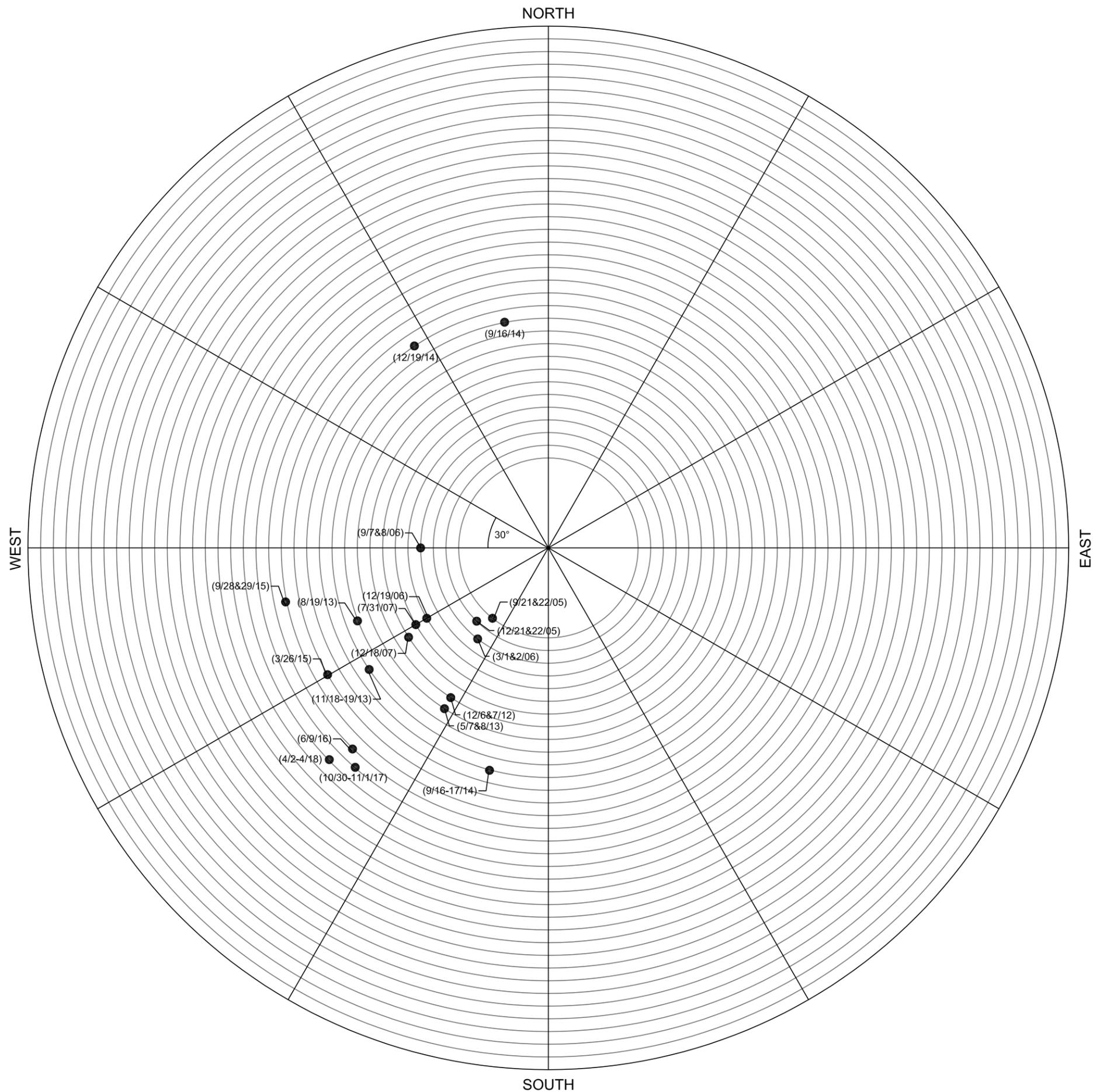
**SITE SKETCH SHOWING  
GROUNDWATER WELLS SCREENED INTO THE  
TALBERT AQUIFER AND GROUNDWATER  
ELEVATIONS ON  
APRIL 2 - 4, 2018**

**BRIAN CHUCHUA JEEP**  
777 WEST ORANGETHORPE AVENUE  
PLACENTIA, CALIFORNIA

**FREY ENVIRONMENTAL, INC.**

CLIENT: BRIAN CHUCHUA	PROJECT No.: 731-01	DATE: 04/2018
FILE NAME: 731-01-Q1-18.DWG		<b>FIGURE 6</b>

JACK IN THE BOX  
GID #T0605900788  
(SITE ASSESSMENT)



**LEGEND**

- ESTIMATED GROUNDWATER FLOW DIRECTION
- (4/2-4/18) WITH DATE OF ESTIMATED GROUNDWATER FLOW DIRECTION

**ROSE DIAGRAM SHOWING HISTORIC GROUNDWATER FLOW DIRECTIONS (TALBERT AQUIFER ZONE)**

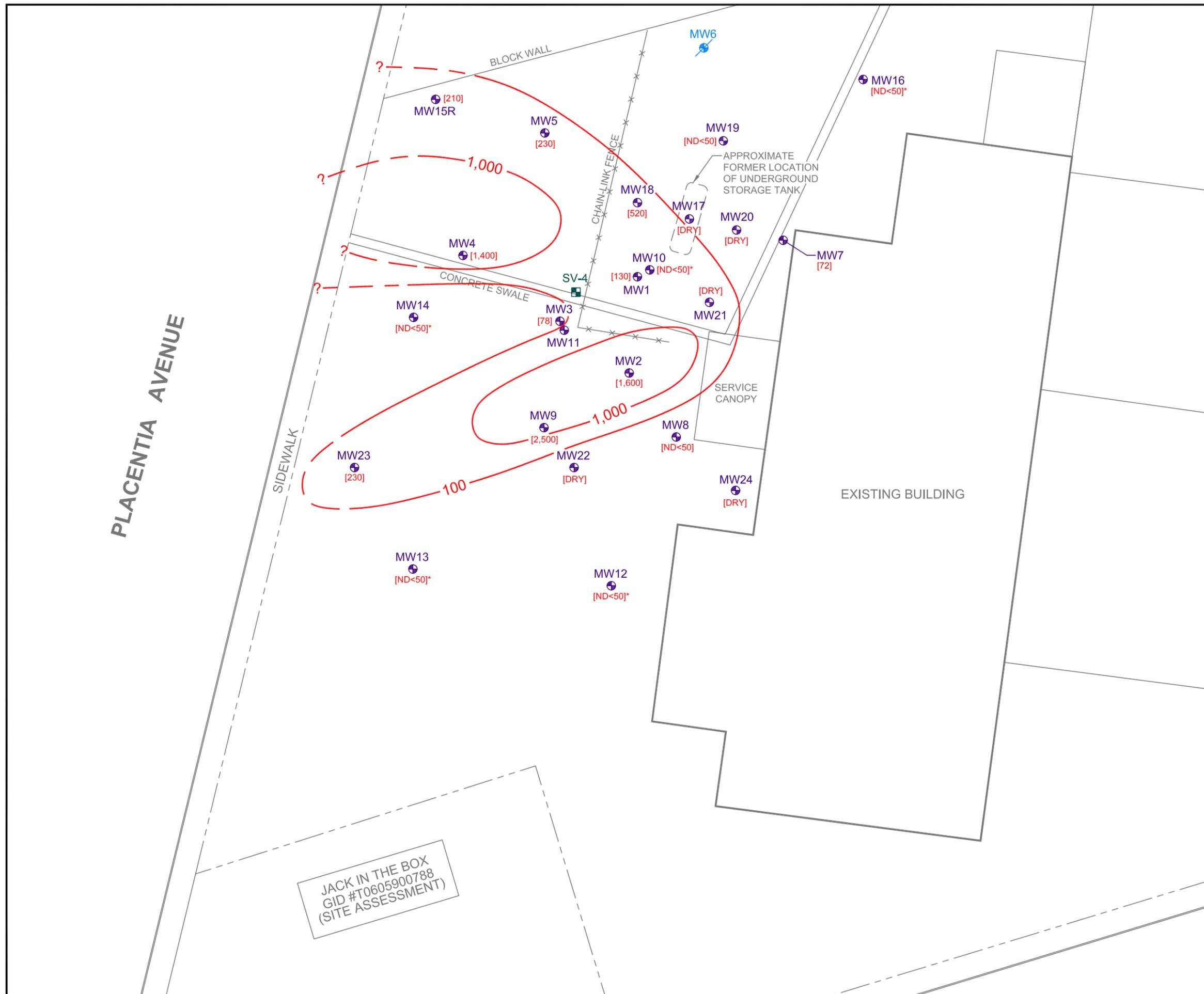
**BRIAN CHUCHUA JEEP**  
 777 WEST ORANGETHORPE AVENUE  
 PLACENTIA, CALIFORNIA

**FREY ENVIRONMENTAL, INC.**

CLIENT: BRIAN CHUCHUA	PROJECT No.: 731-01	DATE: 04/2018
--------------------------	------------------------	------------------

FILE NAME:  
731-01-RD2.DWG

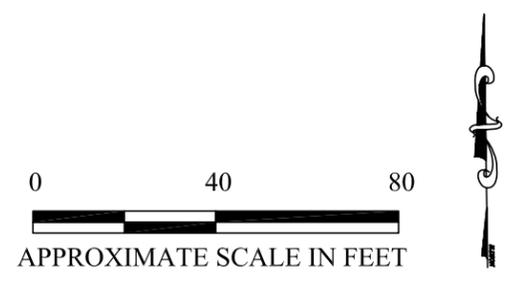
**FIGURE 7**



**LEGEND**

- MW1 GROUNDWATER MONITORING WELL LOCATION
- MW6 ABANDONED GROUNDWATER MONITORING WELL LOCATION
- SV-4 SOIL VAPOR EXTRACTION WELL LOCATION
- [2,500] WITH TPH CONCENTRATION IN GROUNDWATER IN µg/L ON APRIL 2 - 4, 2018; ND=NOT DETECTED ABOVE LABORATOR DETECTION LIMIT; NS=NOT SAMPLED
- \* DEEPER SCREENED WELLS NOT USED FOR CONTOURS
- 1,000 — CONTOUR OF EQUAL TPH CONCENTRATION IN GROUNDWATER (IN µg/L, ON APRIL 2 - 4, 2018)

- NOTES:**
- All locations and dimensions are approximate.
  - Site Sketch from SCS Engineers; Project # 11941284.09; Dated 4/2/07; Google Earth Aerial Photo.

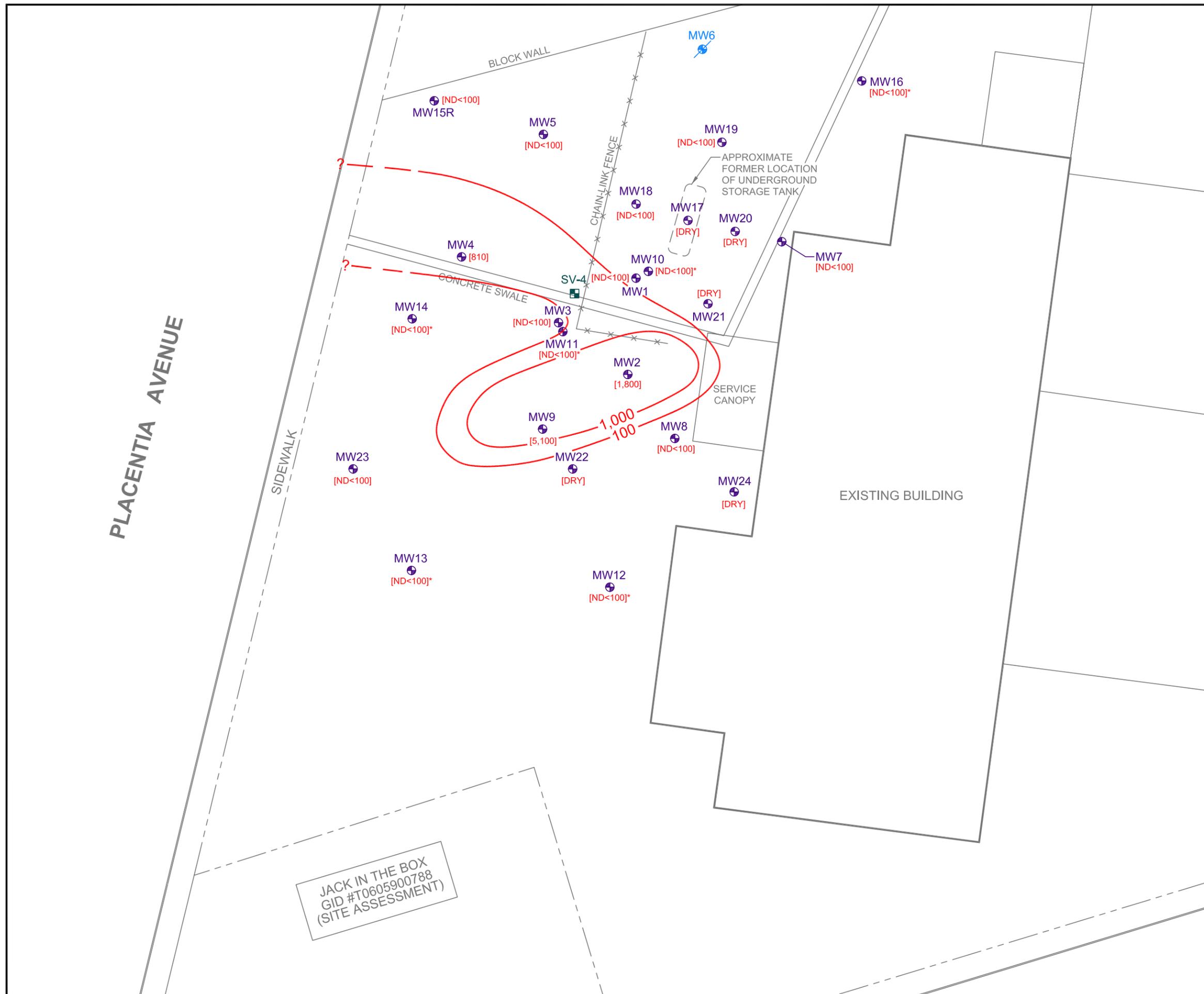


**SITE SKETCH SHOWING  
TPPH CONCENTRATIONS IN GROUNDWATER  
WITHIN THE SHALLOW SEMI-PERCHED  
ZONE ON APRIL 2 - 4, 2018**

**BRIAN CHUCHUA JEEP**  
777 WEST ORANGETHORPE AVENUE  
PLACENTIA, CALIFORNIA

<b>FREY ENVIRONMENTAL, INC.</b>		
CLIENT: BRIAN CHUCHUA	PROJECT No.: 731-01	DATE: 04/2018
FILE NAME: 731-01-Q1-18.DWG	<b>FIGURE 8</b>	

JACK IN THE BOX  
GID #T0605900788  
(SITE ASSESSMENT)



**LEGEND**

- MW1 GROUNDWATER MONITORING WELL LOCATION
- MW6 ABANDONED GROUNDWATER MONITORING WELL LOCATION
- SV-4 SOIL VAPOR EXTRACTION WELL LOCATION
- [5,100] WITH TPH-d CONCENTRATION IN GROUNDWATER IN µg/L ON APRIL 2 - 4, 2018; ND=NOT DETECTED ABOVE LABORATORY DETECTION LIMIT; NS=NOT SAMPLED; NA=NOT ANALYZED
- \* DEEPER SCREENED WELLS NOT USED FOR CONTOURS
- 1,000 — CONTOUR OF EQUAL TPH-d CONCENTRATION IN GROUNDWATER (IN µg/L, ON APRIL 2 - 4, 2018)

**NOTES:**

1. All locations and dimensions are approximate.
2. Site Sketch from SCS Engineers; Project # 11941284.09; Dated 4/2/07; Google Earth Aerial Photo.



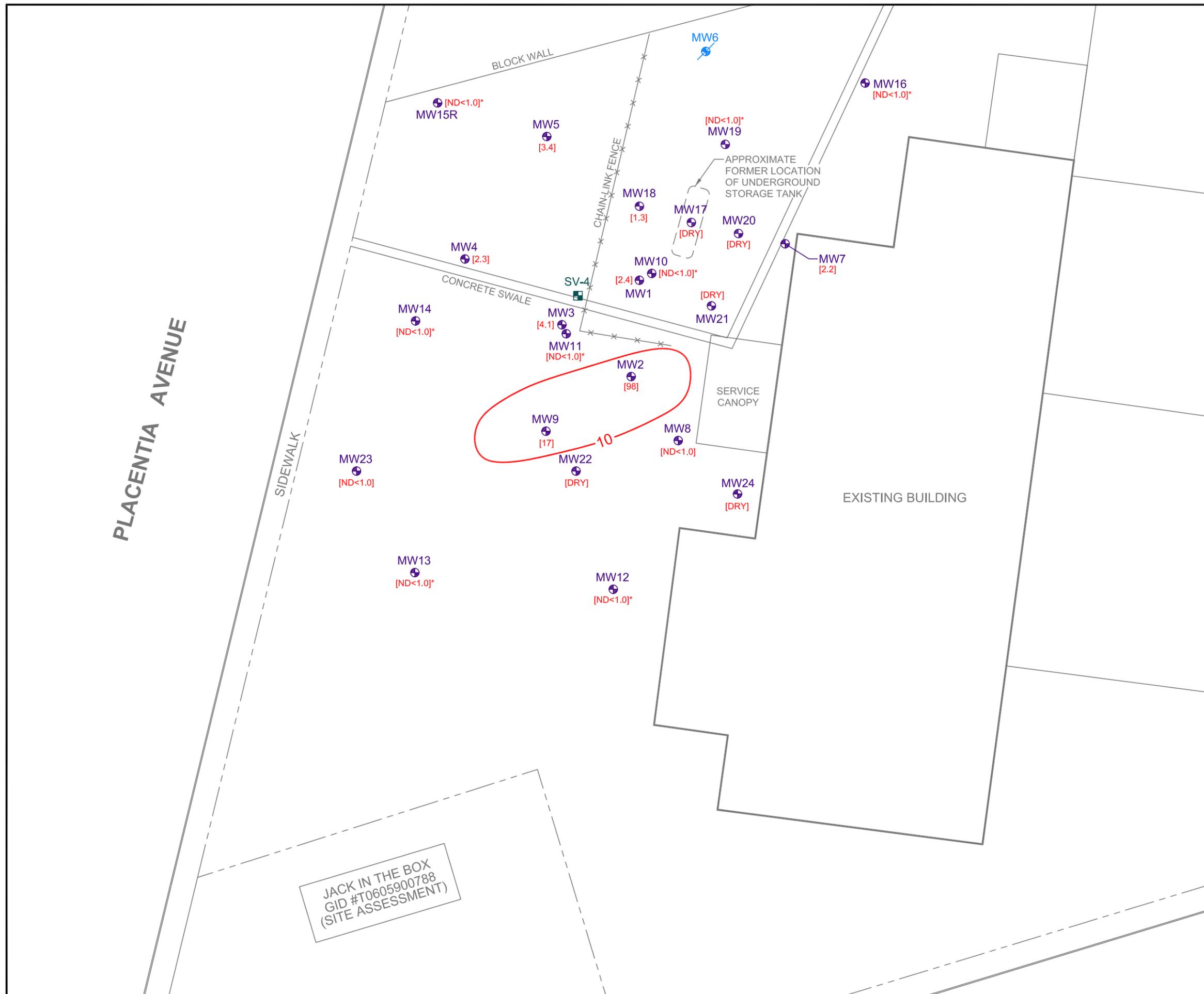
**SITE SKETCH SHOWING  
TPH-d CONCENTRATIONS IN GROUNDWATER  
WITHIN THE SHALLOW SEMI-PERCHED  
ZONE ON APRIL 2 - 4, 2018**

**BRIAN CHUCHUA JEEP  
777 WEST ORANGETHORPE AVENUE  
PLACENTIA, CALIFORNIA**

**FREY ENVIRONMENTAL, INC.**

CLIENT: BRIAN CHUCHUA	PROJECT No.: 731-01	DATE: 04/2018
FILE NAME: 731-01-Q1-18.DWG		<b>FIGURE 9</b>

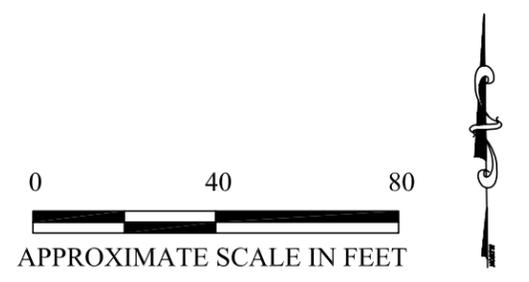
JACK IN THE BOX  
GID #T0605900788  
(SITE ASSESSMENT)



**LEGEND**

- MW1 GROUNDWATER MONITORING WELL LOCATION
- MW6 ABANDONED GROUNDWATER MONITORING WELL LOCATION
- SV-4 SOIL VAPOR EXTRACTION WELL LOCATION
- [98] WITH BENZENE CONCENTRATION IN GROUNDWATER IN µg/L ON APRIL 2 - 4, 2018; ND=NOT DETECTED ABOVE LABORATORY DETECTION LIMIT; NS=NOT SAMPLED
- \* DEEPER SCREENED WELLS NOT USED FOR CONTOURS
- 10 CONTOUR OF EQUAL BENZENE CONCENTRATION IN GROUNDWATER (IN µg/L, ON APRIL 2 - 4, 2018)

- NOTES:**
- All locations and dimensions are approximate.
  - Site Sketch from SCS Engineers; Project # 11941284.09; Dated 4/2/07; Google Earth Aerial Photo.

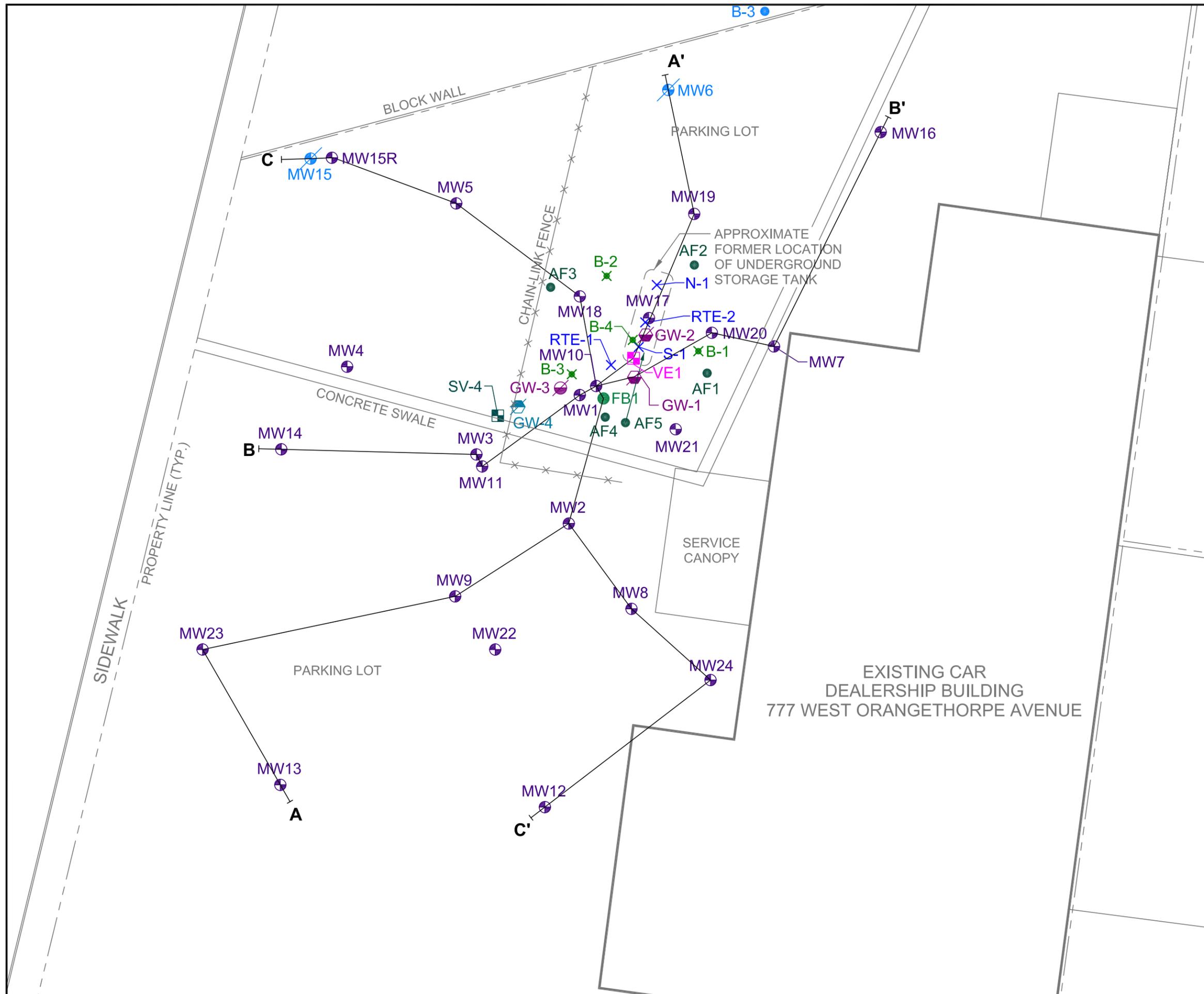


**SITE SKETCH SHOWING BENZENE CONCENTRATIONS IN GROUNDWATER WITHIN THE SHALLOW SEMI-PERCHED ZONE ON APRIL 2 - 4, 2018**

**BRIAN CHUCHUA JEEP**  
 777 WEST ORANGETHORPE AVENUE  
 PLACENTIA, CALIFORNIA

<b>FREY ENVIRONMENTAL, INC.</b>		
CLIENT: BRIAN CHUCHUA	PROJECT No.: 731-01	DATE: 04/2018
FILE NAME: 731-01-Q1-18.DWG	<b>FIGURE 10</b>	

JACK IN THE BOX  
 GID #T0605900788  
 (SITE ASSESSMENT)

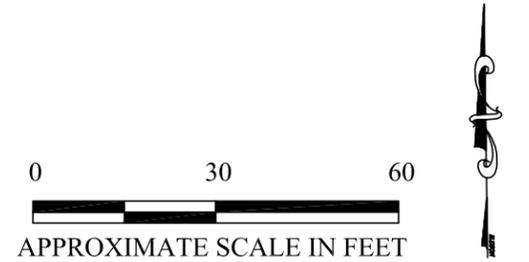


**LEGEND**

- MW1 GROUNDWATER MONITORING WELL LOCATION
- MW6 ABANDONED GROUNDWATER MONITORING WELL LOCATION
- SV-4 SOIL VAPOR EXTRACTION WELL LOCATION (ROBINSON)
- FB1 SOIL BORING WELL LOCATION
- MW21 GROUNDWATER MONITORING WELL LOCATION
- N-1 SOIL SAMPLE LOCATION
- AF1 SOIL BORING LOCATION (GEORESEARCH)
- AF5 SLANT SOIL BORING LOCATION (GEORESEARCH)
- GW-1 ABANDONED VAPOR EXTRACTION WELL LOCATION (GEORESEARCH / ROBINSON)
- GW-3 ABANDONED SOIL BORING LOCATION (GEORESEARCH / ROBINSON)
- GW-4 ADANDONED INJECTION WELL LOCATION (ROBINSON)
- B-3 CONFIRMATION SOIL BORING LOCATION (EBS)
- B-1 GEOTECHNICAL SOIL BORING (GEOETKA, INC.)
- VE1 VAPOR EXTRACTION WELL LOCATION (FREY)
- A-A' SUBSURFACE GEOLOGIC SECTION LOCATION

**NOTES:**

1. All locations and dimensions are approximate.
2. Site Sketch from SCS Engineers; Project # 11941284.09; Dated 4/2/07; Google Earth Areal Photo.



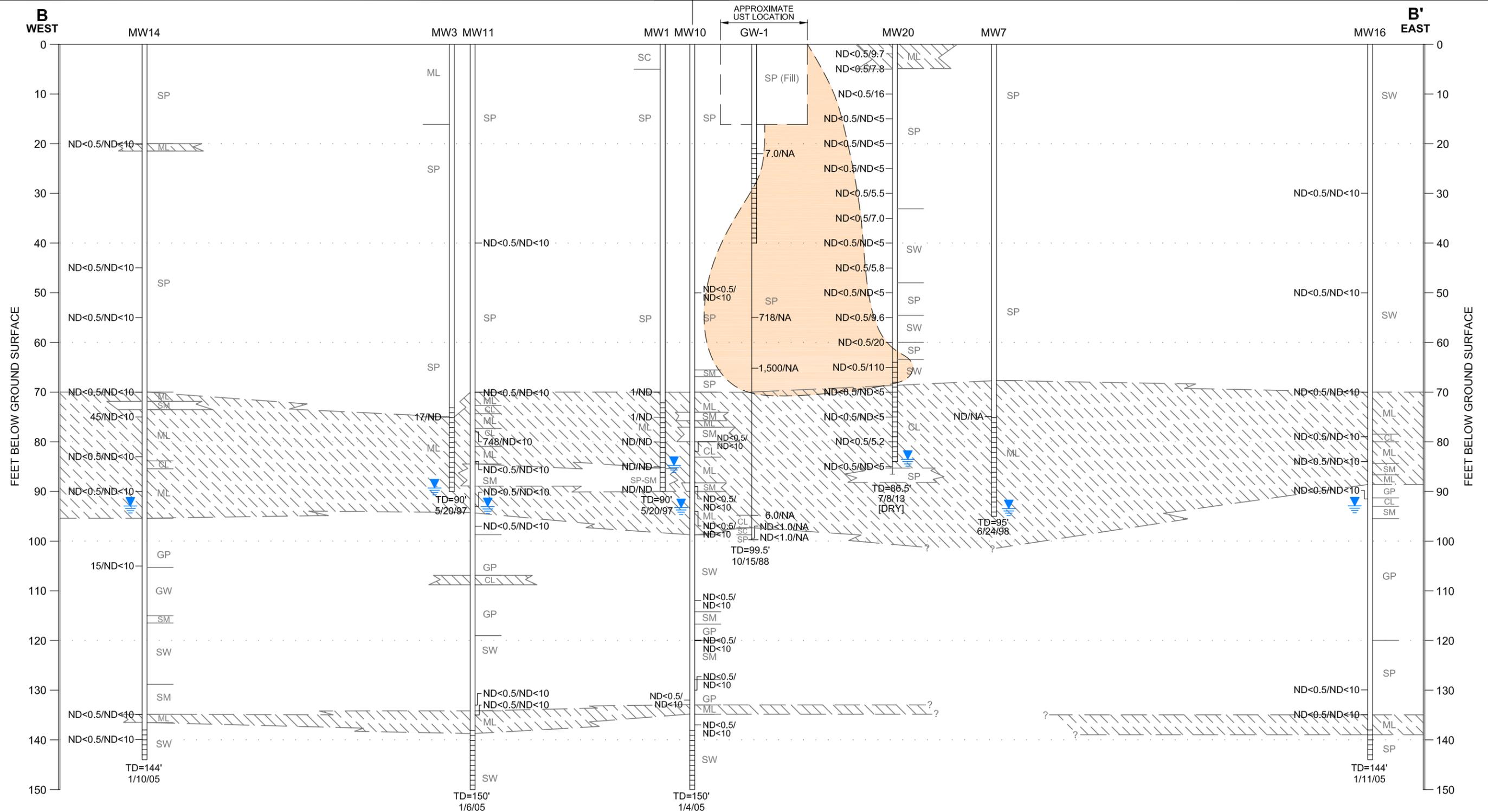
**SITE SKETCH SHOWING SUBSURFACE GEOLOGIC SECTION LOCATIONS A-A', B-B' AND C-C'**

**BRIAN CHUCHUA JEEP**  
777 WEST ORANGETHORPE AVENUE  
PLACENTIA, CALIFORNIA

**FREY ENVIRONMENTAL, INC.**

CLIENT: BRIAN CHUCHUA	PROJECT No.: 731-01	DATE: 04/2018
FILE NAME: 731-01-ST.DWG		<b>FIGURE 11</b>





**LEGEND**

45/ND<10 CONCENTRATION OF TPHg/TPHd ( in mg/kg  
<0.5 = NOT DETECTED ABOVE LABORATORY  
DETECTION LIMIT)

NA NOT ANALYZED  
NS NOT SAMPLED

SP POORLY GRADED SAND  
SM SILTY SAND  
SC CLAYEY SAND

ML SILT  
CL CLAY



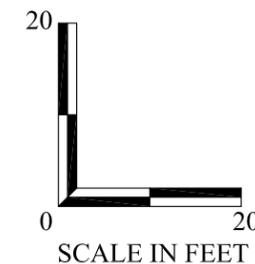
DEPTH TO WATER  
(APRIL 2-4, 2018)



APPROXIMATE LIMITS OF  
TPHg/TPHd CONCENTRATIONS  
>100 mg/kg

**NOTES:**

1. USCS DESCRIPTIONS ARE BASED ON FIELD CLASSIFICATIONS.
2. THE SUBSURFACE CONDITIONS SHOWN ARE FOR THE BORING LOCATIONS ONLY. SUBSURFACE CONDITIONS BETWEEN BORINGS MAY BE DIFFERENT THAN SHOWN.
3. SEE BORING LOGS FOR ADDITIONAL DETAILS.



**SUBSURFACE GEOLOGIC  
SECTION B-B' SHOWING TPHg/TPHd  
SAMPLE RESULTS**

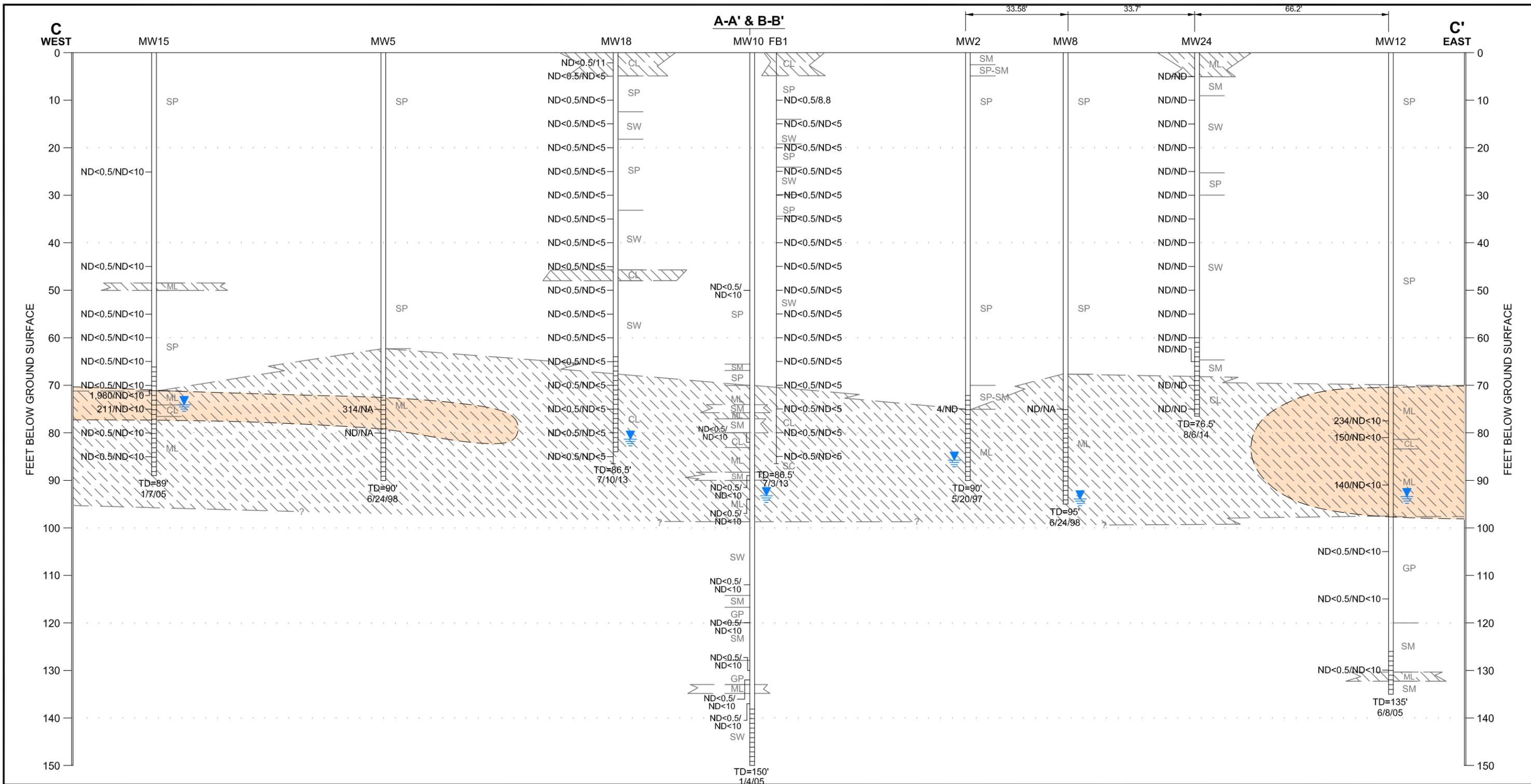
**BRIAN CHUCHUA JEEP**  
777 WEST ORANGETHORPE AVENUE  
PLACENTIA, CALIFORNIA

**FREY ENVIRONMENTAL, INC.**

CLIENT: BRIAN CHUCHUA PROJECT No.: 731-01 DATE: 04/2018

FILE NAME: 731-01-X-SEC-Q1-18.DWG

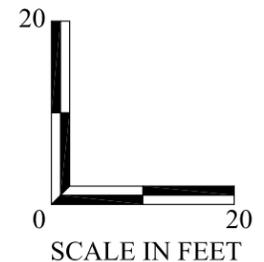
**FIGURE 13**



**LEGEND**

1,980/ND<10	CONCENTRATION OF TPHg/TPHd ( in mg/kg <0.5 = NOT DETECTED ABOVE LABORATORY DETECTION LIMIT)		DEPTH TO WATER (APRIL 2-4, 2018)
NA	NOT ANALYZED		INITIALLY ENCOUNTERED DEPTH TO WATER ON (DATE)
NS	NOT SAMPLED		APPROXIMATE LIMITS OF TPHg/TPHd CONCENTRATIONS >100 mg/kg
	SP POORLY GRADED SAND		
	SM SILTY SAND		
	SC CLAYEY SAND		
	ML SILT		
	CL CLAY		

- NOTES:**
1. USCS DESCRIPTIONS ARE BASED ON FIELD CLASSIFICATIONS.
  2. THE SUBSURFACE CONDITIONS SHOWN ARE FOR THE BORING LOCATIONS ONLY. SUBSURFACE CONDITIONS BETWEEN BORINGS MAY BE DIFFERENT THAN SHOWN.
  3. SEE BORING LOGS FOR ADDITIONAL DETAILS.



**SUBSURFACE GEOLOGIC SECTION C-C' SHOWING TPHg/TPHd SAMPLE RESULTS**

**BRIAN CHUCHUA JEEP**  
777 WEST ORANGETHORPE AVENUE  
PLACENTIA, CALIFORNIA

**FREY ENVIRONMENTAL, INC.**

CLIENT: BRIAN CHUCHUA	PROJECT No.: 731-01	DATE: 04/2018
FILE NAME: 731-01-X-SEC-Q1-18.DWG		<b>FIGURE 14</b>

PLACENTIA AVENUE

SIDEWALK

PROPERTY LINE (TYP.)

BLOCK WALL

CHAIN FENCE

MW15R	
SD	PCE
59-79	583.36

SD	PCE
64-84	508.74

SD	PCE
64-84	569.79

SD	PCE
70-90	217.06

SD	PCE
15-35	590.14
50-65	657.97

MW9	
SD	PCE
75-95	101.75

APPROXIMATE FORMER LOCATION OF FUEL UST

SERVICE CANOPY

APPROXIMATE FORMER LOCATION OF WASTE OIL UST

TRENCH DRAIN

SERVICE AREAS

**LEGEND**

- MW1  GROUNDWATER MONITORING WELL LOCATION
- VE1  SOIL VAPOR EXTRACTION WELL LOCATION

WITH WELL SCREEN DEPTH (SD) IN FEET BELOW GROUND SURFACE (BGS) AND MAXIMUM CONCENTRATION OF TETRACHLOROETHENE (PCE) IN MICROGRAMS PER CUBIC METER (ug/m<sup>3</sup>) DETECTED IN SOIL VAPOR COLLECTED ON OCTOBER 13, 14, AND 15, 2015 DURING VAPOR EXTRACTION REBOUND TESTING

**NOTES:**

- 1. All locations and dimensions are approximate.



**SITE SKETCH SHOWING PCE IN SOIL VAPOR ON OCTOBER 13, 14, AND 15, 2015**

777 WEST ORANGETHORPE AVENUE  
PLACENTIA, CALIFORNIA

**FREY ENVIRONMENTAL, INC.**

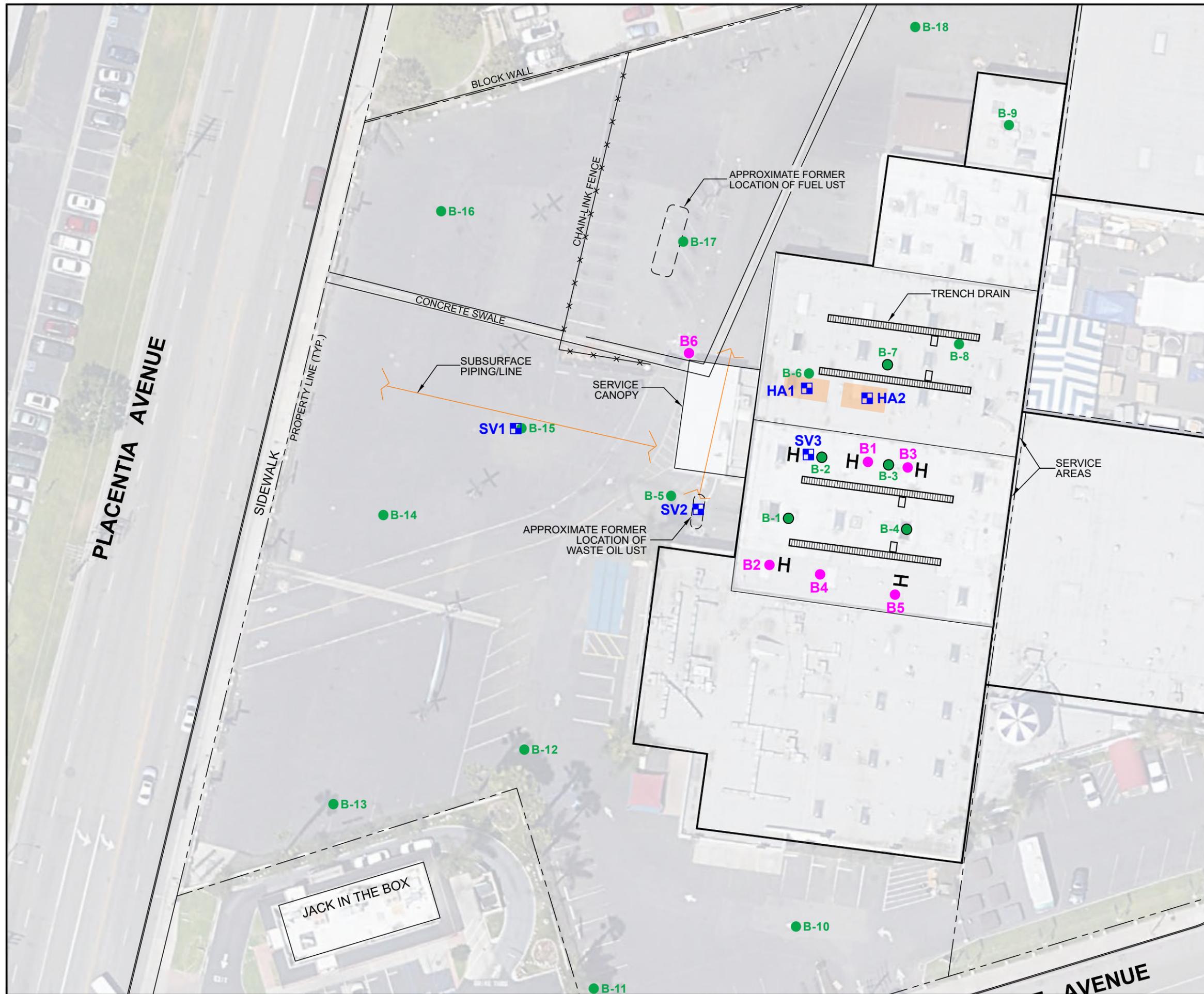
CLIENT:	PROJECT No.:	DATE:
	1121-01	10/2021

FILE NAME:  
1121 -01-PCE.AI

**FIGURE 15**

AVENUE

JACK IN THE BOX



**LEGEND**

- H** HOIST LOCATION
- HA** SUBSURFACE ANOMALY AT APPROXIMATELY 4FT BGS
- B-7** 5-FT SOIL & SOIL GAS SAMPLING LOCATION (TETRA TECH, 2021)
- B-18** 5-FT SOIL GAS SAMPLING LOCATION (TETRA TECH, 2021)
- SV3** TRIPLE-NESTED SOIL VAPOR PROBE LOCATION (FREY, 2021)
- B5** SOIL BORING LOCATION (FREY, 2021)

**NOTES:**

- All locations and dimensions are approximate.

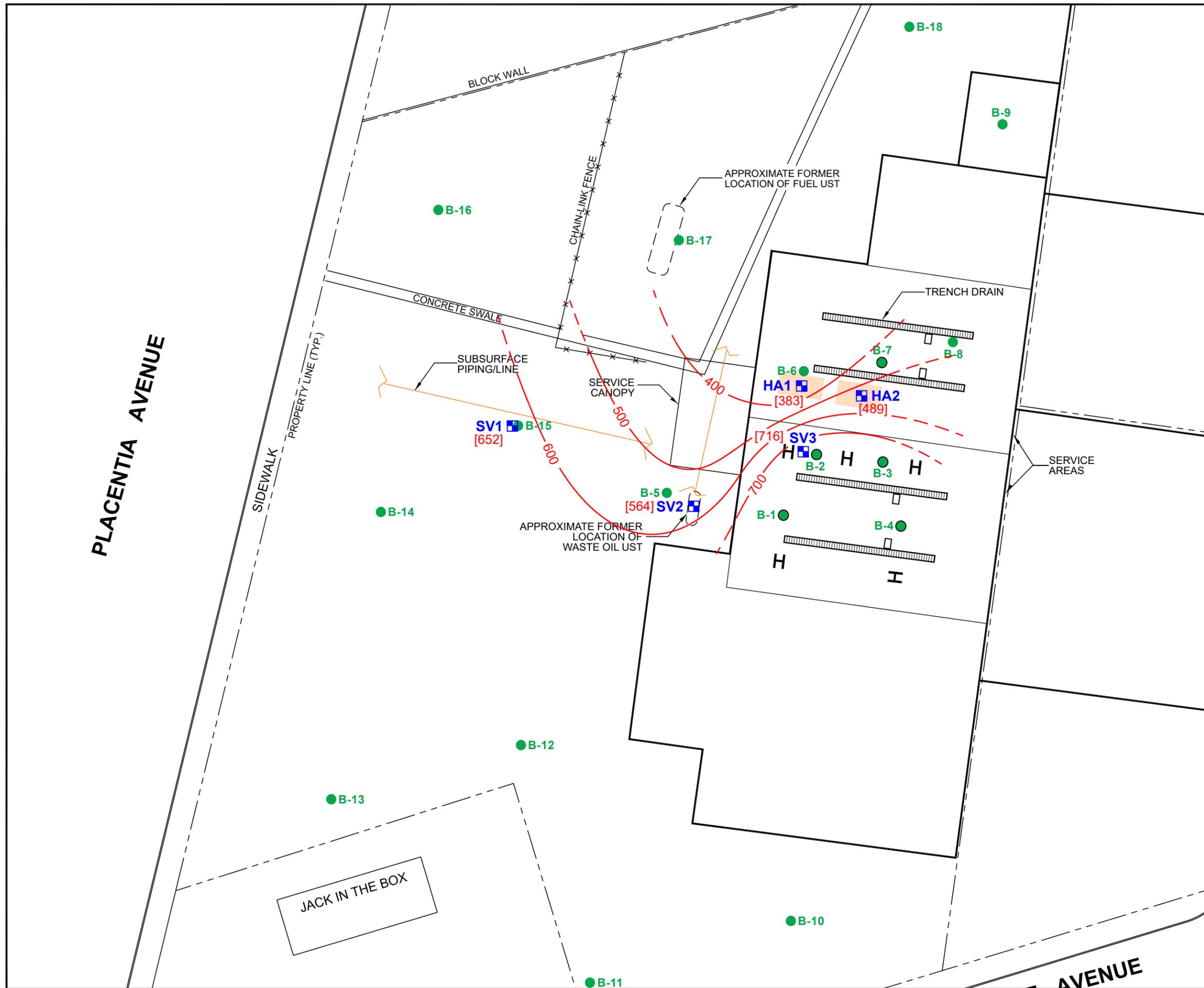
0 40 80  
 APPROXIMATE SCALE IN FEET

**SITE SKETCH SHOWING SOIL AND SOIL GAS SAMPLING, SOIL BORING AND SOIL VAPOR PROBE LOCATIONS**

777 WEST ORANGETHORPE AVENUE  
 PLACENTIA, CALIFORNIA

**FREY ENVIRONMENTAL, INC.**

CLIENT:	PROJECT No.: 1121-01	DATE: 09/2021
FILE NAME: 1121-01-SK.AI	<b>FIGURE 16</b>	



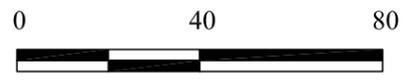
**LEGEND**

- H** HOIST LOCATION
-  SUBSURFACE ANOMALY AT APPROXIMATELY 4FT BGS
- B-7** ● 5-FT SOIL & SOIL GAS SAMPLING LOCATION (TETRA TECH, 2021)
- B-18** ● 5-FT SOIL GAS SAMPLING LOCATION (TETRA TECH, 2021)
- SV3** ■ TRIPLE-NESTED SOIL VAPOR PROBE LOCATION (FREY, 2021)
- [716]** WITH PCE CONCENTRATION IN SOIL VAPOR AT 5 FT BGS IN  $\mu\text{g}/\text{m}^3$  ON SEPTEMBER 2, 2021
- 700** ESTIMATED CONTOUR OF EQUAL PCE CONCENTRATION IN SOIL VAPOR AT 5 FT BGS IN  $\mu\text{g}/\text{m}^3$  SEPTEMBER 2, 2021

**NOTES:**

- All locations and dimensions are approximate.





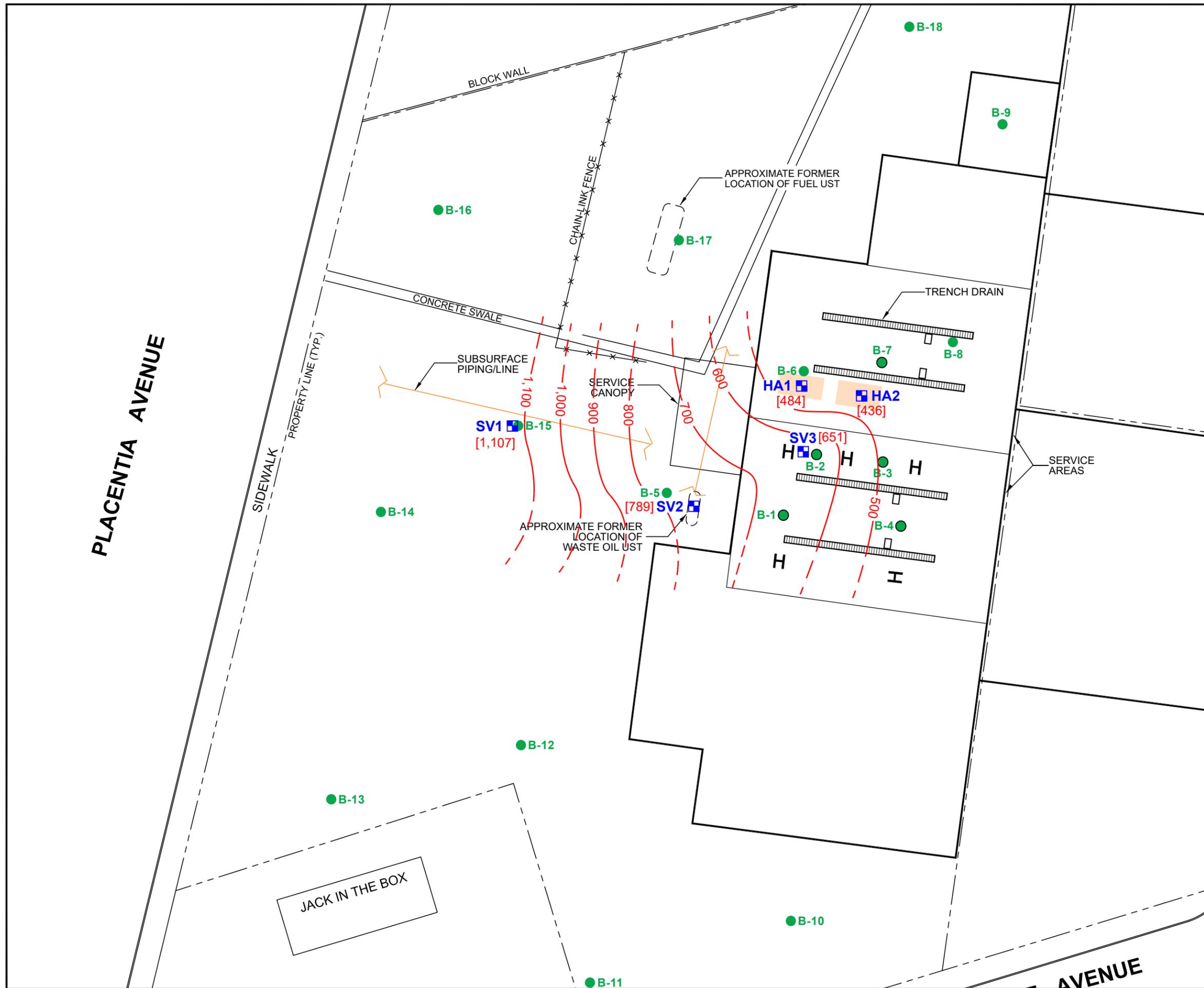
APPROXIMATE SCALE IN FEET

**SITE SKETCH SHOWING PCE IN SOIL VAPOR AT 5 FEET BGS ON SEPTEMBER 2, 2021**

777 WEST ORANGETHORPE AVENUE  
PLACENTIA, CALIFORNIA

**FREY ENVIRONMENTAL, INC.**

CLIENT:	PROJECT No.: 1121-01	DATE: 09/2021
FILE NAME: 1121-01-PCE.AI		<b>FIGURE 17</b>



**LEGEND**

- H** HOIST LOCATION
- SUBSURFACE ANOMALY AT APPROXIMATELY 4FT BGS
- B-7** ● 5-FT SOIL & SOIL GAS SAMPLING LOCATION (TETRA TECH, 2021)
- B-18** ● 5-FT SOIL GAS SAMPLING LOCATION (TETRA TECH, 2021)
- SV3** ■ TRIPLE-NESTED SOIL VAPOR PROBE LOCATION (FREY, 2021)
- [1,107]** WITH PCE CONCENTRATION IN SOIL VAPOR AT 15 FT BGS IN µg/m³ ON SEPTEMBER 2, 2021
- 1,000** ESTIMATED CONTOUR OF EQUAL PCE CONCENTRATION IN SOIL VAPOR AT 15 FT BGS IN µg/m³ SEPTEMBER 2, 2021

**NOTES:**

- All locations and dimensions are approximate.

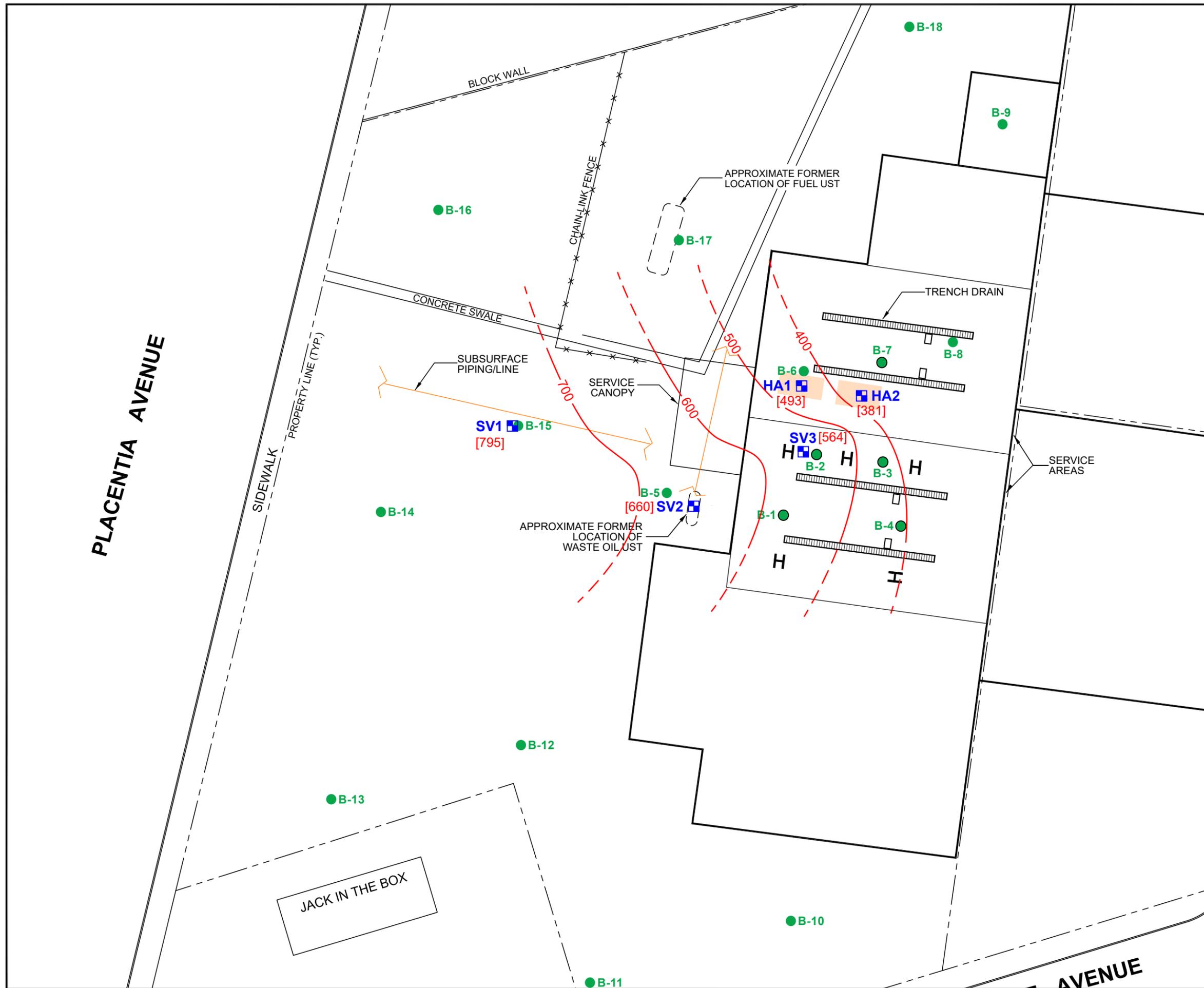
0 40 80  
  
 APPROXIMATE SCALE IN FEET

**SITE SKETCH SHOWING PCE IN SOIL VAPOR AT 15 FEET BGS ON SEPTEMBER 2, 2021**

777 WEST ORANGETHORPE AVENUE  
 PLACENTIA, CALIFORNIA

**FREY ENVIRONMENTAL, INC.**

CLIENT:	PROJECT No.: 1121-01	DATE: 09/2021
FILE NAME: 1121-01-PCE.AI	<b>FIGURE 18</b>	



- LEGEND**
- H** HOIST LOCATION
  - SUBSURFACE ANOMALY AT APPROXIMATELY 4FT BGS
  - B-7** ● 5-FT SOIL & SOIL GAS SAMPLING LOCATION (TETRA TECH, 2021)
  - B-18** ● 5-FT SOIL GAS SAMPLING LOCATION (TETRA TECH, 2021)
  - SV3** TRIPLE-NESTED SOIL VAPOR PROBE LOCATION (FREY, 2021)
  - [795]** WITH PCE CONCENTRATION IN SOIL VAPOR AT 30 FT BGS IN  $\mu\text{g}/\text{m}^3$  ON SEPTEMBER 2, 2021
  - ESTIMATED CONTOUR OF EQUAL PCE CONCENTRATION IN SOIL VAPOR AT 30 FT BGS IN  $\mu\text{g}/\text{m}^3$  SEPTEMBER 2, 2021

**NOTES:**

- All locations and dimensions are approximate.

0 40 80  
  
 APPROXIMATE SCALE IN FEET

**SITE SKETCH SHOWING PCE IN SOIL VAPOR AT 30 FEET BGS ON SEPTEMBER 2, 2021**

777 WEST ORANGETHORPE AVENUE  
 PLACENTIA, CALIFORNIA

**FREY ENVIRONMENTAL, INC.**

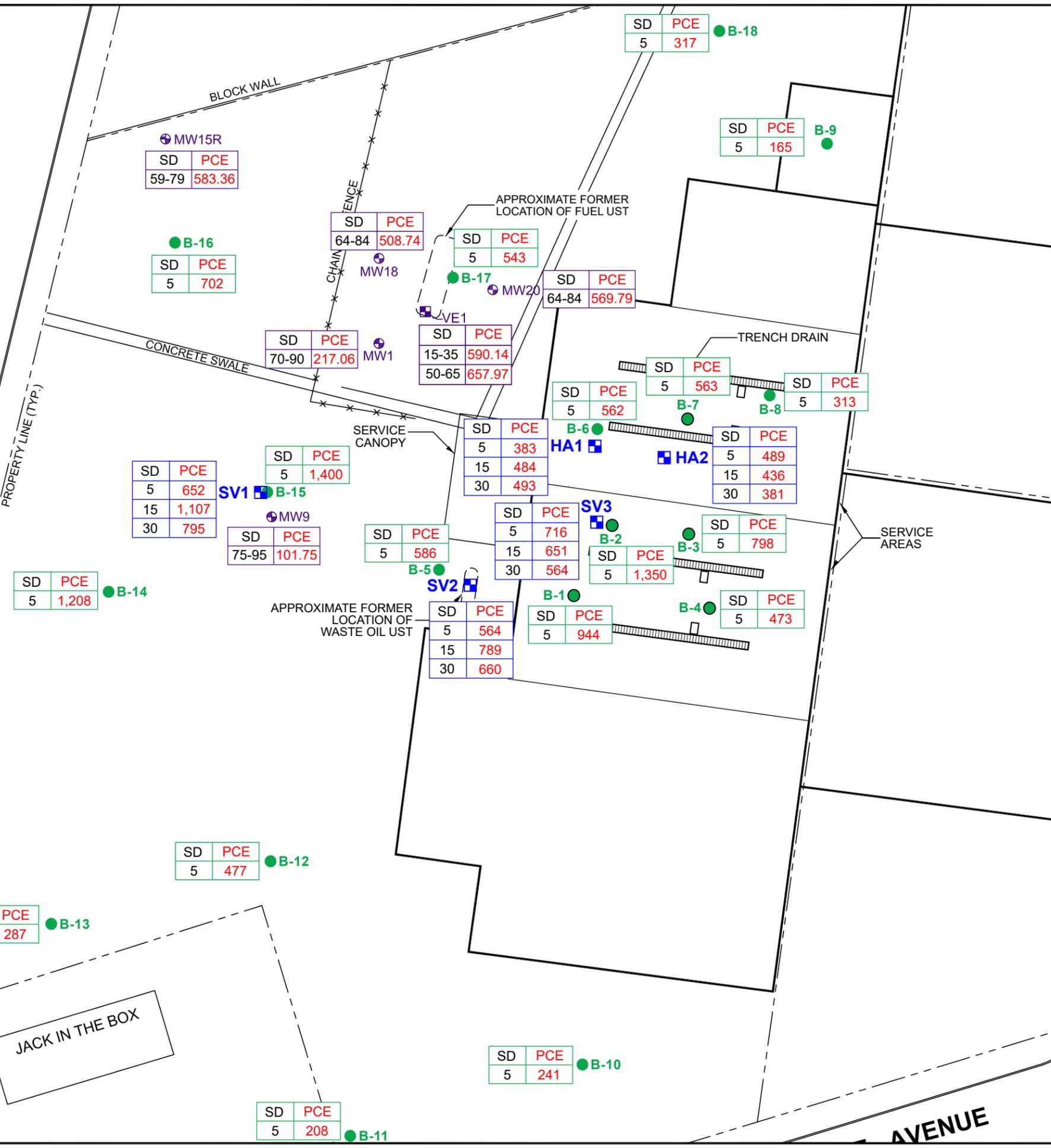
CLIENT:	PROJECT No.: 1121-01	DATE: 09/2021
FILE NAME: 1121-01-PCE.AI	<b>FIGURE 19</b>	

PLACENTIA AVENUE

SIDEWALK  
PROPERTY LINE (TYP.)

JACK IN THE BOX

AVENUE



### LEGEND

- MW1 GROUNDWATER MONITORING WELL SOIL VAPOR SAMPLING LOCATION (FREY - OCTOBER 2015)
- VE1 SOIL VAPOR EXTRACTION WELL SOIL VAPOR SAMPLING LOCATION (FREY - OCTOBER 2015)
- B-7 SOIL SOIL BORING SOIL VAPOR SAMPLING LOCATION (TETRA TECH - JULY 2021)
- B-18 SOIL SOIL BORING SOIL VAPOR SAMPLING LOCATION (TETRA TECH - JULY 2021)
- SV3 TRIPLE-NESTED SOIL VAPOR PROBE SOIL VAPOR SAMPLING LOCATION (FREY - SEPTEMBER 2021)

SD	PCE
70-90	217.06

WITH WELL SAMPLE DEPTH (SD) IN FEET BELOW GROUND SURFACE (BGS) AND MAXIMUM CONCENTRATION OF TETRACHLOROETHENE (PCE) IN MICROGRAMS PER CUBIC METER (ug/m<sup>3</sup>) DETECTED IN SOIL VAPOR COLLECTED ON OCTOBER 13, 14, AND 15, 2015, JULY 6, 2021, AND SEPTEMBER 2, 2021

### NOTES:

- All locations and dimensions are approximate.

APPROXIMATE SCALE IN FEET

**SITE SKETCH SHOWING PCE IN SOIL VAPOR ON OCTOBER 13, 14, AND 15, 2015, JULY 6, 2021, AND SEPTEMBER 2, 2021**

777 WEST ORANGETHORPE AVENUE  
PLACENTIA, CALIFORNIA

**FREY ENVIRONMENTAL, INC.**

CLIENT:	PROJECT No.: 1121-01	DATE: 10/2021
FILE NAME: 1121-01-PCE.AI	<b>FIGURE 20</b>	

**APPENDIX A**

**OCHCA NFA LETTER FOR THE SITE**



**REGULATORY/MEDICAL HEALTH SERVICES  
ENVIRONMENTAL HEALTH**

**RICHARD SANCHEZ**  
DIRECTOR

**STEVE THRONSON**  
DEPUTY AGENCY DIRECTOR  
REGULATORY/MEDICAL SERVICES

**CHRISTINE LANE, REHS**  
INTERIM DIRECTOR  
ENVIRONMENTAL HEALTH

1241 E. DYER ROAD, SUITE 120  
SANTA ANA, CA 92705  
TELEPHONE: (714) 433-6000  
FAX: (714) 754-1732  
E-MAIL: ehealth@ochca.com

July 1, 2019

Mr. Brian Chuchua  
290 South Mohler Drive  
Anaheim Hills, CA 92808

**Subject: Remedial Action Completion Certification**

**Re:** Underground Storage Tank (UST) Case  
Brian Chuchua Jeep  
777 West Orangethorpe Avenue  
Placentia, California  
OCHCA Case #88UT111

Dear Mr. Chuchua:

This letter confirms the completion of site investigation and corrective action for the underground storage tank(s) formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this Agency was accurate and representative of site conditions, this Agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required. This notice is issued pursuant to subdivision (h) of Section 25296.10 of the Health and Safety Code.

Claims for reimbursement of corrective action costs submitted to the Underground Storage Tank Cleanup Fund more than 365 days after the date of this letter or issuance or activation of the Fund's Letter of Commitment, whichever occurs later, will not be reimbursed unless one of the following exceptions applies:

- Claims are submitted pursuant to Section 25299.57, subdivision (k) (reopened UST case); or,
- Submission within the timeframe was beyond the claimant's reasonable control, ongoing work is required for closure that will result in the submission of claims beyond that time period, or that under the circumstances of the case, it would be unreasonable or inequitable to impose the 365-day time period.

Brian Chuchua  
July 1, 2019  
Page 2

Please contact Geniece Higgins at (714) 433-6260 if you have any questions regarding this matter.

Sincerely,



Christine Lane, REHS  
Interim Director  
Environmental Health

Attachment: Case Closure Summary

cc: Carl Bernhardt, Regional Water Quality Control Board - Santa Ana Region (electronic copy)  
Andy Wittmann, Frey Environmental Inc. (electronic copy)  
Diane Barclay, UST Cleanup Fund Manager, State Water Resources Control Board (electronic copy)

**Agency Information**

Agency Name: Orange County Health Care Agency	Address: 1241 E. Dyer Road, Suite 120
City/State/Zip: Santa Ana, CA 92705	Phone: (714) 433-6254
Staff Person: Osman Taban	Title: Geologist

**Case Information**

Facility Name: Brian Chuchua Jeep		
Facility Address: 777 Orangethorpe, Placentia, California		
RB LUSTIS Case No: 08300883T	OCHCA Case No.: 88UT111	Global ID No.: T0605900698
URF Filing Date: 6/7/1988		
Responsible Party(s): Brian Chuchua	Address: 290 South Mohler Drive, Anaheim Hills, CA 92808	Phone: (714) 281-6036

**Tank Information**

Tank No.	Size (gal)	Contents	Closed in-Place/ Removed/Active	Date Removed
1	10,000 gallons	Aviation Fuel	Removed	12/19/1991

**Conceptual Site Model** (Printout of GeoTracker CSM Report Attached). Historic soil and groundwater data in attached CSM report is incomplete, please see:

[FREY, Conceptual Site Model dated January 15, 2015](#)

[Laboratory Data/Tables \(MW1 through MW9, GW-1 through GW-4, and B1 through B4\)](#)

[FREY, Groundwater Monitoring Well Monitoring and Sampling Second Quarter 2018 LTCP Evaluation and Request for No Further Action dated May 3, 2018](#)

**Closure Criteria Met** (Printout of GeoTracker LTCP Checklist attached)

**Additional Information**

Maximum Documented Contaminant Concentrations - - Before and After Cleanup									
Contaminant	Soil (mg/kg)		Water (µg/L)		Cont.	Soil (mg/kg)		Water (µg/L)	
	Before	After	Before	After		Before	After	Before	After
TPHaf	2,806	NA	NA	NA	MTBE	NA	<0.0048	1,300	<1.0
TPHg	5,898*	1,980	1,700,000	2,500	TBA	NA	<0.02	15	<10
TPHd	NA	2,000	880,000	5,100	DIPE	NA	<0.05	<1.0	<2.0
Benzene	169*	0.88	30,300	98	TAME	NA	<0.05	<1.0	<2.0
Toluene	3,060*	14.4	39,000	<1.0	Naphthalene	NA	7.6	2,300	120
Ethylbenzene	46	22.4	34,000	450	1,2,4,TMB	NA	102	12,000	99
Xylenes	200*	110.8	120,000	150	1,3,5,TMB	NA	41.4	2,900	55

Notes: Cont. = contaminant, NA = Not Available, TPH = total petroleum hydrocarbons, TPHaf = TPH as aviation fuel, TPHg = TPH as gasoline, TPHd = TPH as diesel fuel, TMB = trimethyl-benzene

\*Samples collected from the tank bottom during tank excavation in 1988. "Before" soil and groundwater contaminant concentrations represent historical maximum concentrations reported at the site during all phases of investigation. TPHaf was analyzed only in soil during 1991 and 1997. "After" soil contaminant concentrations represent maximum detections, on and off-site, following site remediation. "After" groundwater contaminant concentrations represent data collected from the most recent sampling event conducted in April 2018.

**Support for Low Threat Closure Policy Checklist**

The site is located on the northeast corner of the intersection of West Orangethorpe Avenue and South Placentia Avenue in Placentia, California. The site is currently operating as Premier automotive dealership and service center. The site is bound to the north and east by commercial/industrial facilities, to the south and west by West Orangethorpe Avenue and South Placentia Avenue, respectively. The site is located in the Forebay Area of the Orange County Groundwater Basin. Historically, depth to groundwater has ranged from 71 to 95 feet below grade surface (bgs) within the semi-perched aquifer zone, and ranged from 98 to 134 feet bgs within the deeper Talbert Aquifer. Historical groundwater flow gradient and direction is variable within the semi-perched aquifer and within the Talbert Aquifer was estimated to be toward the southwest with an estimated gradient ranging from 0.035 to 0.07 feet/foot.

Cleanup case #88UT111 was opened by OCHCA in June 1988 based on the results of soil sampling during tank removal and excavation activities in April 28, 1988. The former underground storage tank (UST) system consisted of one 10,000-gallon, aviation fuel, fiberglass UST, one dispenser island, and associated piping. During the tank removal a visible crack was observed in the bottom of the southern end of the UST. Soil samples from northern and southern end of the tank were collected at 14 feet bgs with maximum concentrations of petroleum hydrocarbons reported at 1,330 milligrams per kilogram (mg/kg) TPHg, 15.2 mg/kg benzene, 139 mg/kg toluene, 1.47 mg/kg ethylbenzene, and 0.1 mg/kg xylenes. On May 16, 1988, two additional soil samples from the southwest corner and the center of the tank excavation at 14 feet bgs were collected with maximum concentrations of petroleum hydrocarbons reported in the center of the former tank at 5,898 mg/kg TPHg, 169 mg/kg benzene, 3,060 mg/kg toluene, 43 mg/kg ethylbenzene, and 200 mg/kg xylenes.

In July 1988, six borings (AF1 through AF5 and CC) were advanced up to 75 feet bgs surrounding the former UST. TPHg was reported at a maximum concentration of 4,472 mg/kg in boring AF5 at 43.3 feet bgs. BTEX were not detected in any of the samples collected during this investigation.

Between October 1988 and January 1991, four soil borings (GW-1 through GW-4) were advanced to depths ranging from 66.5 up to 99.5 feet bgs. Soil borings GW-1 and GW-2 were converted to vapor extraction wells screened from 20 to 40 and 20 to 70 feet, respectively. Soil boring GW-3 was abandoned and GW-4 was converted into an air injection well screened from 45 to 65 feet. TPHaf was reported at a maximum concentration of 2,806 mg/kg in boring GW-3 at 50 feet bgs. Maximum concentrations of BTX were reported at 19.6 mg/kg, 64.9 mg/kg, and 128.1 mg/kg, respectively, in boring GW-1 at 65 feet bgs and maximum concentration of ethyl benzene was reported at 46 mg/kg in boring GW-3.

In February 1990, four geotechnical borings (B-1 through B-4) were drilled immediately adjacent to the north of the site by Geo-Etka Inc. No environmental soil samples were collected during this investigation. In addition, soil borings VE-1A and VE-2A were drilled and converted to remedial wells prior to April 1993 (based on reference to the wells in an April 7, 1993 report); no soil data or construction details were available for review.

In April 1995, four soil borings, also identified as B1 through B4, were advanced up to 80 feet bgs within and surrounding the former tank cavity following soil vapor extraction remediation (discussed below). The highest concentrations of TPHg (102 mg/kg) was detected at 30 feet bgs, benzene (0.635 mg/kg), toluene (1.043 mg/kg), and ethyl-benzene (0.156 mg/kg) at 80 feet, and total xylenes (1.431 mg/kg) at 70 feet were detected in Boring B3. The samples were not analyzed for fuel oxygenates.

Between May 1997 and August 2014, twenty-three groundwater monitoring wells (MW1 through MW5 and MW7 through MW24) and one soil boring FB1 were drilled. Well depths ranged from 76.5 feet to 150 feet bgs. TPHg was reported at a maximum concentration of 1,980 mg/kg in MW15 at 71.5 feet bgs. TPHaf was reported at a maximum concentration of 855 mg/kg in borehole MW4 at 75 feet bgs. TPHd was reported at a maximum concentration of 2,000 mg/kg in borehole MW19 at 65 feet bgs. Benzene was reported at a maximum concentration of 0.88 mg/kg in the 81-foot bgs sample collected from MW12. Toluene was reported at a maximum concentration of 14.4 mg/kg in the 78-foot bgs sample collected from MW11. Ethylbenzene and total xylenes were reported at maximum concentrations of 22.4 mg/kg and 110.8 mg/kg, respectively in the 71.5-foot bgs sample collected from MW15. On June 2015, groundwater monitoring well MW15 (screened from 66-86 feet) was abandoned and was replaced with a shallower screened well MW15R (screened from 59-79 feet). On September 2015, soil boring VE1s/d was drilled to a final depth of 66.5 feet bgs and converted to a dual-nested vapor extraction well (screened from 15-35 and 50-65 feet bgs). Soil samples collected from 2.5 feet to 66.5 feet bgs did not contain detectable concentrations of petroleum hydrocarbons.

SVE was conducted in and around the former tank cavity between April 1991 and May 1992 and removed approximately 584 gallons (3,504 pounds) of vapor phase hydrocarbons. However, removal calculations were based on field measurements (organic vapor analyzer), rather than laboratory data, which may have resulted in an overestimation of the mass removed. On July 2007, an 8-hour VE pilot test was conducted in the source area wells (MW-1 through MW-3) screened from 70 to 90 feet bgs. Vapor excavation was found to be not feasible due to insignificant vapor recovery (0.007 pounds per hour). In October 2015, additional VE testing was conducted using wells MW1, MW2, MW9, MW20, MW18, and MW15R and vapor extraction well VE1s and VE1d. Mass removal rates ranging from 0.001 to 0.107 lb/hr during the 11 hour test with the majority of the mass removed from well MW9.

#### References:

[Environmental Business Solutions, Site Assessment Activities Report, October 26, 2005](#)  
[SCS Engineers, Soil Vapor Extraction Pilot Test, November 21, 2007](#)  
[FREY, Post Remedial Soil Boring and Vapor Extraction Well Installation, October 19, 2015](#)  
[Laboratory Data/Tables \(MW1 through MW9, GW-1 through GW-4, and B1 through B4\)](#)  
[FREY, Vapor Extraction Feasibility Testing Report, November 23, 2018](#)

**Groundwater:** Groundwater sampling in April 2018 reported the following maximum detections: 2,500 µg/L TPHg (MW9), 5,100 µg/L TPHd (MW9), 98 µg/L benzene (MW2), 450 µg/L ethylbenzene (MW2), and 150 µg/L total xylenes (MW4). The site maximum concentration of naphthalene was detected in source area well MW2 at 2,300 µg/L during the October 2017 sampling and at 120 µg/L during the most recent sampling event in April 2018. Of the 23 site wells, seventeen wells were screened in the semi-perched zone (ranging from 59 to 90 feet) and six wells (MW10 through MW14 and MW16) were screened in the Talbert Aquifer (ranging from 120 to 143 feet). Historically, dissolved-phase hydrocarbons in groundwater were detected in the wells located immediately south-southwest of the former UST (MW1), and offsite wells (MW2, and MW4), and offsite to west (MW4, MW5, and MW15). Previously detected maximum concentrations (shown in the above table) of TPHg and BTEX were observed in wells MW3 and MW5. Free product was not observed in any of the wells.

Depth to water in the site vicinity is variable due to recharge water in semi-perched zone. Actual groundwater in Talbert Aquifer water widely fluctuates over time. Historically, groundwater flow direction beneath the site has variable from south to northwest.

According to information provided by Orange County Water District, there are no groundwater production wells within 1,000 feet of the site. The nearest groundwater production well is SCWC-PLJ2

located approximately 1,300 feet east-southeast of the site. The nearest surface water body is Carbon Creek, a concrete lined drainage channel located 550 feet to the south-southwest (hydrogeologically down or cross gradient) of the site. Carbon Creek flows into the Placentia Retarding Basin, an unlined basin mainly used for groundwater recharge generated from percolation of storm flows and flood control. Placentia Retarding Basin is located approximately 1,000 feet to the southwest of the site.

Reference:

FREY, Groundwater Monitoring Well Monitoring and Sampling Second Quarter 2018 LTCP Evaluation and Request for No Further Action dated May 3, 2018

**Vapor Intrusion to Indoor Air:** In June 2015, six vapor probes (SV1 through SV6) were installed to 5.5 feet bgs. The probes were placed along the northern site boundary, near the on-site service building to the east, and in the source area near the former UST, to evaluate potential vapor intrusion to the commercial structures. No TPHg or VOCs were detected in the soil vapor samples.

Reference:

FREY, Shallow Soil Vapor Investigation dated September 1, 2015

**Direct Contact and Outdoor Air Exposure:** Confirmation soil samples were collected in and around the former UST cavity (source area) from borings MW17 through MW21, VE1, and FB1 at depths ranging from 2.5 to 85 feet bgs. Results indicated low to non-detectable levels of petroleum hydrocarbons and fuel oxygenates to total depth. Results of shallow sampling (2.5 to 10 feet bgs) did not report any detections of benzene, ethylbenzene or naphthalene; therefore, did not exceed maximum concentrations of petroleum constituents listed under Table 1 of the UST LTCP.

Reference:

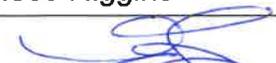
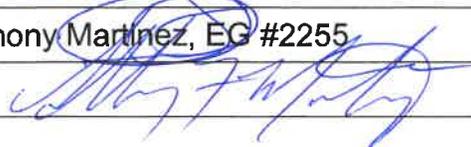
FREY, Post-Remediation Soil Boring and Vapor Extraction Well Installation dated October 19, 2015

**LAND USE CONSIDERATIONS:** The site is currently developed for commercial use as auto dealership/service building. Site conditions should be reviewed if land use changes.

**RWQCB Notification**

Date Submitted to RWQCB Staff:	Response:
RWQCB Staff Name: Kenneth R. Williams	Title: Chief, Pollutant Investigation Section
Signature:	Date:

**Local Agency Representative**

Name: Geniece Higgins	Title: Supervising Hazardous Materials Specialist
Signature: 	Date: 1/2/2019
Name: Anthony Martinez, EG #2255	Title: Program Manager
Signature: 	Date: 1-2-19



located approximately 1,300 feet east-southeast of the site. The nearest surface water body is Carbon Creek, a concrete lined drainage channel located 550 feet to the south-southwest (hydrogeologically down or cross gradient) of the site. Carbon Creek flows into the Placentia Retarding Basin, an unlined basin mainly used for groundwater recharge generated from percolation of storm flows and flood control. Placentia Retarding Basin is located approximately 1,000 feet to the southwest of the site.

**Reference:**

FREY, Groundwater Monitoring Well Monitoring and Sampling Second Quarter 2018 LTCP Evaluation and Request for No Further Action dated May 3, 2018

**Vapor Intrusion to Indoor Air:** In June 2015, six vapor probes (SV1 through SV6) were installed to 5.5 feet bgs. The probes were placed along the northern site boundary, near the on-site service building to the east, and in the source area near the former UST, to evaluate potential vapor intrusion to the commercial structures. No TPHg or VOCs were detected in the soil vapor samples.

**Reference:**

FREY, Shallow Soil Vapor Investigation dated September 1, 2015

**Direct Contact and Outdoor Air Exposure:** Confirmation soil samples were collected in and around the former UST cavity (source area) from borings MW17 through MW21, VE1, and FB1 at depths ranging from 2.5 to 85 feet bgs. Results indicated low to non-detectable levels of petroleum hydrocarbons and fuel oxygenates to total depth. Results of shallow sampling (2.5 to 10 feet bgs) did not report any detections of benzene, ethylbenzene or naphthalene; therefore, did not exceed maximum concentrations of petroleum constituents listed under Table 1 of the UST LTCP.

**Reference:**

FREY, Post-Remediation Soil Boring and Vapor Extraction Well Installation dated October 19, 2015

**LAND USE CONSIDERATIONS:** The site is currently developed for commercial use as auto dealership/service building. Site conditions should be reviewed if land use changes.

**RWQCB Notification**

Date Submitted to RWQCB Staff:	Response: <i>Concurs w/ Closure</i>
RWQCB Staff Name: Kenneth R. Williams	Title: Chief, Pollutant Investigation Section
Signature: <i>Kenneth Williams</i>	Date: <i>January 2, 2019</i>

**Local Agency Representative**

Name: Geniece Higgins	Title: Supervising Hazardous Materials Specialist
Signature: <i>[Signature]</i>	Date: <i>1/2/2019</i>
Name: Anthony Martinez, EG #2255	Title: Program Manager
Signature: <i>[Signature]</i>	Date: <i>1-2-19</i>



## CSM REPORT FOR PUBLIC NOTICING

PROJECT INFORMATION (DATA PULLED FROM GEOTRACKER) - [MAP THIS SITE](#)

<u>SITE NAME / ADDRESS</u>	<u>STATUS</u>	<u>STATUS DATE</u>	<u>RELEASE REPORT DATE</u>	<u>AGE OF CASE</u>	<u>CLEANUP OVERSIGHT AGENCIES</u>
BRIAN CHUCHUA JEEP (Global ID: T0605900698) 777 ORANGETHORPE PLACENTIA, CA 92870	Open - Eligible for Closure	7/25/2018	4/29/1988	31	ORANGE COUNTY LOP ( <b>LEAD</b> ) - CASE #: 88UT111 <b>CASEWORKER: GENIECE HIGGINS</b> - <b>SUPERVISOR: ANTHONY MARTINEZ</b> SANTA ANA RWQCB (REGION 8) - CASE #: 083000883T <b>CASEWORKER: CARL BERNHARDT</b> - <b>SUPERVISOR: Ken Williams</b>

## SITE HISTORY

Please refer to recent Site Documents or Monitoring Reports in GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party.

## RESPONSIBLE PARTIES

<u>NAME</u>	<u>ORGANIZATION</u>	<u>ADDRESS</u>	<u>CITY</u>	<u>EMAIL</u>
BRIAN CHUCHUA	BRIAN CHUCHUA JEEP	290 SOUTH MOHLER DRIVE	ANAHEIM HILLS	

## CLEANUP ACTION INFO

NO CLEANUP ACTIONS HAVE BEEN REPORTED

## RISK INFORMATION

[VIEW LTCP CHECKLIST](#)[VIEW PATH TO CLOSURE PLAN](#)[VIEW CASE REVIEWS](#)

<u>CONTAMINANTS OF CONCERN</u>	<u>CURRENT LAND USE</u>	<u>BENEFICIAL USE</u>	<u>DISCHARGE SOURCE</u>	<u>DATE REPORTED</u>	<u>STOP METHOD</u>	<u>NEARBY / IMPACTED WELLS</u>	
Aviation	Commercial	GW - Groundwater Recharge		4/29/1988	Close and Remove Tank	0	
<u>FREE PRODUCT</u>	<u>OTHER CONSTITUENTS</u>	<u>NAME OF WATER SYSTEM</u>	<u>LAST REGULATORY ACTIVITY</u>	<u>LAST ESI UPLOAD</u>	<u>LAST EDF UPLOAD</u>	<u>EXPECTED CLOSURE DATE</u>	<u>MOST RECENT CLOSURE REQUEST</u>
NO	NO	Golden State Water Company	4/8/2019	6/14/2019	12/3/2017		<a href="#">5/14/2018</a>

## CDPH WELLS WITHIN 1500 FEET OF THIS SITE

<u>WELL NAME</u>	<u>STATE WELL #</u>	<u>STATUS</u>	<u>SOURCE</u>	<u># TIMES SAMPLED</u>	<u>DIST TO WELL</u>
<a href="#">WELL 026 - DESTROYED</a>	3010001-019	Active Raw	G	124	1202 feet

## CALCULATED FIELDS (BASED ON LATITUDE / LONGITUDE)

<u>APN</u>	<u>GW BASIN NAME</u>	<u>WATERSHED NAME</u>
	Coastal Plain Of Orange County (8-001)	San Gabriel River - Anaheim (845.61)
<u>COUNTY</u>	<u>PUBLIC WATER SYSTEM(S)</u>	
Orange	<ul style="list-style-type: none"> <li>GOLDEN STATE WC - PLACENTIA - 500 CAMERON STREET, PLACENTIA, CA 92870</li> <li>METROPOLITAN WATER DIST. OF SO. CAL. - P.O. BOX 54153, LOS ANGELES, CA 90054</li> </ul>	

MOST RECENT CONCENTRATIONS OF PETROLEUM CONSTITUENTS IN GROUNDWATER - [SHOWHIDE](#)[VIEW ESI SUBMITTALS](#)

<u>FIELD PT NAME</u>	<u>DATE</u>	<u>TPHg</u>	<u>BENZENE</u>	<u>TOLUENE</u>	<u>ETHYL-BENZENE</u>	<u>XYLENES</u>	<u>MTBE</u>	<u>TBA</u>
MW1-JB	11/18/2013	ND	ND	ND	ND	OTHER	ND	ND
MW15	11/18/2013	760 UG/L	2.3 UG/L	ND	21 UG/L	OTHER	ND	ND
MW2-JB	11/18/2013	580 UG/L	0.73 UG/L	ND	ND	OTHER	ND	ND
MW3-JB	11/18/2013	420 UG/L	ND	ND	ND	OTHER	ND	ND
MW10	10/30/2017	OTHER	ND	ND	ND	OTHER	ND	ND
MW11	10/30/2017	OTHER	ND	ND	ND	OTHER	ND	ND
MW12	10/30/2017	OTHER	ND	ND	ND	OTHER	ND	ND
MW13	10/30/2017	OTHER	ND	ND	ND	OTHER	ND	ND
MW18	10/30/2017	OTHER	0.69 UG/L	ND	ND	OTHER	ND	ND
MW19	10/30/2017	OTHER	ND	ND	ND	OTHER	ND	ND
MW14	10/31/2017	OTHER	ND	ND	ND	OTHER	ND	ND
MW15R	10/31/2017	OTHER	ND	ND	1300 UG/L	OTHER	ND	ND
MW16	10/31/2017	OTHER	ND	ND	ND	OTHER	ND	ND
MW2	10/31/2017	OTHER	700 UG/L	ND	4100 UG/L	OTHER	ND	ND
MW5	10/31/2017	OTHER	ND	ND	1.1 UG/L	OTHER	ND	ND
MW8	10/31/2017	OTHER	ND	ND	ND	OTHER	ND	ND
MW1	11/1/2017	OTHER	4.3 UG/L	ND	5.4 UG/L	OTHER	ND	ND
MW20	11/1/2017	OTHER	ND	ND	1.6 UG/L	OTHER	ND	ND
MW22	11/1/2017	OTHER	1.4 UG/L	ND	1.7 UG/L	OTHER	ND	ND
MW23	11/1/2017	OTHER	ND	ND	ND	OTHER	ND	ND

<u>FIELD PT NAME</u>	<u>DATE</u>	<u>TPHg</u>	<u>BENZENE</u>	<u>TOLUENE</u>	<u>ETHYL-BENZENE</u>	<u>XYLENES</u>	<u>MTBE</u>	<u>TBA</u>
MW3	11/1/2017		4.6 UG/L	ND	ND	OTHER	ND	ND
MW4	11/1/2017	OTHER	ND	ND	2200 UG/L	OTHER	ND	ND
MW7	11/1/2017	OTHER	ND	ND	ND	OTHER	ND	ND
MW9	11/1/2017	OTHER	12 UG/L	ND	11 UG/L	OTHER	ND	ND

**MOST RECENT CONCENTRATIONS OF PETROLEUM CONSTITUENTS IN SOIL - SHOWHIDE**[VIEW ESI SUBMITTALS](#)

<u>FIELD PT NAME</u>	<u>DATE</u>	<u>TPHg</u>	<u>BENZENE</u>	<u>TOLUENE</u>	<u>ETHYL-BENZENE</u>	<u>XYLENES</u>	<u>MTBE</u>	<u>TBA</u>
MW10	1/4/2005		ND	ND	ND		ND	ND
MW11	1/5/2005		790 UG/KG	14400 UG/KG	9610 UG/KG		ND	ND
MW14	1/7/2005		179 UG/KG	774 UG/KG	335 UG/KG		ND	ND
MW15	1/7/2005		ND	370 UG/KG	22400 UG/KG		ND	ND
MW16	1/11/2005		ND	ND	ND		ND	ND
MW12	6/8/2005		880 UG/KG	164 UG/KG	2500 UG/KG		ND	ND
MW13	6/8/2005		148 UG/KG	6 UG/KG	42 UG/KG		ND	ND
FB1	7/9/2013	ND	ND	ND	ND		ND	ND
MW21	7/9/2013	ND	ND	ND	ND		ND	ND
MW17	7/10/2013	ND	ND	ND	ND		ND	ND
MW18	7/10/2013	ND	ND	ND	12 UG/KG		ND	ND
MW19	7/11/2013	ND	ND	ND	ND		ND	ND
MW23	8/4/2014	0.49 MG/KG	ND	ND	ND		ND	ND
MW22	8/5/2014	ND	ND	ND	ND		ND	ND
MW24	8/6/2014	ND	ND	ND	ND		ND	ND
VE1	9/2/2015		ND	ND	ND	ND	ND	ND

**MOST RECENT GEO\_WELL DATA - SHOWHIDE**[VIEW ESI SUBMITTALS](#)

<u>FIELD PT NAME</u>	<u>DATE</u>	<u>DEPTH TO WATER (FT)</u>	<u>SHEEN</u>	<u>DEPTH TO FREE PRODUCT (FT)</u>
MW15	3/26/2015	71.76	N	
MW17	4/2/2018		N	
MW20	4/2/2018		N	
MW21	4/2/2018		N	
MW22	4/2/2018		N	
MW24	4/2/2018		N	
MW10	4/3/2018	93.55	N	
MW11	4/3/2018	93.31	N	
MW12	4/3/2018	93.4	N	
MW13	4/3/2018	93.15	N	
MW14	4/3/2018	93.21	N	
MW16	4/3/2018	93.26	N	
MW1	4/4/2018	75.8	N	
MW15R	4/4/2018	70.5	N	
MW18	4/4/2018	75.5	N	
MW19	4/4/2018	79.25	N	
MW2	4/4/2018	82.85	N	
MW23	4/4/2018	72.7	N	
MW3	4/4/2018	86.05	N	
MW4	4/4/2018	72.45	N	
MW5	4/4/2018	93.55	N	
MW7	4/4/2018	93.45	N	
MW8	4/4/2018	93.75	N	
MW9	4/4/2018	93.53	N	

777 ORANGETHORPE  
PLACENTIA, CA 92870  
ORANGE COUNTY  
LUST CLEANUP SITE ([INFO](#))  
STATUS: OPEN - ELIGIBLE  
FOR CLOSURE

**PERTINENT INFORMATION:**

CUF Claim #: 2906 CUF Priority Assigned: C CUF Amount Paid: \$839,005  
[View Documents in ECM](#)

**CLEANUP OVERSIGHT AGENCIES**

ORANGE COUNTY LOP (**LEAD**) - CASE #: 88UT111 - [GENIECE HIGGINS](#)  
SANTA ANA RWQCB (REGION 8) - CASE #: 083000883T - [CARL BERNHARDT](#)

THIS PROJECT WAS LAST MODIFIED BY [GENIECE HIGGINS](#) ON 4/10/2019 10:42:38 AM - [HISTORY](#)

**CLOSURE POLICY**

THIS VERSION IS FINAL AS OF 1/8/2019

CHECKLIST INITIATED ON 4/24/2013

[PRINT THIS FORM](#)

[CLOSURE POLICY HISTORY](#)

**General Criteria - The site satisfies the policy general criteria - [CLEAR SECTION ANSWERS](#)**

**YES**

a. Is the unauthorized release located within the service area of a public water system?

Name of Water System :

Golden State Water Company

YES  NO

b. The unauthorized release consists only of petroleum ([info](#)).

YES  NO

c. The unauthorized ("primary") release from the UST system has been stopped.

YES  NO

d. Free product has been removed to the maximum extent practicable ([info](#)).

FP Not Encountered  YES  NO

e. A conceptual site model that assesses the nature, extent, and mobility of the release has been developed ([info](#)).

YES  NO

f. Secondary source has been removed to the extent practicable ([info](#)).

YES  NO

g. Soil or groundwater has been tested for MTBE and results reported in accordance with Health and Safety Code Section 25296.15.

Not Required  YES  NO

h. Does a nuisance exist, as defined by [Water Code section 13050](#).

YES  NO

**1. Media-Specific Criteria: Groundwater - The contaminant plume that exceeds water quality objectives is stable or decreasing in areal extent, and meets all of the additional characteristics of one of the five classes of sites listed below. - [CLEAR SECTION ANSWERS](#)**

**YES**

**EXCEPTION - Soil Only Case (Release has not Affected Groundwater - [Info](#))**

YES  NO

Does the site meet any of the Groundwater specific criteria scenarios?

YES  NO

1.1 - The contaminant plume that exceeds water quality objectives is <100 feet in length. There is no free product. The nearest existing water supply well or surface water body is >250 feet from the defined plume boundary.

YES  NO

**2. Media Specific Criteria: Petroleum Vapor Intrusion to Indoor Air - The site is considered low-threat for the vapor-intrusion-to-air pathway if site-specific conditions satisfy items 2a, 2b, or 2c - [CLEAR SECTION ANSWERS](#)**

**YES**

**EXCEPTION - Active Commercial Petroleum Fueling Facility**

YES  NO

Does the site meet any of the Petroleum Vapor Intrusion to Indoor Air specific criteria scenarios?

YES  NO

2a - Scenario 4 ([example](#)): Direct Measurement of Soil Gas Concentrations

**YES**

i. Soil Gas Sampling Locations – No Bioattenuation Zone:

- Beneath or adjacent to an existing building: Soil gas sample is collected at least 5 feet below the bottom of the building foundation.

YES  NO

- Future construction: The soil gas sample shall be collected from at least 5 feet below the ground surface (bgs).

YES  NO

ii. Soil Gas Sampling Locations – with Bioattenuation Zone: The criteria in Column A in the Soil Gas Criteria table (page 5 of the Policy) apply if the following requirements for a bioattenuation zone are satisfied:

**YES**

- Minimum of 5 feet of soil between the soil vapor measurement and the foundation of an existing or ground surface of future construction.

YES  NO

- TPH (TPHg + TPHd) is <100 mg/kg (measured in at least two depths within the 5-ft zone)

YES  NO

- Oxygen is ≥ 4% measured at the bottom of the 5-ft zone.

YES  NO

**3. Media Specific Criteria: Direct Contact and Outdoor Air Exposure - The site is considered low-threat for direct contact and outdoor air exposure if it meets 1, 2, or 3 below. - [CLEAR SECTION ANSWERS](#)**

**YES**

**EXCEPTION - The upper 10 feet of soil is free of petroleum contamination**

YES  NO

Does the site meet any of the Direct Contact and Outdoor Air Exposure criteria scenarios?

YES  NO

3(a) - Maximum concentrations of petroleum constituents in soil are less than or equal to those listed in the following table ([LINK](#)) for the specified depth below ground surface.

YES  NO

**Additional Information**

This case should be kept OPEN in spite of meeting policy criteria.

YES  NO

Has this LTCP Checklist been updated for FY 18/19?

YES  NO

[SPELL CHECK](#)

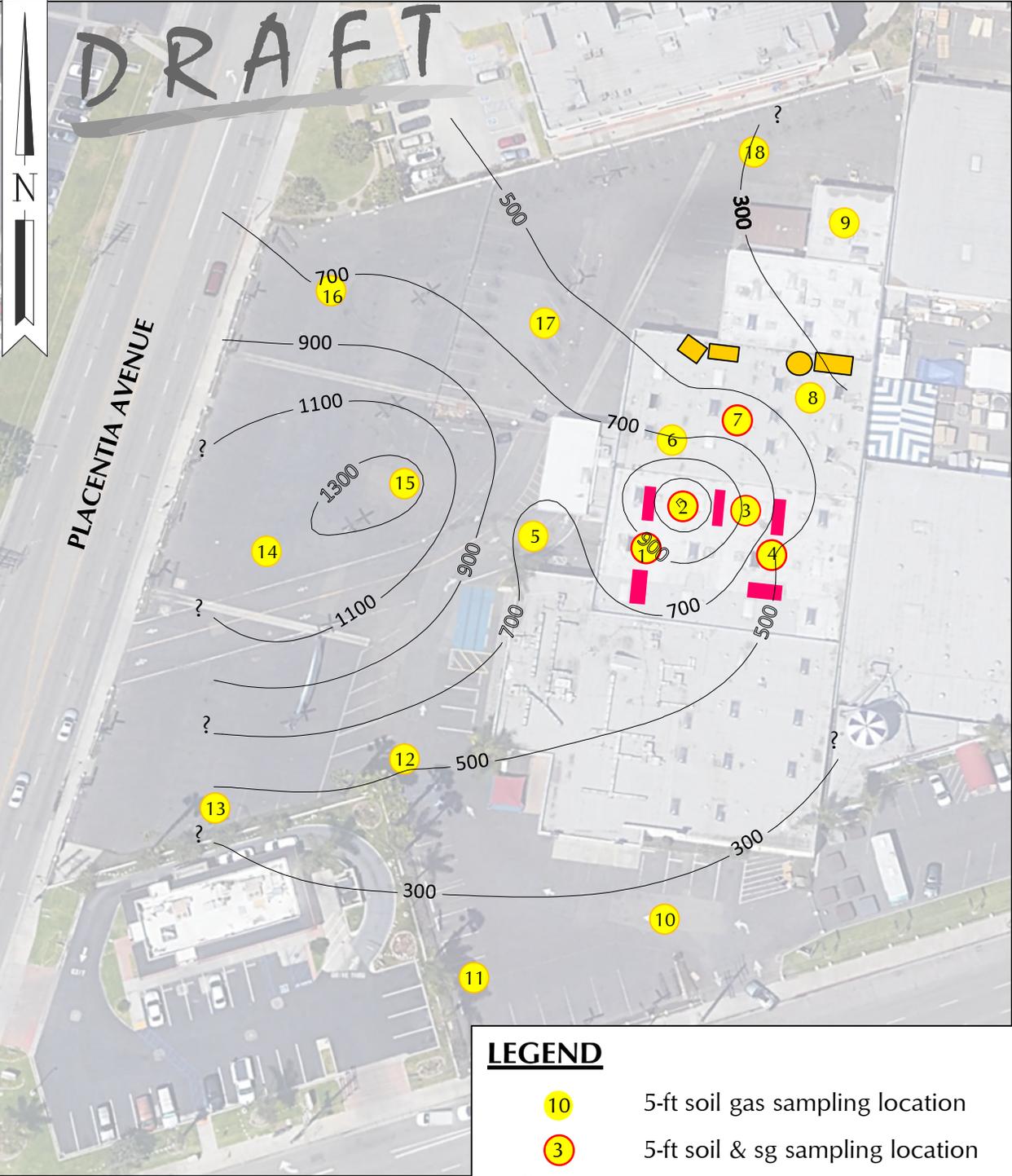
Save Form as Partially Completed

Save Form as Complete

## **APPENDIX B**

### **SOIL AND SOIL VAPOR SAMPLING INFORMATION – Tetra Tech**

DRAFT



**LEGEND**



5-ft soil gas sampling location



5-ft soil & sg sampling location



PCE isoconcentration line ( $\mu\text{g}/\text{m}^3$ )



**TETRA TECH BAS**

21700 COPLEY DRIVE, SUITE 200  
DIAMOND BAR, CA  
909-860-7777

**PLACENTIA  
PROJECT**

**PCE IN SOIL GAS AT 5 FT BGS**

**FIGURE**

DATE: July 2021

DRAWN BY: MG

FILE:  
Placentia/Fig

PLACENTIA PROJECT  
SUMMARY OF SOIL GAS ANALYTICAL RESULTS  
JULY 2021  
EPA Method 8260B, µg/m<sup>3</sup>

DRAFT

Parameter	Residential Air Screening Levels		Soil Gas Screening Level	Sampling Locations and Results																			
	DTSC SL	US EPA RSL	Air SL/AF	B-1	B-1 REP	B-2	B-3	B-4	B-5	B-6	B-7	B-8	B-9	B-10	B-11	B-12	B-13	B-14	B-15	B-16	B-17	B-18	
Ethylbenzene	-	1.1	36.7	<20	<20	<20	45	22	139	371	45	49	84	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Freon 113	-	5,200	173,333	42	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40
Isopropylbenzene	-	420	14,000	<20	<20	<20	<20	<20	39	95	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
n-Propylbenzene	-	1,000	33,333	<20	<20	<20	<20	<20	62	131	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Tetrachloroethene	0.46	11.0	75.3	944	795	1,350	798	473	586	562	563	313	165	241	208	477	287	1,280	1,400	702	543	317	
Toluene	-	5,200	173,333	124	116	109	109	63	291	381	94	117	82	28	25	31	24	59	50	23	45	45	
1,2,4-Trimethylbenzene	-	63	2,100	<20	<20	60	<20	57	740	1,190	296	209	94	<20	<20	<20	<20	24	47	<20	<20	<20	<20
1,3,5-Trimethylbenzene	-	63	2,100	<20	<20	<20	<20	<20	346	653	124	83	33	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
m,p-Xylene	-	100	3,333	<40	<40	50	225	118	603	1,320	216	245	84	<40	<40	<40	<40	<40	45	69	<40	<40	<40
o-Xylene	-	100	3,333	<20	<20	<20	77	70	578	1,300	204	163	69	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20

**Notes:**

- <20 Not detected, Method Detection Limit Listed
- µg/m<sup>3</sup> microgram per cubic meter
- DTSC California Department of Toxic Substances Control
- RSL Regional Screening Level
- SL screening level
- USEPA U.S. Environmental Protection Agency
- AF Attenuation Factor, currently 0.03 per Draft DTSC guidance



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## JONES ENVIRONMENTAL LABORATORY RESULTS

<b>Client:</b>	Tetra Tech BAS, Inc.	<b>Report date:</b>	7/7/2021
<b>Client Address:</b>	21700 Copley Drive, Suite 200 Diamond Bar, CA 91765	<b>Jones Ref. No.:</b>	G-0347
		<b>Client Ref. No.:</b>	2021-0077
<b>Attn:</b>	Marina Grigorova	<b>Date Sampled:</b>	7/6/2021
		<b>Date Received:</b>	7/6/2021
		<b>Date Analyzed:</b>	7/6/2021
<b>Project Address:</b>	777 W Orangethorpe Ave Placentia, CA 92870	<b>Physical State:</b>	Soil Gas

---

### ANALYSES REQUESTED

1. EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sampling – Soil Gas samples were collected in glass gas-tight syringes equipped with Teflon plungers.

A tracer gas mixture of n-pentane, n-hexane, and n-heptane was placed at the tubing-surface interface before sampling. These compounds were analyzed during the 8260B analytical run to determine if there were surface leaks into the subsurface due to improper installation of the probe. No tracer was detected in any of the samples reported herein.

The sampling rate was approximately 200 cc/min, except when noted differently on the chain of custody record, using a glass gas-tight syringe. Purging was completed using a pump set at approximately 200 cc/min, except when noted differently on the chain of custody record. A default of 3 purge volumes was used as recommended by July 2015 DTSC/RWQCB guidance documents.

Prior to purging and sampling of soil gas at each point, a shut-in test was conducted to check for leaks in the above ground fittings. The shut-in test was performed on the above ground apparatus by evacuating the line to a vacuum of 100 inches of water, sealing the entire system and watching the vacuum for at least one minute. A vacuum gauge attached in parallel to the apparatus measured the vacuum. If there was any observable loss of vacuum, the fittings were adjusted as needed until the vacuum did not change noticeably. The soil gas sample was then taken.

No flow conditions occur when a sampling rate greater than 10 mL/min cannot be maintained without applying a vacuum greater than 100 inches of water to the sampling train. The sampling train is left at a vacuum for no less than three minutes. If the vacuum does not subside appreciably after three minutes, the sample location is determined to be a no flow sample.

Analytical – Soil Gas samples were analyzed using EPA Method 8260 that includes extra compounds required by DTSC/RWQCB (such as Freon 113). Instrument Continuing Calibration Verification, QC Reference Standards, Instrument Blanks and Sampling Blanks were analyzed every 12 hours as prescribed by the method. In addition, a Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) were analyzed with each batch of Soil Gas samples. A duplicate/replicate sample was analyzed each day of the sampling activity. All samples were injected into the GC/MS system within 30 minutes of collection.

Approval: \_\_\_\_\_

Annalise O'Toole  
Mobile Lab Manager



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### JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Tetra Tech BAS, Inc.  
**Client Address:** 21700 Copley Drive, Suite 200  
Diamond Bar, CA 91765

**Report date:** 7/7/2021  
**Jones Ref. No.:** G-0347  
**Client Ref. No.:** 2021-0077

**Attn:** Marina Grigorova

**Date Sampled:** 7/6/2021  
**Date Received:** 7/6/2021  
**Date Analyzed:** 7/6/2021  
**Physical State:** Soil Gas

**Project Address:** 777 W Orangethorpe Ave  
Placentia, CA 92870

#### EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	B-1	B-1 REP	B-2	B-3	B-4		
<u>Jones ID:</u>	G-0347-01	G-0347-02	G-0347-03	G-0347-04	G-0347-05	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Benzene	ND	ND	ND	ND	ND	20	µg/m3
Bromobenzene	ND	ND	ND	ND	ND	20	µg/m3
Bromodichloromethane	ND	ND	ND	ND	ND	20	µg/m3
Bromoform	ND	ND	ND	ND	ND	20	µg/m3
n-Butylbenzene	ND	ND	ND	ND	ND	30	µg/m3
sec-Butylbenzene	ND	ND	ND	ND	ND	30	µg/m3
tert-Butylbenzene	ND	ND	ND	ND	ND	30	µg/m3
Carbon tetrachloride	ND	ND	ND	ND	ND	20	µg/m3
Chlorobenzene	ND	ND	ND	ND	ND	20	µg/m3
Chloroform	ND	ND	ND	ND	ND	20	µg/m3
2-Chlorotoluene	ND	ND	ND	ND	ND	30	µg/m3
4-Chlorotoluene	ND	ND	ND	ND	ND	30	µg/m3
Dibromochloromethane	ND	ND	ND	ND	ND	20	µg/m3
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	20	µg/m3
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	20	µg/m3
Dibromomethane	ND	ND	ND	ND	ND	20	µg/m3
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	40	µg/m3
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	40	µg/m3
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	40	µg/m3
Dichlorodifluoromethane	ND	ND	ND	ND	ND	40	µg/m3
1,1-Dichloroethane	ND	ND	ND	ND	ND	20	µg/m3
1,2-Dichloroethane	ND	ND	ND	ND	ND	20	µg/m3
1,1-Dichloroethene	ND	ND	ND	ND	ND	20	µg/m3
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	20	µg/m3
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	20	µg/m3
1,2-Dichloropropane	ND	ND	ND	ND	ND	20	µg/m3
1,3-Dichloropropane	ND	ND	ND	ND	ND	20	µg/m3
2,2-Dichloropropane	ND	ND	ND	ND	ND	40	µg/m3
1,1-Dichloropropene	ND	ND	ND	ND	ND	25	µg/m3

## JONES ENVIRONMENTAL LABORATORY RESULTS

### EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	<b>B-1</b>	<b>B-1 REP</b>	<b>B-2</b>	<b>B-3</b>	<b>B-4</b>		
<u>Jones ID:</u>	<b>G-0347-01</b>	<b>G-0347-02</b>	<b>G-0347-03</b>	<b>G-0347-04</b>	<b>G-0347-05</b>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	20	µg/m3
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	20	µg/m3
Ethylbenzene	ND	ND	ND	<b>45</b>	<b>22</b>	20	µg/m3
Freon 113	<b>42</b>	ND	ND	ND	ND	40	µg/m3
Hexachlorobutadiene	ND	ND	ND	ND	ND	60	µg/m3
Isopropylbenzene	ND	ND	ND	ND	ND	20	µg/m3
4-Isopropyltoluene	ND	ND	ND	ND	ND	20	µg/m3
Methylene chloride	ND	ND	ND	ND	ND	20	µg/m3
Naphthalene	ND	ND	ND	ND	ND	100	µg/m3
n-Propylbenzene	ND	ND	ND	ND	ND	20	µg/m3
Styrene	ND	ND	ND	ND	ND	20	µg/m3
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	20	µg/m3
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	40	µg/m3
Tetrachloroethene	<b>944</b>	<b>795</b>	<b>1350</b>	<b>798</b>	<b>473</b>	20	µg/m3
Toluene	<b>124</b>	<b>116</b>	<b>109</b>	<b>109</b>	<b>63</b>	20	µg/m3
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	40	µg/m3
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	40	µg/m3
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	20	µg/m3
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	20	µg/m3
Trichloroethene	ND	ND	ND	ND	ND	20	µg/m3
Trichlorofluoromethane	ND	ND	ND	ND	ND	40	µg/m3
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	20	µg/m3
1,2,4-Trimethylbenzene	ND	ND	<b>60</b>	ND	<b>57</b>	20	µg/m3
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	20	µg/m3
Vinyl chloride	ND	ND	ND	ND	ND	20	µg/m3
m,p-Xylene	ND	ND	<b>50</b>	<b>225</b>	<b>118</b>	40	µg/m3
o-Xylene	ND	ND	ND	<b>77</b>	<b>70</b>	20	µg/m3
MTBE	ND	ND	ND	ND	ND	100	µg/m3
Ethyl-tert-butylether	ND	ND	ND	ND	ND	100	µg/m3
Di-isopropylether	ND	ND	ND	ND	ND	100	µg/m3
tert-amylmethylether	ND	ND	ND	ND	ND	100	µg/m3
tert-Butylalcohol	ND	ND	ND	ND	ND	1000	µg/m3
<b>Tracer:</b>							
n-Pentane	ND	ND	ND	ND	ND	200	µg/m3
n-Hexane	ND	ND	ND	ND	ND	200	µg/m3
n-Heptane	ND	ND	ND	ND	ND	200	µg/m3
<u>Dilution Factor</u>	1	1	1	1	1		
<b>Surrogate Recoveries:</b>						<b>QC Limits</b>	
Dibromofluoromethane	95%	96%	98%	99%	93%	60 - 140	
Toluene-d8	94%	97%	98%	95%	95%	60 - 140	
4-Bromofluorobenzene	92%	93%	90%	96%	89%	60 - 140	
<u>Batch ID:</u>	G1-070621-01	G1-070621-01	G1-070621-01	G1-070621-01	G1-070621-01		

ND = Value below reporting limit



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### JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Tetra Tech BAS, Inc.  
**Client Address:** 21700 Copley Drive, Suite 200  
Diamond Bar, CA 91765

**Report date:** 7/7/2021  
**Jones Ref. No.:** G-0347  
**Client Ref. No.:** 2021-0077

**Attn:** Marina Grigorova

**Date Sampled:** 7/6/2021  
**Date Received:** 7/6/2021  
**Date Analyzed:** 7/6/2021  
**Physical State:** Soil Gas

**Project Address:** 777 W Orangethorpe Ave  
Placentia, CA 92870

#### EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	B-5	B-9	B-8	B-7	B-6		
<u>Jones ID:</u>	G-0347-06	G-0347-07	G-0347-08	G-0347-09	G-0347-10	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Benzene	ND	ND	ND	ND	ND	20	µg/m3
Bromobenzene	ND	ND	ND	ND	ND	20	µg/m3
Bromodichloromethane	ND	ND	ND	ND	ND	20	µg/m3
Bromoform	ND	ND	ND	ND	ND	20	µg/m3
n-Butylbenzene	ND	ND	ND	ND	ND	30	µg/m3
sec-Butylbenzene	ND	ND	ND	ND	ND	30	µg/m3
tert-Butylbenzene	ND	ND	ND	ND	ND	30	µg/m3
Carbon tetrachloride	ND	ND	ND	ND	ND	20	µg/m3
Chlorobenzene	ND	ND	ND	ND	ND	20	µg/m3
Chloroform	ND	ND	ND	ND	ND	20	µg/m3
2-Chlorotoluene	ND	ND	ND	ND	ND	30	µg/m3
4-Chlorotoluene	ND	ND	ND	ND	ND	30	µg/m3
Dibromochloromethane	ND	ND	ND	ND	ND	20	µg/m3
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	20	µg/m3
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	20	µg/m3
Dibromomethane	ND	ND	ND	ND	ND	20	µg/m3
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	40	µg/m3
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	40	µg/m3
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	40	µg/m3
Dichlorodifluoromethane	ND	ND	ND	ND	ND	40	µg/m3
1,1-Dichloroethane	ND	ND	ND	ND	ND	20	µg/m3
1,2-Dichloroethane	ND	ND	ND	ND	ND	20	µg/m3
1,1-Dichloroethene	ND	ND	ND	ND	ND	20	µg/m3
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	20	µg/m3
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	20	µg/m3
1,2-Dichloropropane	ND	ND	ND	ND	ND	20	µg/m3
1,3-Dichloropropane	ND	ND	ND	ND	ND	20	µg/m3
2,2-Dichloropropane	ND	ND	ND	ND	ND	40	µg/m3
1,1-Dichloropropene	ND	ND	ND	ND	ND	25	µg/m3

## JONES ENVIRONMENTAL LABORATORY RESULTS

### EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	<b>B-5</b>	<b>B-9</b>	<b>B-8</b>	<b>B-7</b>	<b>B-6</b>		
<u>Jones ID:</u>	<b>G-0347-06</b>	<b>G-0347-07</b>	<b>G-0347-08</b>	<b>G-0347-09</b>	<b>G-0347-10</b>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	20	µg/m3
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	20	µg/m3
Ethylbenzene	<b>139</b>	<b>84</b>	<b>49</b>	<b>45</b>	<b>371</b>	20	µg/m3
Freon 113	ND	ND	ND	ND	ND	40	µg/m3
Hexachlorobutadiene	ND	ND	ND	ND	ND	60	µg/m3
Isopropylbenzene	<b>39</b>	ND	ND	ND	<b>95</b>	20	µg/m3
4-Isopropyltoluene	ND	ND	ND	ND	ND	20	µg/m3
Methylene chloride	ND	ND	ND	ND	ND	20	µg/m3
Naphthalene	ND	ND	ND	ND	ND	100	µg/m3
n-Propylbenzene	<b>62</b>	ND	ND	ND	<b>131</b>	20	µg/m3
Styrene	ND	ND	ND	ND	ND	20	µg/m3
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	20	µg/m3
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	40	µg/m3
Tetrachloroethene	<b>586</b>	<b>165</b>	<b>313</b>	<b>563</b>	<b>562</b>	20	µg/m3
Toluene	<b>291</b>	<b>82</b>	<b>117</b>	<b>94</b>	<b>381</b>	20	µg/m3
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	40	µg/m3
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	40	µg/m3
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	20	µg/m3
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	20	µg/m3
Trichloroethene	ND	ND	ND	ND	ND	20	µg/m3
Trichlorofluoromethane	ND	ND	ND	ND	ND	40	µg/m3
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	20	µg/m3
1,2,4-Trimethylbenzene	<b>740</b>	<b>94</b>	<b>209</b>	<b>296</b>	<b>1190</b>	20	µg/m3
1,3,5-Trimethylbenzene	<b>346</b>	<b>33</b>	<b>83</b>	<b>124</b>	<b>653</b>	20	µg/m3
Vinyl chloride	ND	ND	ND	ND	ND	20	µg/m3
m,p-Xylene	<b>603</b>	<b>84</b>	<b>245</b>	<b>216</b>	<b>1320</b>	40	µg/m3
o-Xylene	<b>578</b>	<b>69</b>	<b>163</b>	<b>204</b>	<b>1300</b>	20	µg/m3
MTBE	ND	ND	ND	ND	ND	100	µg/m3
Ethyl-tert-butylether	ND	ND	ND	ND	ND	100	µg/m3
Di-isopropylether	ND	ND	ND	ND	ND	100	µg/m3
tert-amylmethylether	ND	ND	ND	ND	ND	100	µg/m3
tert-Butylalcohol	ND	ND	ND	ND	ND	1000	µg/m3
<b>Tracer:</b>							
n-Pentane	ND	ND	ND	ND	ND	200	µg/m3
n-Hexane	ND	ND	ND	ND	ND	200	µg/m3
n-Heptane	ND	ND	ND	ND	ND	200	µg/m3
<u>Dilution Factor</u>	1	1	1	1	1		
<b>Surrogate Recoveries:</b>						<b>QC Limits</b>	
Dibromofluoromethane	99%	95%	97%	98%	98%	60 - 140	
Toluene-d8	97%	96%	98%	95%	96%	60 - 140	
4-Bromofluorobenzene	91%	93%	96%	92%	93%	60 - 140	
<u>Batch ID:</u>	G1-070621-01	G1-070621-01	G1-070621-01	G1-070621-01	G1-070621-01		

ND = Value below reporting limit



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### JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Tetra Tech BAS, Inc.  
**Client Address:** 21700 Copley Drive, Suite 200  
Diamond Bar, CA 91765

**Report date:** 7/7/2021  
**Jones Ref. No.:** G-0347  
**Client Ref. No.:** 2021-0077

**Attn:** Marina Grigorova

**Date Sampled:** 7/6/2021  
**Date Received:** 7/6/2021  
**Date Analyzed:** 7/6/2021  
**Physical State:** Soil Gas

**Project Address:** 777 W Orangethorpe Ave  
Placentia, CA 92870

#### EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	B-18	B-17	B-16	B-15	B-14		
<u>Jones ID:</u>	G-0347-11	G-0347-12	G-0347-13	G-0347-14	G-0347-15	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Benzene	ND	ND	ND	ND	ND	20	µg/m3
Bromobenzene	ND	ND	ND	ND	ND	20	µg/m3
Bromodichloromethane	ND	ND	ND	ND	ND	20	µg/m3
Bromoform	ND	ND	ND	ND	ND	20	µg/m3
n-Butylbenzene	ND	ND	ND	ND	ND	30	µg/m3
sec-Butylbenzene	ND	ND	ND	ND	ND	30	µg/m3
tert-Butylbenzene	ND	ND	ND	ND	ND	30	µg/m3
Carbon tetrachloride	ND	ND	ND	ND	ND	20	µg/m3
Chlorobenzene	ND	ND	ND	ND	ND	20	µg/m3
Chloroform	ND	ND	ND	ND	ND	20	µg/m3
2-Chlorotoluene	ND	ND	ND	ND	ND	30	µg/m3
4-Chlorotoluene	ND	ND	ND	ND	ND	30	µg/m3
Dibromochloromethane	ND	ND	ND	ND	ND	20	µg/m3
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	20	µg/m3
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	20	µg/m3
Dibromomethane	ND	ND	ND	ND	ND	20	µg/m3
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	40	µg/m3
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	40	µg/m3
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	40	µg/m3
Dichlorodifluoromethane	ND	ND	ND	ND	ND	40	µg/m3
1,1-Dichloroethane	ND	ND	ND	ND	ND	20	µg/m3
1,2-Dichloroethane	ND	ND	ND	ND	ND	20	µg/m3
1,1-Dichloroethene	ND	ND	ND	ND	ND	20	µg/m3
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	20	µg/m3
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	20	µg/m3
1,2-Dichloropropane	ND	ND	ND	ND	ND	20	µg/m3
1,3-Dichloropropane	ND	ND	ND	ND	ND	20	µg/m3
2,2-Dichloropropane	ND	ND	ND	ND	ND	40	µg/m3
1,1-Dichloropropene	ND	ND	ND	ND	ND	25	µg/m3

## JONES ENVIRONMENTAL LABORATORY RESULTS

### EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	<b>B-18</b>	<b>B-17</b>	<b>B-16</b>	<b>B-15</b>	<b>B-14</b>		
<u>Jones ID:</u>	<b>G-0347-11</b>	<b>G-0347-12</b>	<b>G-0347-13</b>	<b>G-0347-14</b>	<b>G-0347-15</b>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	20	µg/m3
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	20	µg/m3
Ethylbenzene	ND	ND	ND	ND	ND	20	µg/m3
Freon 113	ND	ND	ND	ND	ND	40	µg/m3
Hexachlorobutadiene	ND	ND	ND	ND	ND	60	µg/m3
Isopropylbenzene	ND	ND	ND	ND	ND	20	µg/m3
4-Isopropyltoluene	ND	ND	ND	ND	ND	20	µg/m3
Methylene chloride	ND	ND	ND	ND	ND	20	µg/m3
Naphthalene	ND	ND	ND	ND	ND	100	µg/m3
n-Propylbenzene	ND	ND	ND	ND	ND	20	µg/m3
Styrene	ND	ND	ND	ND	ND	20	µg/m3
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	20	µg/m3
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	40	µg/m3
Tetrachloroethene	<b>317</b>	<b>543</b>	<b>702</b>	<b>1400</b>	<b>1280</b>	20	µg/m3
Toluene	<b>45</b>	<b>45</b>	<b>23</b>	<b>50</b>	<b>59</b>	20	µg/m3
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	40	µg/m3
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	40	µg/m3
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	20	µg/m3
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	20	µg/m3
Trichloroethene	ND	ND	ND	ND	ND	20	µg/m3
Trichlorofluoromethane	ND	ND	ND	ND	ND	40	µg/m3
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	20	µg/m3
1,2,4-Trimethylbenzene	ND	ND	ND	<b>47</b>	<b>24</b>	20	µg/m3
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	20	µg/m3
Vinyl chloride	ND	ND	ND	ND	ND	20	µg/m3
m,p-Xylene	ND	ND	<b>69</b>	<b>45</b>	ND	40	µg/m3
o-Xylene	ND	ND	ND	ND	ND	20	µg/m3
MTBE	ND	ND	ND	ND	ND	100	µg/m3
Ethyl-tert-butylether	ND	ND	ND	ND	ND	100	µg/m3
Di-isopropylether	ND	ND	ND	ND	ND	100	µg/m3
tert-amylmethylether	ND	ND	ND	ND	ND	100	µg/m3
tert-Butylalcohol	ND	ND	ND	ND	ND	1000	µg/m3
<b>Tracer:</b>							
n-Pentane	ND	ND	ND	ND	ND	200	µg/m3
n-Hexane	ND	ND	ND	ND	ND	200	µg/m3
n-Heptane	ND	ND	ND	ND	ND	200	µg/m3
<u>Dilution Factor</u>	1	1	1	1	1		
<b>Surrogate Recoveries:</b>						<b>QC Limits</b>	
Dibromofluoromethane	100%	96%	99%	101%	97%	60 - 140	
Toluene-d8	92%	93%	96%	93%	96%	60 - 140	
4-Bromofluorobenzene	89%	90%	94%	95%	90%	60 - 140	
<u>Batch ID:</u>	G1-070621-01	G1-070621-01	G1-070621-01	G1-070621-01	G1-070621-01		

ND = Value below reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Tetra Tech BAS, Inc.  
**Client Address:** 21700 Copley Drive, Suite 200  
Diamond Bar, CA 91765

**Report date:** 7/7/2021  
**Jones Ref. No.:** G-0347  
**Client Ref. No.:** 2021-0077

**Attn:** Marina Grigorova

**Date Sampled:** 7/6/2021  
**Date Received:** 7/6/2021  
**Date Analyzed:** 7/6/2021  
**Physical State:** Soil Gas

**Project Address:** 777 W Orangethorpe Ave  
Placentia, CA 92870

### EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	<b>B-13</b>	<b>B-12</b>	<b>B-11</b>	<b>B-10</b>		
<u>Jones ID:</u>	<b>G-0347-16</b>	<b>G-0347-17</b>	<b>G-0347-18</b>	<b>G-0347-19</b>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>						
Benzene	ND	ND	ND	ND	20	µg/m3
Bromobenzene	ND	ND	ND	ND	20	µg/m3
Bromodichloromethane	ND	ND	ND	ND	20	µg/m3
Bromoform	ND	ND	ND	ND	20	µg/m3
n-Butylbenzene	ND	ND	ND	ND	30	µg/m3
sec-Butylbenzene	ND	ND	ND	ND	30	µg/m3
tert-Butylbenzene	ND	ND	ND	ND	30	µg/m3
Carbon tetrachloride	ND	ND	ND	ND	20	µg/m3
Chlorobenzene	ND	ND	ND	ND	20	µg/m3
Chloroform	ND	ND	ND	ND	20	µg/m3
2-Chlorotoluene	ND	ND	ND	ND	30	µg/m3
4-Chlorotoluene	ND	ND	ND	ND	30	µg/m3
Dibromochloromethane	ND	ND	ND	ND	20	µg/m3
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	20	µg/m3
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	20	µg/m3
Dibromomethane	ND	ND	ND	ND	20	µg/m3
1,2- Dichlorobenzene	ND	ND	ND	ND	40	µg/m3
1,3-Dichlorobenzene	ND	ND	ND	ND	40	µg/m3
1,4-Dichlorobenzene	ND	ND	ND	ND	40	µg/m3
Dichlorodifluoromethane	ND	ND	ND	ND	40	µg/m3
1,1-Dichloroethane	ND	ND	ND	ND	20	µg/m3
1,2-Dichloroethane	ND	ND	ND	ND	20	µg/m3
1,1-Dichloroethene	ND	ND	ND	ND	20	µg/m3
cis-1,2-Dichloroethene	ND	ND	ND	ND	20	µg/m3
trans-1,2-Dichloroethene	ND	ND	ND	ND	20	µg/m3
1,2-Dichloropropane	ND	ND	ND	ND	20	µg/m3
1,3-Dichloropropane	ND	ND	ND	ND	20	µg/m3
2,2-Dichloropropane	ND	ND	ND	ND	40	µg/m3
1,1-Dichloropropene	ND	ND	ND	ND	25	µg/m3

## JONES ENVIRONMENTAL LABORATORY RESULTS

### EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	<b>B-13</b>	<b>B-12</b>	<b>B-11</b>	<b>B-10</b>		
<u>Jones ID:</u>	<b>G-0347-16</b>	<b>G-0347-17</b>	<b>G-0347-18</b>	<b>G-0347-19</b>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>						
cis-1,3-Dichloropropene	ND	ND	ND	ND	20	µg/m3
trans-1,3-Dichloropropene	ND	ND	ND	ND	20	µg/m3
Ethylbenzene	ND	ND	ND	ND	20	µg/m3
Freon 113	ND	ND	ND	ND	40	µg/m3
Hexachlorobutadiene	ND	ND	ND	ND	60	µg/m3
Isopropylbenzene	ND	ND	ND	ND	20	µg/m3
4-Isopropyltoluene	ND	ND	ND	ND	20	µg/m3
Methylene chloride	ND	ND	ND	ND	20	µg/m3
Naphthalene	ND	ND	ND	ND	100	µg/m3
n-Propylbenzene	ND	ND	ND	ND	20	µg/m3
Styrene	ND	ND	ND	ND	20	µg/m3
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	20	µg/m3
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	40	µg/m3
Tetrachloroethene	<b>287</b>	<b>477</b>	<b>208</b>	<b>241</b>	20	µg/m3
Toluene	<b>24</b>	<b>31</b>	<b>25</b>	<b>28</b>	20	µg/m3
1,2,3-Trichlorobenzene	ND	ND	ND	ND	40	µg/m3
1,2,4-Trichlorobenzene	ND	ND	ND	ND	40	µg/m3
1,1,1-Trichloroethane	ND	ND	ND	ND	20	µg/m3
1,1,2-Trichloroethane	ND	ND	ND	ND	20	µg/m3
Trichloroethene	ND	ND	ND	ND	20	µg/m3
Trichlorofluoromethane	ND	ND	ND	ND	40	µg/m3
1,2,3-Trichloropropane	ND	ND	ND	ND	20	µg/m3
1,2,4-Trimethylbenzene	ND	ND	ND	ND	20	µg/m3
1,3,5-Trimethylbenzene	ND	ND	ND	ND	20	µg/m3
Vinyl chloride	ND	ND	ND	ND	20	µg/m3
m,p-Xylene	ND	ND	ND	ND	40	µg/m3
o-Xylene	ND	ND	ND	ND	20	µg/m3
MTBE	ND	ND	ND	ND	100	µg/m3
Ethyl-tert-butylether	ND	ND	ND	ND	100	µg/m3
Di-isopropylether	ND	ND	ND	ND	100	µg/m3
tert-amylmethylether	ND	ND	ND	ND	100	µg/m3
tert-Butylalcohol	ND	ND	ND	ND	1000	µg/m3
<b>Tracer:</b>						
n-Pentane	ND	ND	ND	ND	200	µg/m3
n-Hexane	ND	ND	ND	ND	200	µg/m3
n-Heptane	ND	ND	ND	ND	200	µg/m3
<u>Dilution Factor</u>	1	1	1	1		
<b>Surrogate Recoveries:</b>					<b>QC Limits</b>	
Dibromofluoromethane	97%	99%	98%	97%	60 - 140	
Toluene-d8	94%	93%	95%	91%	60 - 140	
4-Bromofluorobenzene	92%	98%	90%	89%	60 - 140	
<u>Batch ID:</u>	G1-070621-01	G1-070621-01	G1-070621-01	G1-070621-01		

ND = Value below reporting limit



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### JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Tetra Tech BAS, Inc.  
**Client Address:** 21700 Copley Drive, Suite 200  
Diamond Bar, CA 91765

**Report date:** 7/7/2021  
**Jones Ref. No.:** G-0347  
**Client Ref. No.:** 2021-0077

**Attn:** Marina Grigorova

**Date Sampled:** 7/6/2021  
**Date Received:** 7/6/2021  
**Date Analyzed:** 7/6/2021

**Project Address:** 777 W Orangethorpe Ave  
Placentia, CA 92870

**Physical State:** Soil Gas

#### EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	<b>METHOD</b>	<b>SAMPLING</b>		
	<b>BLANK</b>	<b>BLANK</b>		
<u>Jones ID:</u>	<b>070621- G1MB1</b>	<b>070621- G1SB1</b>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>				
Benzene	ND	ND	20	µg/m3
Bromobenzene	ND	ND	20	µg/m3
Bromodichloromethane	ND	ND	20	µg/m3
Bromoform	ND	ND	20	µg/m3
n-Butylbenzene	ND	ND	30	µg/m3
sec-Butylbenzene	ND	ND	30	µg/m3
tert-Butylbenzene	ND	ND	30	µg/m3
Carbon tetrachloride	ND	ND	20	µg/m3
Chlorobenzene	ND	ND	20	µg/m3
Chloroform	ND	ND	20	µg/m3
2-Chlorotoluene	ND	ND	30	µg/m3
4-Chlorotoluene	ND	ND	30	µg/m3
Dibromochloromethane	ND	ND	20	µg/m3
1,2-Dibromo-3-chloropropane	ND	ND	20	µg/m3
1,2-Dibromoethane (EDB)	ND	ND	20	µg/m3
Dibromomethane	ND	ND	20	µg/m3
1,2- Dichlorobenzene	ND	ND	40	µg/m3
1,3-Dichlorobenzene	ND	ND	40	µg/m3
1,4-Dichlorobenzene	ND	ND	40	µg/m3
Dichlorodifluoromethane	ND	ND	40	µg/m3
1,1-Dichloroethane	ND	ND	20	µg/m3
1,2-Dichloroethane	ND	ND	20	µg/m3
1,1-Dichloroethene	ND	ND	20	µg/m3
cis-1,2-Dichloroethene	ND	ND	20	µg/m3
trans-1,2-Dichloroethene	ND	ND	20	µg/m3
1,2-Dichloropropane	ND	ND	20	µg/m3
1,3-Dichloropropane	ND	ND	20	µg/m3
2,2-Dichloropropane	ND	ND	40	µg/m3
1,1-Dichloropropene	ND	ND	25	µg/m3

## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

### EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	METHOD BLANK	SAMPLING BLANK		
<u>Jones ID:</u>	070621- G1MB1	070621- G1SB1	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>				
cis-1,3-Dichloropropene	ND	ND	20	µg/m3
trans-1,3-Dichloropropene	ND	ND	20	µg/m3
Ethylbenzene	ND	ND	20	µg/m3
Freon 113	ND	ND	40	µg/m3
Hexachlorobutadiene	ND	ND	60	µg/m3
Isopropylbenzene	ND	ND	20	µg/m3
4-Isopropyltoluene	ND	ND	20	µg/m3
Methylene chloride	ND	ND	20	µg/m3
Naphthalene	ND	ND	100	µg/m3
n-Propylbenzene	ND	ND	20	µg/m3
Styrene	ND	ND	20	µg/m3
1,1,1,2-Tetrachloroethane	ND	ND	20	µg/m3
1,1,2,2-Tetrachloroethane	ND	ND	40	µg/m3
Tetrachloroethene	ND	ND	20	µg/m3
Toluene	ND	ND	20	µg/m3
1,2,3-Trichlorobenzene	ND	ND	40	µg/m3
1,2,4-Trichlorobenzene	ND	ND	40	µg/m3
1,1,1-Trichloroethane	ND	ND	20	µg/m3
1,1,2-Trichloroethane	ND	ND	20	µg/m3
Trichloroethene	ND	ND	20	µg/m3
Trichlorofluoromethane	ND	ND	40	µg/m3
1,2,3-Trichloropropane	ND	ND	20	µg/m3
1,2,4-Trimethylbenzene	ND	ND	20	µg/m3
1,3,5-Trimethylbenzene	ND	ND	20	µg/m3
Vinyl chloride	ND	ND	20	µg/m3
m,p-Xylene	ND	ND	40	µg/m3
o-Xylene	ND	ND	20	µg/m3
MTBE	ND	ND	100	µg/m3
Ethyl-tert-butylether	ND	ND	100	µg/m3
Di-isopropylether	ND	ND	100	µg/m3
tert-amylmethylether	ND	ND	100	µg/m3
tert-Butylalcohol	ND	ND	1000	µg/m3
<b>Tracer:</b>				
n-Pentane	ND	ND	200	µg/m3
n-Hexane	ND	ND	200	µg/m3
n-Heptane	ND	ND	200	µg/m3
<b><u>Dilution Factor</u></b>	1	1		
<b><u>Surrogate Recoveries:</u></b>			<b><u>QC Limits</u></b>	
Dibromofluoromethane	99%	98%	60 - 140	
Toluene-d8	97%	97%	60 - 140	
4-Bromofluorobenzene	94%	92%	60 - 140	
<b><u>Batch ID:</u></b>	G1-070621- 01	G1-070621- 01		

ND = Value below reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Tetra Tech BAS, Inc.  
**Client Address:** 21700 Copley Drive, Suite 200  
Diamond Bar, CA 91765

**Report date:** 7/7/2021  
**Jones Ref. No.:** G-0347  
**Client Ref. No.:** 2021-0077

**Attn:** Marina Grigorova

**Date Sampled:** 7/6/2021  
**Date Received:** 7/6/2021  
**Date Analyzed:** 7/6/2021

**Project Address:** 777 W Orangethorpe Ave  
Placentia, CA 92870

**Physical State:** Soil Gas

### EPA 8260B – Volatile Organics by GC/MS + Oxygenates

**Batch ID:** G1-070621-01

**Jones ID:**                   **070621-G1LCS1**      **070621-G1LCSD1**    **070621-G1CCV1**

<u>Parameter</u>	LCS Recovery (%)	LCSD Recovery (%)	<u>RPD</u>	Acceptability Range (%)	<u>CCV</u>	Acceptability Range (%)
Vinyl chloride	67%	58% <sup>2</sup>	14.7%	60 - 140	93%	80 - 120
1,1-Dichloroethene	89%	86%	2.7%	60 - 140	83%	80 - 120
Cis-1,2-Dichloroethene	96%	98%	1.2%	70 - 130	99%	80 - 120
1,1,1-Trichloroethane	102%	96%	6.1%	70 - 130	100%	80 - 120
Benzene	111%	110%	0.7%	70 - 130	113%	80 - 120
Trichloroethene	113%	92%	19.9%	70 - 130	105%	80 - 120
Toluene	119%	121%	1.8%	70 - 130	116%	80 - 120
Tetrachloroethene	129%	118%	9.1%	70 - 130	132% <sup>1</sup>	80 - 120
Chlorobenzene	122%	105%	15.5%	70 - 130	115%	80 - 120
Ethylbenzene	114%	97%	16.3%	70 - 130	116%	80 - 120
1,2,4 Trimethylbenzene	96%	104%	8.0%	70 - 130	109%	80 - 120

**Surrogate Recovery:**

Dibromofluoromethane	99%	95%		60 - 140	96%	60 - 140
Toluene-d <sub>8</sub>	99%	94%		60 - 140	97%	60 - 140
4-Bromofluorobenzene	94%	90%		60 - 140	94%	60 - 140

<sup>1</sup>Recovery outside of acceptable limits. LCS/LCSD recoveries and RPD were within QC limits, therefore data was accepted.

<sup>2</sup>Recovery outside of acceptable limits. CCV and LCS recoveries and LCS/LCSD RPD were within QC limits, therefore data was accepted.

LCS = Laboratory Control Sample

LCSD = Laboratory Control Sample Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 20%



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# Soil-Gas Chain-of-Custody Record

Client: **Tetra Tech**

Project Name: **777 w Orangethorpe Ave**

Project Address: **777 w Orangethorpe Ave**

City: **Placentia, CA 92870**

Phone: \_\_\_\_\_

Report To: **Marina Grigorova**

Sampler: **Dylan Lindsay**

Date: **7/6/2021**

Client Project #: **2021-0077**

Turn Around Requested

- Immediate Attention
- Rush 24 Hours
- Rush 48 Hours
- Rush 72 Hours
- Normal
- Mobile Lab

Reporting Limits

- Standard
- Low Level\*
- MDL\*

\*Surcharge for these limits

Purge Number:  P  3P  7P  10P

Shut-In Test:  Y  N

Tracer:  n-pentane  
 n-hexane  
 n-heptane  
 Isopropyl Alcohol  
 1,1-DFA

Units: **mg/m<sup>3</sup>**

Sample Matrix:  Soil Gas (SG),  Air (A),  Material (M)

EPA 8260B (VOCs)

Gasoline Range Organics

Magnehelic Vacuum (In/H<sub>2</sub>O)

Number of Containers

Report Options: EDD \_\_\_\_\_ EDF\* - 10% Surcharge \_\_\_\_\_

\*Global ID \_\_\_\_\_

Analysis Requested

LAB USE ONLY

Jones Project # **G-0347**

Page **1** of **2**

Sample Container: **GASTIGHT GLASS SYRINGE**

If different than above, see Notes.

Notes & Special Instructions

Sample ID	Purge Number	Purge Volume (mL)	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample ID	Purge Rate (mL/min)	Pump Used	Magnehelic	Sample Matrix	Analysis Requested	Magnehelic Vacuum (In/H <sub>2</sub> O)	Number of Containers
B-1	3	1630	7/6/21	9:28	9:30	G-0347-01	200	RENTAL.2	M100.201	SG	X	<2	1
B-1 REP	3	1630	7/6/21	9:32	9:45	G-0347-02	200	RENTAL.2	M100.201	SG	X	<2	1
B-2	3	1630	7/6/21	10:01	10:04	G-0347-03	200	SKC 183822	M100.203	SG	X	<2	1
B-3	3	1630	7/6/21	10:21	10:23	G-0347-04	200	RENTAL.2	118012	SG	X	<2	1
B-4	3	1630	7/6/21	10:42	10:44	G-0347-05	200	SKC 183822	M100.201	SG	X	<2	1
B-5	3	1630	7/6/21	11:04	11:06	G-0347-06	200	RENTAL.2	M100.203	SG	X	<2	1
B-9	3	1630	7/6/21	11:20	11:25	G-0347-07	200	SKC 183822	118012	SG	X	<2	1
B-8	3	1630	7/6/21	11:40	11:44	G-0347-08	200	RENTAL.2	M100.201	SG	X	<2	1
B-7	3	1630	7/6/21	12:00	12:03	G-0347-09	200	SKC 183822	M100.203	SG	X	<2	1
B-6	3	1630	7/6/21	12:22	12:24	G-0347-10	200	RENTAL.2	118012	SG	X	<2	1

Representative Signature: *Henry Salas* Printed Name: **Henry Salas** Date: **7/6/2021** Time: **16:05**

Laboratory Signature: *[Signature]* Printed Name: **Dylan Lindsay** Date: **7/6/2021** Time: **16:05**

Company: **Tetra Tech** Jones Environmental, Inc.

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate.

Total Number of Containers: **10**



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# Soil-Gas Chain-of-Custody Record

Client  
**Tetra Tech**

Project Name

**777 W Orangethorpe Ave**

Project Address

**777 W Orangethorpe Ave**

**Placentia, CA 92870**

Email

Phone

Report To  
**Marina Grigorova**

Sampler

Sample ID	Purge Number	Purge Volume (mL)	Date	Sample Collection Time	Sample Analysis Time
B-18	3	1630	7/6/21	12:37	12:44
B-17	3	1630	7/6/21	12:59	13:05
B-16	3	1630	7/6/21	13:13	13:24
B-15	3	1630	7/6/21	13:38	13:44
B-14	3	1630	7/6/21	13:58	14:06
B-13	3	1630	7/6/21	14:19	14:25
B-12	3	1630	7/6/21	14:40	14:46
B-11	3	1630	7/6/21	14:58	15:06
B-10	3	1630	7/6/21	15:20	15:30

Date

7/6/2021

Client Project #

Purge Number:  
 1P  2P  7P  10P  
 Shut-In Test:  Y  N

Report Options  
 EDD \_\_\_\_\_  
 EDF\* - 10% Surcharge \_\_\_\_\_  
 \*Global ID \_\_\_\_\_

Turn Around Requested

- Immediate Attention
- Rush 24 Hours
- Rush 48 Hours
- Rush 72 Hours
- Normal
- Mobile Lab

Reporting Limits

- Standard
- Low Level\*
- MDL\*

Units  
*mg/m<sup>3</sup>*

Sample Matrix:

Soil Gas (SG), Air (A), Material (M)

EPA 8260B (VOCs)

Gasoline Range Organics

Magnehelic Vacuum (ln/H<sub>2</sub>O)

Number of Containers

Analysis Requested

Notes & Special Instructions

Representative Signature  
*Henry Sales*

Printed Name  
**Henry Sales**

Date

#SPILL

Time

16:05

Laboratory Signature  
*Dylan Lindsay*

Printed Name  
**Dylan Lindsay**

Date

7/6/2021

Time

16:05

Company

Tetra Tech

Printed Name

Date

Time

Company

JONES ENVIRONMENTAL, INC.

Printed Name

Date

Time

Company

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate.

LAB USE ONLY

Jones Project #

**G-0347**

Page

2 of 2

Sample Container:

GASTIGHT GLASS SYRINGE

If different than above, see Notes.

Total Number of Containers

9



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**JONES ENVIRONMENTAL  
LABORATORY RESULTS**

**Client:** Tetra Tech Bas  
**Client Address:** 21700 Copley Drive, Suite 200  
Diamond Bar, CA 91765

**Report date:** 7/15/2021  
**Jones Ref. No.:** ST-17764  
**Client Ref. No.:** 2021-0077

**Attn:** Marina Grigorova

**Date Sampled:** 7/6/2021  
**Date Received:** 7/6/2021

**Project:** Placentia  
**Project Address:** 777 W. Orangethorpe Ave  
Placentia, CA 92870

**Date Analyzed:** 7/12/2021  
**Physical State:** Soil

---

**ANALYSES REQUESTED**

**Soil:**

1. EPA 8015M – Extended Range Hydrocarbons
2. EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics
3. EPA 6010B by 3050B and EPA 7471A – CAM 17 Metals
4. EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

**Approval:**

Colby Wakeman  
QA/QC Manager



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**JONES ENVIRONMENTAL  
LABORATORY RESULTS**

**Client:** Tetra Tech Bas  
**Client Address:** 21700 Copley Drive, Suite 200  
Diamond Bar, CA 91765

**Report date:** 7/15/2021  
**Jones Ref. No.:** ST-17764  
**Client Ref. No.:** 2021-0077

**Attn:** Marina Grigorova

**Date Sampled:** 7/6/2021

**Project:** Placentia  
**Project Address:** 777 W Orangethorpe Ave  
Placentia, CA 92870

**Date Received:** 7/6/2021  
**Date Analyzed:** 7/12/2021  
**Physical State:** Soil

**EPA 8015M - Extended Range Hydrocarbons**

<u>Sample ID:</u>	B-1	B-2	B-3	B-4	B-7		
<u>Jones ID:</u>	ST-17764-01	ST-17764-02	ST-17764-03	ST-17764-04	ST-17764-05	<u>Reporting Limit</u>	<u>Units</u>
<b>Carbon Chain Range</b>							
C10 - C11	ND	ND	ND	ND	ND	1.0	mg/kg
C12 - C13	ND	ND	ND	ND	ND	1.0	mg/kg
C14 - C15	ND	ND	ND	ND	ND	1.0	mg/kg
C16 - C17	ND	ND	ND	ND	ND	1.0	mg/kg
C18 - C19	ND	ND	ND	ND	ND	1.0	mg/kg
C20 - C23	ND	ND	ND	ND	ND	1.0	mg/kg
C24 - C27	ND	ND	ND	ND	ND	1.0	mg/kg
C28 - C31	ND	ND	ND	ND	ND	1.0	mg/kg
C32 - C35	ND	ND	ND	ND	ND	1.0	mg/kg
C36 - C39	ND	ND	ND	ND	ND	1.0	mg/kg
C40 - C43	ND	ND	ND	ND	ND	1.0	mg/kg
C13 - C22	ND	ND	ND	ND	ND	10.0	mg/kg
C23 - C40	ND	ND	ND	ND	ND	10.0	mg/kg
<b><u>Dilution Factor</u></b>	1	1	1	1	1		
<b><u>Surrogate Recovery:</u></b>							<b><u>QC Limits</u></b>
Hexacosane	89%	80%	94%	89%	98%		30 - 120
<b><u>Batch:</u></b>	FID8	FID8	FID8	FID8	FID8		
	_071221_01	_071221_01	_071221_01	_071221_01	_071221_01		

ND = Value less than reporting limit



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**JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION**

<b>Client:</b>	Tetra Tech Bas	<b>Report date:</b>	7/15/2021
<b>Client Address:</b>	21700 Copley Drive, Suite 200 Diamond Bar, CA 91765	<b>Jones Ref. No.:</b>	ST-17764
		<b>Client Ref. No.:</b>	2021-0077
<b>Attn:</b>	Marina Grigorova	<b>Date Sampled:</b>	7/6/2021
		<b>Date Received:</b>	7/6/2021
<b>Project:</b>	Placentia	<b>Date Analyzed:</b>	7/12/2021
<b>Project Address:</b>	777 W Orangethorpe Ave Placentia, CA 92870	<b>Physical State:</b>	Soil

**EPA 8015M - Extended Range Hydrocarbons**

<b><u>Sample ID:</u></b>	<b>METHOD</b>		
	<b>BLANK #1</b>		
<b><u>Jones ID:</u></b>	<b>MB1-</b>		
	<b>071221FID8</b>	<b><u>Reporting Limit</u></b>	<b><u>Units</u></b>
<b>Carbon Chain Range</b>			
C10 - C11	ND	1.0	mg/kg
C12 - C13	ND	1.0	mg/kg
C14 - C15	ND	1.0	mg/kg
C16 - C17	ND	1.0	mg/kg
C18 - C19	ND	1.0	mg/kg
C20 - C23	ND	1.0	mg/kg
C24 - C27	ND	1.0	mg/kg
C28 - C31	ND	1.0	mg/kg
C32 - C35	ND	1.0	mg/kg
C36 - C39	ND	1.0	mg/kg
C40 - C43	ND	1.0	mg/kg
C13 - C22	ND	10.0	mg/kg
C23 - C40	ND	10.0	mg/kg
<b><u>Dilution Factor</u></b>	1		
<b><u>Surrogate Recovery:</u></b>		<b><u>QC Limits</u></b>	
Hexacosane	120%	30 - 120	
<b><u>Batch:</u></b>	FID8		
	_071221_01		

ND = Value less than reporting limit



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**JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION**

**Client:** Tetra Tech Bas  
**Client Address:** 21700 Copley Drive, Suite 200  
Diamond Bar, CA 91765

**Report date:** 7/15/2021  
**Jones Ref. No.:** ST-17764  
**Client Ref. No.:** 2021-0077

**Attn:** Marina Grigorova

**Date Sampled:** 7/6/2021  
**Date Received:** 7/6/2021

**Project:** Placentia  
**Project Address:** 777 W Orangethorpe Ave  
Placentia, CA 92870

**Date Analyzed:** 7/12/2021  
**Physical State:** Soil

**BATCH:** FID8\_071221\_01      **Prepared:** 7/12/2021      **Analyzed:** 7/12/2021

**EPA 8015M - Extended Range Hydrocarbons**

	Result	Spike Level	% Recovery	% RPD	% Recovery Limits	Units
<b>LCS:</b>	LCS1-071221FID8	<b>SAMPLE SPIKED:</b>	CLEAN SOIL			
<b>Analyte:</b>						
Diesel (C10 - C28)	645	500	129%		60 - 140	mg/kg
<b>Surrogate Recovery:</b>						
Hexacosane			120%		30 - 120	
<b>LCSD:</b>	LCSD1-071221FID8	<b>SAMPLE SPIKED:</b>	CLEAN SOIL			
<b>Analyte:</b>						
Diesel (C10 - C28)	623	500	125%	3.5%	60 - 140	mg/kg
<b>Surrogate Recoveries:</b>						
Hexacosane			108%		30 - 120	
<b>CCV:</b>	CCV1-071221FID8					
<b>Analyte:</b>						
Diesel (C10 - C28)	1080	1000	108%		80 - 120	mg/kg

LCS = Laboratory Control Sample  
LCSD= Laboratory Control Sample Duplicate  
CCV = Continuing Calibration Verification  
RPD = Relative Percent Difference



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### JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Tetra Tech BAS  
**Client Address:** 21700 Copley Drive, Suite 200  
Diamond Bar, CA 91765

**Attn:** Marina Grigorova

**Project:** Placentia  
777 W. Orangethorpe Ave  
Placentia, CA 92870

**Report date:** 7/15/2021  
**Jones Ref. No.:** ST-17764  
**Client Ref. No.:** 2021-0077

**Date Sampled:** 7/6/2021  
**Date Received:** 7/6/2021  
**Date Analyzed:** 7/10/2021  
**Physical State:** Soil

#### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	<b>B-1</b>	<b>B-2</b>	<b>B-3</b>	<b>B-4</b>	<b>B-7</b>		
<u>Jones ID:</u>	ST-17764-01	ST-17764-02	ST-17764-03	ST-17764-04	ST-17764-05	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	<b>1.0</b>	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

## JONES ENVIRONMENTAL LABORATORY RESULTS

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	<b>B-1</b>	<b>B-2</b>	<b>B-3</b>	<b>B-4</b>	<b>B-7</b>		
<u>Jones ID:</u>	<b>ST-17764-01</b>	<b>ST-17764-02</b>	<b>ST-17764-03</b>	<b>ST-17764-04</b>	<b>ST-17764-05</b>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 11	ND	ND	ND	ND	ND	5.0	µg/kg
Freon 12	ND	ND	ND	ND	ND	5.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	<b>1.3</b>	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
m,p-Xylene	ND	ND	ND	ND	ND	2.0	µg/kg
o-Xylene	ND	ND	ND	ND	ND	1.0	µg/kg
Methyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics (C4-C12)	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	108%	108%	107%	110%	111%	60 - 140	
Toluene-d <sub>8</sub>	94%	92%	89%	97%	97%	60 - 140	
4-Bromofluorobenzene	96%	96%	95%	98%	100%	60 - 140	
<u>Batch:</u>	VOC1-071021-01	VOC1-071021-01	VOC1-071021-01	VOC1-071021-01	VOC1-071021-01		

ND = Value less than reporting limit



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**JONES ENVIRONMENTAL LABORATORY RESULTS**

**Client:** Tetra Tech BAS  
**Client Address:** 21700 Copley Drive, Suite 200  
Diamond Bar, CA 91765

**Report date:** 7/15/2021  
**Jones Ref. No.:** ST-17764  
**Client Ref. No.:** 2021-0077

**Attn:** Marina Grigorova

**Date Sampled:** 7/6/2021

**Project:** Placentia  
777 W. Orangethorpe Ave  
Placentia, CA 92870

**Date Received:** 7/6/2021  
**Date Analyzed:** 7/10/2021  
**Physical State:** Soil

**EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics**

<u>Sample ID:</u>	<u>METHOD</u>	<u>METHOD</u>		
	<u>BLANK #1</u>	<u>BLANK #2</u>		
<u>Jones ID:</u>	<u>071021-</u>	<u>071121-</u>		
	<u>V1MB1</u>	<u>V1MB1</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>				
Benzene	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	1.0	µg/kg
Bromoform	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	1.0	µg/kg
Chloroform	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	1.0	µg/kg
1,1-Dichloroethane	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	1.0	µg/kg
cis-1,3-Dichloropropene	ND	ND	1.0	µg/kg

## JONES ENVIRONMENTAL LABORATORY RESULTS

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	METHOD BLANK #1	METHOD BLANK #2		
<u>Jones ID:</u>	071021- V1MB1	071121- V1MB1	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>				
trans-1,3-Dichloropropene	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	1.0	µg/kg
Freon 11	ND	ND	5.0	µg/kg
Freon 12	ND	ND	5.0	µg/kg
Freon 113	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	1.0	µg/kg
Styrene	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	1.0	µg/kg
Tetrachloroethene	ND	ND	1.0	µg/kg
Toluene	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	1.0	µg/kg
Trichloroethene	ND	ND	1.0	µg/kg
1,2,3-Trichloropropane	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	1.0	µg/kg
m,p-Xylene	ND	ND	2.0	µg/kg
o-Xylene	ND	ND	1.0	µg/kg
Methyl-tert-butylether	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	50.0	µg/kg
Gasoline Range Organics (C4-C12)	ND	ND	0.20	mg/kg
<b><u>Dilution Factor</u></b>	1	1		
<b><u>Surrogate Recoveries:</u></b>			<b><u>QC Limits</u></b>	
Dibromofluoromethane	112%	110%	60 - 140	
Toluene-d <sub>8</sub>	96%	95%	60 - 140	
4-Bromofluorobenzene	102%	97%	60 - 140	
<b><u>Batch:</u></b>	VOC1-071021- 01	VOC1-071121- 01		

ND = Value less than reporting limit



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**JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION**

**Client:** Tetra Tech BAS  
**Client Address:** 21700 Copley Drive, Suite 200  
Diamond Bar, CA 91765  
  
**Attn:** Marina Grigorova  
  
**Project:** Placentia  
777 W. Orangethorpe Ave  
Placentia, CA 92870

**Report date:** 7/15/2021  
**Jones Ref. No.:** ST-17764  
**Client Ref. No.:** 2021-0077  
  
**Date Sampled:** 7/6/2021  
**Date Received:** 7/6/2021  
**Date Analyzed:** 7/10/2021  
**Physical State:** Soil

**EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics**

GC#:	VOC1-071021-01						
	Jones ID:		071021-V1LCS1		071021-V1LCSD1		071021-V1CCV1
Parameter	LCS	LCSD	RPD	Acceptability	CCV	Acceptability	
	Recovery (%)	Recovery (%)		Range (%)		Range (%)	
Vinyl chloride	118%	103%	13.0%	60 - 140	90%	80 - 120	
1,1-Dichloroethene	120%	114%	5.9%	60 - 140	112%	80 - 120	
Cis-1,2-Dichloroethene	114%	111%	2.7%	70 - 130	108%	80 - 120	
1,1,1-Trichloroethane	112%	105%	6.6%	70 - 130	106%	80 - 120	
Benzene	109%	108%	1.6%	70 - 130	109%	80 - 120	
Trichloroethene	109%	105%	3.6%	70 - 130	106%	80 - 120	
Toluene	105%	102%	3.2%	70 - 130	105%	80 - 120	
Tetrachloroethene	112%	105%	6.5%	70 - 130	113%	80 - 120	
Chlorobenzene	101%	105%	3.7%	70 - 130	102%	80 - 120	
Ethylbenzene	119%	111%	7.0%	70 - 130	119%	80 - 120	
1,2,4 Trimethylbenzene	118%	114%	3.2%	70 - 130	117%	80 - 120	
Gasoline Range Organics (C4-C12)	113%	109%	3.8%	70 - 130			
<b>Surrogate Recovery:</b>							
Dibromofluoromethane	100%	107%		60 - 140	108%	80 - 120	
Toluene-d8	95%	93%		60 - 140	102%	80 - 120	
4-Bromofluorobenzene	95%	94%		60 - 140	109%	80 - 120	

LCS = Laboratory Control Sample  
 LCSD = Laboratory Control Sample Duplicate  
 CCV = Continuing Calibration Verification  
 RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 20%



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### JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Tetra Tech BAS  
**Client Address:** 21700 Copley Drive, Suite 200  
Diamond Bar, CA 91765  
**Attn:** Marina Grigorova  
**Project:** Placentia  
777 W. Orangethorpe Ave  
Placentia, CA 92870

**Report date:** 7/15/2021  
**Jones Ref. No.:** ST-17764  
**Client Ref. No.:** 2021-0077  
**Date Sampled:** 7/6/2021  
**Date Received:** 7/6/2021  
**Date Analyzed:** 7/10/2021  
**Physical State:** Soil

#### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

GC#:	VOC1-071121-01						
	Jones ID:		071121-V1LCS1		071121-V1LCSD1		071121-V1CCV1
Parameter	LCS	LCSD	RPD	Acceptability	CCV	Acceptability	
	Recovery (%)	Recovery (%)		Range (%)		Range (%)	
Vinyl chloride	115%	109%	5.9%	60 - 140	92%	80 - 120	
1,1-Dichloroethene	122%	111%	8.9%	60 - 140	107%	80 - 120	
Cis-1,2-Dichloroethene	116%	107%	8.7%	70 - 130	106%	80 - 120	
1,1,1-Trichloroethane	112%	109%	2.4%	70 - 130	102%	80 - 120	
Benzene	112%	107%	4.9%	70 - 130	107%	80 - 120	
Trichloroethene	114%	105%	8.6%	70 - 130	104%	80 - 120	
Toluene	111%	105%	5.7%	70 - 130	104%	80 - 120	
Tetrachloroethene	118%	112%	5.3%	70 - 130	111%	80 - 120	
Chlorobenzene	114%	101%	11.9%	70 - 130	102%	80 - 120	
Ethylbenzene	129%	117%	9.7%	70 - 130	116%	80 - 120	
1,2,4 Trimethylbenzene	129%	116%	11.1%	70 - 130	113%	80 - 120	
Gasoline Range Organics (C4-C12)	120%	111%	8.0%	70 - 130			
<b>Surrogate Recovery:</b>							
Dibromofluoromethane	108%	110%		60 - 140	109%	80 - 120	
Toluene-d <sub>8</sub>	94%	95%		60 - 140	105%	80 - 120	
4-Bromofluorobenzene	97%	97%		60 - 140	114%	80 - 120	

LCS = Laboratory Control Sample  
LCSD = Laboratory Control Sample Duplicate  
CCV = Continuing Calibration Verification  
RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 20%



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**JONES ENVIRONMENTAL  
LABORATORY RESULTS**

**Client:** Tetra Tech BAS  
**Client Address:** 21700 Copley Drive, Suite 200  
Diamond Bar, CA 91765

**Report date:** 7/15/2021  
**Jones Ref. No.:** ST-17764  
**Client Ref. No.:** 2021-0077

**Attn:** Marina Grigorova

**Date Sampled:** 7/6/2021

**Project:** Placentia  
**Project Address:** 777 W. Orangethorpe Ave  
Placentia, CA 92870

**Date Received:** 7/6/2021  
**Date Analyzed:** 7/12,14/2021  
**Physical State:** Soil

**EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES**

<u>Sample ID:</u>	B-1	B-2	B-3	B-4	B-7		
<u>Jones ID:</u>	ST-17764-01	ST-17764-02	ST-17764-03	ST-17764-04	ST-17764-05	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Silver, Ag	ND	ND	ND	ND	ND	0.5	mg/kg
Arsenic, As	ND	ND	ND	ND	ND	5.0	mg/kg
Barium, Ba	79.9	94.0	83.0	86.6	96.9	0.5	mg/kg
Beryllium, Be	ND	ND	ND	ND	ND	0.5	mg/kg
Cadmium, Cd	2.4	2.5	2.5	2.2	2.7	0.5	mg/kg
Cobalt, Co	7.3	6.7	6.7	6.0	7.1	0.5	mg/kg
Chromium, Cr	16.9	16.7	16.7	11.0	17.8	0.5	mg/kg
Copper, Cu	11.6	12.3	11.5	11.7	12.8	0.5	mg/kg
Molybdenum, Mo	2.9	2.7	2.6	2.1	3.3	0.5	mg/kg
Nickel, Ni	15.7	17.2	16.5	10.9	17.4	0.5	mg/kg
Lead, Pb	3.1	3.0	3.0	9.1	3.1	0.5	mg/kg
Antimony, Sb	ND	ND	ND	ND	ND	5.0	mg/kg
Selenium, Se	ND	ND	ND	ND	ND	5.0	mg/kg
Thallium, Tl	ND	ND	ND	ND	ND	5.0	mg/kg
Vanadium, V	35.9	36.4	35.6	27.8	38.4	0.5	mg/kg
Zinc, Zn	46.9	47.2	45.5	48.8	49.1	2.0	mg/kg
<b><u>Dilution Factor</u></b>	1	1	1	1	1		

**Batch:** I21070901 I21070902 I21070903 I21070904 I21070905

**EPA 7471A - Mercury by Cold Vapor Atomic Absorption**

<u>Sample ID:</u>	B-1	B-2	B-3	B-4	B-7		
<u>Jones ID:</u>	ST-17764-01	ST-17764-02	ST-17764-03	ST-17764-04	ST-17764-05	<u>Reporting Limit</u>	<u>Units</u>
Mercury, Hg	ND	ND	ND	ND	ND	0.020	mg/kg
<b><u>Dilution Factor</u></b>	1	1	1	1	1		
<b><u>Batch:</u></b>	H21070901	H21070901	H21070901	H21070901	H21070901		

ND = Value less than reporting limit



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**JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION**

<b>Client:</b>	Tetra Tech BAS	<b>Report date:</b>	7/15/2021
<b>Client Address:</b>	21700 Copley Drive, Suite 200 Diamond Bar, CA 91765	<b>Jones Ref. No.:</b>	ST-17764
		<b>Client Ref. No.:</b>	2021-0077
<b>Attn:</b>	Marina Grigorova	<b>Date Sampled:</b>	7/6/2021
		<b>Date Received:</b>	7/6/2021
<b>Project:</b>	Placentia	<b>Date Analyzed:</b>	7/12,14/2021
<b>Project Address:</b>	777 W. Orangethorpe Ave Placentia, CA 92870	<b>Physical State:</b>	Soil

**BATCH:** I21070901      **Prepared:** 7/9/2021      **Analyzed:** 7/14/2021

**EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES**

Analytes:	Result	Spike Level	% REC	% REC Limits	% RPD	Reporting Limit	Units
<b>METHOD BLANK:</b>	<b>I210709-MB1</b>						
Silver, Ag	ND					0.5	mg/kg
Arsenic, As	ND					5.0	mg/kg
Barium, Ba	ND					0.5	mg/kg
Beryllium, Be	ND					0.5	mg/kg
Cadmium, Cd	ND					0.5	mg/kg
Cobalt, Co	ND					0.5	mg/kg
Chromium, Cr	ND					0.5	mg/kg
Copper, Cu	ND					0.5	mg/kg
Molybdenum, Mo	ND					0.5	mg/kg
Nickel, Ni	ND					0.5	mg/kg
Lead, Pb	ND					0.5	mg/kg
Antimony, Sb	ND					5.0	mg/kg
Selenium, Se	ND					5.0	mg/kg
Thallium, Tl	ND					5.0	mg/kg
Vanadium, V	ND					0.5	mg/kg
Zinc, Zn	ND					2.0	mg/kg

ND= Not Detected



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**JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION**

<b>Client:</b>	Tetra Tech BAS	<b>Report date:</b>	7/15/2021
<b>Client Address:</b>	21700 Copley Drive, Suite 200 Diamond Bar, CA 91765	<b>Jones Ref. No.:</b>	ST-17764
		<b>Client Ref. No.:</b>	2021-0077
<b>Attn:</b>	Marina Grigorova	<b>Date Sampled:</b>	7/6/2021
		<b>Date Received:</b>	7/6/2021
<b>Project:</b>	Placentia	<b>Date Analyzed:</b>	7/12,14/2021
<b>Project Address:</b>	777 W. Orangethorpe Ave Placentia, CA 92870	<b>Physical State:</b>	Soil

**BATCH:** I21070901      **Prepared:** 7/9/2021      **Analyzed:** 7/14/2021

**EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES**

	Result	Spike Level	% REC	% RPD	% REC Limits	Units
<b>Analyses:</b>						
<b>LCS: I210709-LCS1</b>						
Barium, Ba	211	200	106%		80 - 120	mg/kg
Cobalt, Co	52.4	50.0	105%		80 - 120	mg/kg
Lead, Pb	54.1	50.0	108%		80 - 120	mg/kg
Selenium, Se	207	200	104%		80 - 120	mg/kg
Zinc, Zn	50.9	50.0	102%		80 - 120	mg/kg
<b>LCSD: I210709-LCSD1</b>						
Barium, Ba	216	200	108%	2.3%	80 - 120	mg/kg
Cobalt, Co	53.5	50.0	107%	2.1%	80 - 120	mg/kg
Lead, Pb	54.2	50.0	108%	0.2%	80 - 120	mg/kg
Selenium, Se	208	200	104%	0.5%	80 - 120	mg/kg
Zinc, Zn	51.4	50.0	103%	1.0%	80 - 120	mg/kg
<b>CCV: I210709-CCV1</b>						
Barium, Ba	0.99	1.00	99%		90-110	mg/L
Cobalt, Co	1.00	1.00	100%		90-110	mg/L
Lead, Pb	1.02	1.00	102%		90-110	mg/L
Selenium, Se	1.05	1.00	105%		90-110	mg/L
Zinc, Zn	0.99	1.00	99%		90-110	mg/L

CCV = Continuing Calibration Verification  
LCS = Laboratory Control Sample  
LCSD= Laboratory Control Sample Duplicate

ND= Not Detected  
RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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**JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION**

**Client:** Tetra Tech BAS  
**Client Address:** 21700 Copley Drive, Suite 200  
Diamond Bar, CA 91765

**Report date:** 7/15/2021  
**Jones Ref. No.:** ST-17764  
**Client Ref. No.:** 2021-0077

**Attn:** Marina Grigorova

**Date Sampled:** 7/6/2021  
**Date Received:** 7/6/2021  
**Date Analyzed:** 7/12,14/2021

**Project:** Placentia  
**Project Address:** 777 W. Orangethorpe Ave  
Placentia, CA 92870

**Physical State:** Soil

**BATCH:** H21070901      **Prepared:** 7/9/2021      **Analyzed:** 7/12/2021

**EPA 7471A - Mercury by Cold Vapor Atomic Absorption**

Analytes:	Result	Spike Level	% REC	% RPD	% REC Limits	Reporting Limit	Units
<b>METHOD BLANK:</b>	<b>H210709-MB1</b>						
Mercury, Hg	ND					0.020	mg/kg

<b>LCS:</b>	<b>H210709-LCS1</b>						
Mercury, Hg	0.95	1.00	95%		80 - 120		mg/kg

<b>LCSD:</b>	<b>H210709-LCSD1</b>						
Mercury, Hg	0.98	1.00	98%	3.5%	80 - 120		mg/kg

<b>CCV:</b>	<b>H210709-CCV1</b>						
Mercury, Hg	4.89	5.00	98%		90-110		µg/L

ND= Not Detected  
RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%

LCS = Laboratory Control Sample  
LCSD= Laboratory Control Sample Duplicate  
CCV = Continuing Calibration Verification  
RPD = Relative Percent Difference



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WWW.JONESENV.COM

**JONES ENVIRONMENTAL LABORATORY RESULTS**

**Client:** Tetra Tech Bas  
**Client Address:** 21700 Copley Drive, Suite 200  
Diamond Bar, CA 91765

**Report date:** 7/15/2021  
**Jones Ref. No.:** ST-17764  
**Client Ref. No.:** 2021-0077

**Attn:** Marina Grigorova

**Date Sampled:** 7/6/2021

**Project:** Placentia  
**Project Address:** 777 W Orangethorpe Ave  
Placentia, CA 92870

**Date Received:** 7/6/2021  
**Date Analyzed:** 7/13/2021  
**Physical State:** Soil

**Sample ID:** B-1

**Jones ID:** ST-17764-01

**EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD**

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_071321_02	7/9/2021	7/13/2021	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

**Surrogate Recoveries:**

**QC Limits**

TCMX	95%	30 - 120
Decachlorobiphenyl	94%	30 - 120

ND = Value less than reporting limit



714-449-9937  
562-646-1611

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**JONES ENVIRONMENTAL LABORATORY RESULTS**

**Client:** Tetra Tech Bas  
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Diamond Bar, CA 91765

**Report date:** 7/15/2021  
**Jones Ref. No.:** ST-17764  
**Client Ref. No.:** 2021-0077

**Attn:** Marina Grigorova

**Date Sampled:** 7/6/2021  
**Date Received:** 7/6/2021

**Project:** Placentia  
**Project Address:** 777 W Orangethorpe Ave  
Placentia, CA 92870

**Date Analyzed:** 7/13/2021  
**Physical State:** Soil

**Sample ID:** B-2

**Jones ID:** ST-17764-02

**EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD**

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_071321_02	7/9/2021	7/13/2021	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

**Surrogate Recoveries:**

**QC Limits**

TCMX	109%	30 - 120
Decachlorobiphenyl	120%	30 - 120

ND = Value less than reporting limit



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**JONES ENVIRONMENTAL LABORATORY RESULTS**

**Client:** Tetra Tech Bas  
**Client Address:** 21700 Copley Drive, Suite 200  
Diamond Bar, CA 91765

**Report date:** 7/15/2021  
**Jones Ref. No.:** ST-17764  
**Client Ref. No.:** 2021-0077

**Attn:** Marina Grigorova

**Date Sampled:** 7/6/2021  
**Date Received:** 7/6/2021

**Project:** Placentia  
**Project Address:** 777 W Orangethorpe Ave  
Placentia, CA 92870

**Date Analyzed:** 7/13/2021  
**Physical State:** Soil

**Sample ID:** B-3

**Jones ID:** ST-17764-03

**EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD**

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_071321_02	7/9/2021	7/13/2021	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

**Surrogate Recoveries:**

**QC Limits**

TCMX	105%	30 - 120
Decachlorobiphenyl	110%	30 - 120

ND = Value less than reporting limit



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### JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Tetra Tech Bas  
**Client Address:** 21700 Copley Drive, Suite 200  
Diamond Bar, CA 91765

**Report date:** 7/15/2021  
**Jones Ref. No.:** ST-17764  
**Client Ref. No.:** 2021-0077

**Attn:** Marina Grigorova

**Date Sampled:** 7/6/2021

**Project:** Placentia  
**Project Address:** 777 W Orangethorpe Ave  
Placentia, CA 92870

**Date Received:** 7/6/2021  
**Date Analyzed:** 7/13/2021  
**Physical State:** Soil

**Sample ID:** B-4

**Jones ID:** ST-17764-04

#### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_071321_02	7/9/2021	7/13/2021	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

#### Surrogate Recoveries:

#### QC Limits

TCMX	72%	30 - 120
Decachlorobiphenyl	88%	30 - 120

ND = Value less than reporting limit



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**JONES ENVIRONMENTAL LABORATORY RESULTS**

**Client:** Tetra Tech Bas  
**Client Address:** 21700 Copley Drive, Suite 200  
Diamond Bar, CA 91765

**Report date:** 7/15/2021  
**Jones Ref. No.:** ST-17764  
**Client Ref. No.:** 2021-0077

**Attn:** Marina Grigorova

**Date Sampled:** 7/6/2021  
**Date Received:** 7/6/2021

**Project:** Placentia  
**Project Address:** 777 W Orangethorpe Ave  
Placentia, CA 92870

**Date Analyzed:** 7/13/2021  
**Physical State:** Soil

**Sample ID:** B-7

**Jones ID:** ST-17764-05

**EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD**

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_071321_02	7/9/2021	7/13/2021	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

**Surrogate Recoveries:**

**QC Limits**

TCMX	85%	30 - 120
Decachlorobiphenyl	87%	30 - 120

ND = Value less than reporting limit



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### JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Tetra Tech Bas  
**Client Address:** 21700 Copley Drive, Suite 200  
Diamond Bar, CA 91765

**Report date:** 7/15/2021  
**Jones Ref. No.:** ST-17764  
**Client Ref. No.:** 2021-0077

**Attn:** Marina Grigorova

**Date Sampled:** 7/6/2021

**Project:** Placentia  
**Project Address:** 777 W Orangethorpe Ave  
Placentia, CA 92870

**Date Received:** 7/6/2021  
**Date Analyzed:** 7/13/2021  
**Physical State:** Soil

**Sample ID:** Method Blank

**Jones ID:** MB1-071321ECD4

#### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_071321_02	7/9/2021	7/13/2021	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

**Surrogate Recoveries:**

**QC Limits**

TCMX	81%	30-120
Decachlorobiphenyl	106%	30-120

ND = Value less than reporting limit



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**JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION**

**Client:** Tetra Tech Bas  
**Client Address:** 21700 Copley Drive, Suite 200  
Diamond Bar, CA 91765

**Report date:** 7/15/2021  
**Jones Ref. No.:** ST-17764  
**Client Ref. No.:** 2021-0077

**Attn:** Marina Grigorova

**Date Sampled:** 7/6/2021  
**Date Received:** 7/6/2021

**Project:** Placentia  
**Project Address:** 777 W Orangethorpe Ave  
Placentia, CA 92870

**Date Analyzed:** 7/13/2021  
**Physical State:** Soil

**BATCH:** ECD4\_071321\_02      **Prepared:**      **Analyzed:**  
EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	Result	Spike Level	Source Result	% Recovery	% RPD	% Recovery Limits	Units
<b>LCS:</b>	<b>LCS1-071321ECD4</b>		<b>SAMPLE SPIKED:</b>		<b>CLEAN SOIL</b>		
<b>Analytes:</b>							
Aroclor 1016	501	500		100%		50 - 120	ppb
Aroclor 1260	573	500		115%		50 - 120	ppb
<b>Surrogate Recoveries:</b>							
TCMX				112%		30 - 120	
Decachlorobiphenyl				115%		30 - 120	

<b>LCSD:</b>	<b>LCSD1-071321ECD4</b>		<b>SAMPLE SPIKED:</b>		<b>CLEAN SOIL</b>		
Aroclor 1016	501	500		100%		50 - 120	ppb
Aroclor 1260	589	500		118%	2.8%	50 - 120	ppb
<b>Surrogate Recovery:</b>							
TCMX				109%		30 - 120	
Decachlorobiphenyl				120%		30 - 120	

<b>CCV:</b>	<b>CCV1-071321ECD4</b>						
<b>Analytes:</b>							
Aroclor 1016	1010	1000		101%		80-120	ppb
Aroclor 1260	1200	1000		120%		80-120	ppb
<b>Surrogate Recoveries:</b>							
TCMX				101%		80-120	
Decachlorobiphenyl				112%		80-120	

LCS= Laboratory Control Sample  
LCSD= Laboratory Control Sample Duplicate  
CCV= Continuing Calibration Verification  
RPD = Relative Percent Difference



CHAIN OF CUSTODY

PROJECT INFORMATION

PROJECT NAME: Placentia  
 JOB NUMBER: 2021-0077  
 PROJECT MANAGER: Marina Grigorova  
 LABORATORY: \_\_\_\_\_  
 SHIPMENT METHOD: \_\_\_\_\_  
 TURNAROUND TIME: Standard  
 DISPOSAL: Lab Disposal [ ] Return [ ] Pick Up [ ]

NUMBER OF CONTAINERS

TPH-cc (8015M)  
 CAM 17 Metals (6010B/7000)  
 VOCs (8260B)  
 PCBs (8082A)

BAS Sample I.D.	LAB I.D.	DATE	TIME	MATRIX	NUMBER OF CONTAINERS	TPH-cc (8015M)	CAM 17 Metals (6010B/7000)	VOCs (8260B)	PCBs (8082A)													
B-1		7/6/21	7:38	Soil	1	X	X	X	X												ST-17764-01	
B-2		↓	8:20	Soil	1	X	X	X	X												ST-17764-02	
B-3			7:55	Soil	1	X	X	X	X													ST-17764-03
B-4			8:35	Soil	1	X	X	X	X													ST-17764-04
B-7			9:20	Soil	1	X	X	X	X													ST-17764-05

RELINQUISHED BY: (Signature) [Signature] DATE/TIME 7/6/21 16:05 RECEIVED BY: (Signature) [Signature]  
 RELINQUISHED BY: (Signature) [Signature] DATE/TIME 7/6/21 16:55 RECEIVED BY: (Signature) [Signature]  
 RELINQUISHED BY: (Signature) \_\_\_\_\_ DATE/TIME \_\_\_\_\_ RECEIVED BY: (Signature) \_\_\_\_\_

SAMPLE CONDITION (Lab Initials)

Shipping Container: \_\_\_\_\_  
 Sealed \_\_\_\_\_  
 Sample(s): \_\_\_\_\_  
 Integrity \_\_\_\_\_  
 Chilled \_\_\_\_\_  
 Sealed \_\_\_\_\_

COMMENTS:

## SAMPLE RECEIPT FORM

 Jones ID: ST-17764

 CLIENT: Tetra Tech  
 PROJECT: 2021-0077

 DATE/TIME: 7-6-21 1655  
 RECEIVED BY: JC

 Delivered by:     Client     Jones Courier     UPS / FedEx / USPS     Other

<b>TEMPERATURE:</b>		Number of coolers received: <u>1</u>	
Temperature Cooler #1	<u>4</u> . <u>5</u> °C ± 0.1°C	Blank	Sample
Temperature Cooler #2	_____ °C ± 0.1°C	Blank	Sample
Temp Criteria: 0 ≤ 6°C (NO frozen containers)	Criteria met?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
If criteria is not met:			
Sample(s) received on ice?	<input type="checkbox"/> Yes	<input type="checkbox"/> No*	
Sample(s) received chilled on same day of sampling?	<input type="checkbox"/> Yes	<input type="checkbox"/> No*	
Ambient Temperature: <u>28.0</u> °C		Checked by: <u>JC</u>	

SAMPLE CONDITION:	YES	NO*	N/A
Chain of Custody (COC) received filled out completely-----	<input checked="" type="checkbox"/>	<input type="checkbox"/> *	<input type="checkbox"/>
Total number of containers received match COC-----	<input checked="" type="checkbox"/>	<input type="checkbox"/> *	<input type="checkbox"/>
Sample container label(s) consistent with COC-----	<input checked="" type="checkbox"/>	<input type="checkbox"/> *	<input type="checkbox"/>
Sample container(s) intact and in good condition-----	<input checked="" type="checkbox"/>	<input type="checkbox"/> *	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested on COC-----	<input checked="" type="checkbox"/>	<input type="checkbox"/> *	<input type="checkbox"/>
Proper preservative indicated on COC/containers for analyses requested -----	<input type="checkbox"/>	<input type="checkbox"/> *	<input checked="" type="checkbox"/>
Volatile analysis container(s) free of headspace (EPA 8260 water) -----	<input type="checkbox"/>	<input type="checkbox"/> *	<input checked="" type="checkbox"/>
Custody Seals Intact on Cooler/Sample-----	<input type="checkbox"/>	<input type="checkbox"/> *	<input checked="" type="checkbox"/>

<b>CONTAINER TYPE:</b>		
<b>Solid:</b> VOAs: <u>r</u> Glass Jar: _____ Sleeve: <u>S</u> Other: _____	<b>Aqueous:</b> Amber Bottle: _____ VOAs: _____ Poly Bottle: _____	<b>Air / Soil Gas:</b> Tedlar Bag: _____ 6 hr 72 hr 5 Day Summa: (1L) _____ (6L) _____

<b>MILEAGE:</b>
Round Trip Mileage: _____ Travel Time: _____ On Site Time: _____

*\*Complete Non-Conformance if checked*

 Checked by: JC

**APPENDIX C**  
**GEOPHYSICAL SURVEY REPORT**

# Report of Geophysical Investigation

## **Frey Environmental**

Commercial Property  
777 West Orangethorpe Ave.  
Placentia, California  
Project #5816



20434 Corisco Street  
Chatsworth, California 91311  
1-877-565-3595

Geophysical Investigation  
Commercial Property  
777 West Orangethorpe Ave.  
Placentia, California

Prepared For:  
Frey Environmental  
Newport Beach, California

Prepared By:  
Spectrum Geophysics  
20434 Corisco Street  
Chatsworth, CA 91311

September 22, 2021



---

Laura Cathcart-Dodge, PGP  
License No. 1017  
Principal Geophysicist  
Vice President

TABLE OF CONTENTS

Page

1.0 INTRODUCTION .....3  
2.0 EQUIPMENT .....3  
3.0 METHODS AND FIELD PROCEDURES .....4  
    3.1 EM-61 High Sensitivity Metal Detector .....4  
    3.2 Ground Penetrating Radar.....5  
        3.2.1 GPR Procedures.....6  
    3.3 Electromagnetic Utility Location.....7  
4.0 RESULTS .....7  
    4.1 EM-61 .....8  
    4.2 GPR.....8  
5.0 LIMITATIONS.....9  
    5.1 EM-61 .....9  
    5.2 GPR.....9  
    5.3 Positioning .....10

SPECTRUM GEOPHYSICS, 20434 CORISCO STREET, CHATSWORTH, CALIFORNIA 91311

## LIST OF FIGURES

FIGURE	TITLE
1	Geophysical Interpretation Map
2	Contour Map of EM-61 Top Coil Data, Area 1
3	Contour Map of EM-61 Differential Data, Area 1
4	Representative Contour Maps of GPR Amplitude, Area 2
5	Representative Contour Map of GPR Amplitude, Grid 3



## 1.0 INTRODUCTION

On August 13<sup>th</sup> and 16<sup>th</sup>, 2021, Spectrum Geophysics conducted a geophysical investigation at a commercial property located at 777 West Orangethorpe Ave. in Placentia, California (hereinafter referred to as the Property).

The purpose of the investigation was to locate detectable steel underground storage tanks (USTs). The original plan was for Spectrum to investigate two areas- as designated by Mollie Banh of Frey Environmental. Area 1 was an approximately 140-foot by 165-foot asphalt-paved outside area in a parking lot west of the building at the Property (the Building), and Area 2 was an approximately 150-foot by 150-foot area inside the Building. However, because of parked Humvees and other vehicles, trailers and other debris located inside the Building, the scope of investigation was reduced to the original dimensions of Area 1 and just two small rectangular areas within Area 2: one 20-foot by 65-foot area in the southern portion of the Building (designated Grid 1) and one 22-foot by 48-foot area in the northern portion of the Building (designated Grid 2). These investigation areas are shown in Figure 1. Based on the objective a Geonics EM-61 was used primarily to investigation for USTs in Area 1; however, 3D GPR data were collected within a small area under a metallic canopy (designated Grid 3) in Area 1. 3D ground penetrating radar (GPR) methods were used to investigate for USTs in Area 2.

The survey was situated in an area mapped as Quaternary alluvium. It is likely that a few feet of artificial fill overly the Quaternary deposits within the survey area. The depth to the water table was expected be below the maximum depth of investigation; however, moisture in the upper five feet of soil can contribute to corrosion of metallic survey targets and signal attenuation in ground penetrating radar data.

Site interferences to Area 1 included light poles, chain-link fencing, the metallic track to the entrance gate, parked vehicles, a raised concrete pad, sheared metallic posts, reinforced block walls and an overhead canopy. Site interferences in Area 2 included several Humvees and vehicles parked inside the Building, piles of debris, steel drain lines on the concrete floor, and reinforced concrete.

## 2.0 EQUIPMENT

The equipment used during this investigation consisted of a Geonics EM-61 high-sensitivity metal detector (EM-61), a GSSI Utility Scan 350HS digital hyperstacking antenna unit (Utility Scan), a Sensors & Software Noggin “Smart Cart” ground penetrating radar (GPR) unit coupled to a 500-MHz antenna, a Fisher TW-6 M-Scope shallow-focus metal detector (M-Scope) and a RadioDetection RD4000 electromagnetic utility locator (RD4000). A Trimble Pro 6H GPS unit and a digital field computer were used during EM-61 data acquisition.

### 3.0 METHODS AND FIELD PROCEDURES

#### 3.1 EM-61 High Sensitivity Metal Detector

The EM-61 high-sensitivity metal detector was used in Area 1 in an effort to delineate areas where metallic objects (such as underground storage tanks and buried metal piping) may be buried. The EM-61 transmitter generates short pulses of a primary magnetic field that, in turn, induces electromagnetic currents in nearby metallic objects. Between pulses, the two receiver coils measure the decay of these electromagnetic currents in millivolts (mV). The measured values are proportional to the metal content (ferrous and non-ferrous) of the nearby objects.



*EM-61 data acquisition  
(archive photo)*

Prior to data acquisition the EM-61 battery level was checked and found to be at a proper level for data acquisition. After the EM-61 had a few minutes to warm up, the unit was nulled in a location with more than four meters of separation between the coils and any known metallic objects. A cable-shake test was performed to assure the cables were in good working condition and the connectors were fastened properly. Finally, a static test was performed in which the instrument response to soil and a metal bolt was monitored for amplitude and consistency of the readings. The EM-61 used for this investigation was found to be working as expected.

Once the EM-61 was found to be operating properly, EM-61 readings were collected along roughly parallel survey lines oriented northeast-southwest spaced approximately 5 feet apart within the area of the investigation. These measurements were recorded at a rate of 5 readings per second and stored in the Archer digital field computer. GPS positions were streamed into the field computer at one second intervals, and the EM-61 measurements were interpolated between GPS positions. This resulted in a 1-foot station spacing on average. Survey lines were displayed on the field computer in real time for navigation. If the submeter accuracy was lost during data acquisition an alarm from the field computer was sounded and data acquisition was paused until accuracy was regained. These data were processed in the field and used to generate contour maps to assist in identifying anomalies that may be caused by large buried metallic objects such as USTs. Linear EM-61 anomalies were relocated with the utility locating equipment in an attempt to determine their source.

Top or bottom coil EM-61 data can be useful for identifying near-surface metallic objects; although, the top coil generally has a larger response than the bottom coil to deeply buried objects. Top coil data are also useful for identifying buried utilities and other shallow linear features. The differential data (bottom coil data subtracted from the top coil data) was used during this survey to distinguish deeper targets (such as metallic USTs) from shallow ones such as a vault lid or scrap metal. Utilization of the differential data allows for the suppression of near surface targets that might mask the response from deeper targets of interest.

### 3.2 Ground Penetrating Radar

EM-61 anomalies within Area 1 that could not be attributed to aboveground cultural features or detected underground utilities were further investigated using GPR methods. As previously mentioned, a small area under a metallic canopy (Grid 3) was investigated with 3D GPR methods due to interference concerns from the metallic canopy. In addition, 3D GPR data were collected along the concrete floor of the warehouse area of the Building within Grids 1 and 2 in Area 2. This was necessary because useful EM-61 data cannot be collected within buildings or in areas of reinforced concrete, due to electromagnetic interference.

During GPR surveys, an antenna containing both a transmitter and a receiver is mounted on a cart with wheels and is pushed along the ground surface. During data collection the transmitter radiates short pulses of high-frequency (center frequencies of 350-MHz or 500-MHz) electromagnetic energy into the ground. The electromagnetic energy (or wave) propagates into the subsurface at a velocity that is dependent on the relative dielectric constant of the medium through which the wave travels. When the wave encounters the interface of two materials having different electrical properties, a portion of the energy is reflected back to the surface. The contrast in velocity between the two media can be quantified by a reflection coefficient at the media interface, where the magnitude of the reflection coefficient increases as the contrast in velocity increases (which typically represents an increase in the contrast in electrical conductivity). A large contrast in electrical conductivity between two mediums (soil and air for example) will produce a high-amplitude reflection. If the contrast in electrical conductivity between two materials is low (asphalt and sand for example) the resulting reflector may be weak or undetectable. When the target of a GPR survey is metallic, the characteristic response is readily identified as a high amplitude feature, because the contrast is a maximum and the electromagnetic wave is completely reflected upon reaching the metallic object (much the way a mirror works).



*GPR data acquisition (archive photo)*

The reflected GPR signal is detected at a receiver antenna, transmitted to a control unit and viewed on the computer screen as the data are acquired. Reflected GPR waves are received at the antenna at a time (in nanoseconds) that is related to the speed of the signal (controlled by electrical properties of the soil) and the depth of the reflecting interface, where later times typically represent greater depths to reflectors. The data are stored electronically and subsequently processed, where they can be viewed on a laptop computer.

The GPR method can be effective for detecting geologic layering, metallic and nonmetallic utilities, USTs, excavations and voids beneath paved areas or concrete walls.

### 3.2.1 GPR Procedures

During this investigation, the Spectrum crew established a 4-foot X 4-foot grid using a survey chain and surveyor's chalk within each of Grids 1, 2 and 3. Once established, semi-continuous GPR profiles were collected within the gridded area using the appropriate antenna and a 50-nanosecond range along parallel transects spaced 2 feet apart. The Utility Scan unit was used for GPR data collection within Grids 1 and 2 in order to achieve greater penetration and shielding for areas within the Building. The Smart Cart with 500-MHz antenna was used for GPR data collection within Grid 3 under the canopy. GPR data were collected in wheel mode, where a digital odometer connected to the wheel of the GPR cart is used to track the distance travelled by the antenna. Although the data were collected in individual 2D files, the short distance between each profile and the high resolution of the data allowed subsequent 3D processing using GPR-Slice™ V7.0 by Dean Goodman (2009). GPR-Slice™ allows the user to combine 2D radargrams to generate a 3D volume or a series of map view time slices - each representing a greater depth range than the previous slice. These time slice maps are used to show the location, size and approximate depth of GPR anomalies, where subtle anomalies that may not be distinguished between adjacent GPR profiles in 2D can be detected with 3D time slice maps. During data collection the areal extents and/or surface traces of detected features were marked on the ground with spray paint.

Once collected, GPR data were downloaded, saved to a “.DZT” or “.DT” file, and processed using GPR-Slice™. GPR-Slice™ creates time-slice plan view maps representing amplitude variations of the GPR signal for small time intervals – which can be converted to depth intervals if the dielectric constant is known. The processing flow in GPR-Slice™ is as follows:

- Enter the information parameters for the GPR data set, such as name of project, time range for the data, GPR system used, navigation system used, etc.
- Enter the survey geometry for each profile relative to the survey grid
- Set “time zero” for each profile
- Apply a gain function to the data
- Slice and resample
- Grid the GPR slices
- Display and save data

The end product of GPR-Slice™ is several (typically 5 to 10) time-slice plan-view maps representing GPR signal intensity over background soils for early to increasingly later time ranges, representing smaller to increasingly greater depths below the ground surface.

For this project a series of 5- or 6- nanosecond time slices were generated and contoured for each grid based on GPR signal amplitude for the area of investigation. A total of 8 or 9 time

slices were generated from the 2D radargrams acquired, where each time slice represents approximately 0.9 vertical feet. The contour maps were used to identify GPR anomalies with signatures that might be expected for subsurface USTs. All 2D GPR profiles and time slices were reviewed for features of interest in each of Grids 1, 2 and 3.

### 3.3 Electromagnetic Utility Location

During this investigation, active electromagnetic (EM) utility-locating methods were used to relocate linear EM-61 anomalies and to delineate the surface trace of detectable underground utilities.

Active locating was initiated by transmitting an alternating current at a known frequency (8 kHz for this site) on a street lighting line exposed at the surface. A receiver, tuned to 8 kHz, was then used to locate the signal maxima (or surface trace) of the applied signal. The street lighting did not pass through the area of investigation and was not mapped.

The Fisher M-Scope metal detector was used to relocate shallow buried metallic features identified in the EM-61 data. The M-Scope has a transmitter and a receiver at the ends of a short boom. The transmitter emits a radio-frequency source signal that induces a secondary magnetic field in metallic material in its immediate vicinity. The receiver measures the signal strength of this secondary magnetic field and emits an audible response, the volume and pitch of which increase in the presence of metallic material. The sensitivity of the M-Scope allows the operator to locate the lateral boundaries of a metallic object.

Detected utilities of known type were marked on the ground with surveyor’s paint using the color code found below.

**Table 1: APWA Color Code**

Utility	Color
Electric	Red
Telephone/Communication	Orange
Storm Drain/Sanitary Sewer	Green
Natural Gas	Yellow
Water	Blue
Unknown Conduit	Pink

## 4.0 RESULTS

A geophysical interpretation map is presented in Figure 1. Contour Maps of the EM-61 top coil and differential data for Area 1 are presented in Figures 2 and 3, respectively. Representative GPR-Slice™ maps for Grids 1 and 2 are presented in Figure 4, and a representative GPR-Slice™ map for Grid 3 is presented in Figure 5. A discussion of the findings of the investigation may be found below.

## 4.1 EM-61

The color scale in the contour map of the EM-61 differential data displays the magnitudes of the measured EM-61 values where blue and green colors represent negative readings (indicative of surface metal), light green to yellow colors represent background readings and orange to red to pink colors represent increasing values above background. Due to the sensitivity of the EM-61, anomalies are usually exaggerated compared to the actual dimensions of the source metal. It is common for a sheared fence post to produce a 7-foot by 7-foot EM-61 anomaly while a 500-gallon UST buried 4 feet below ground surface can produce an EM-61 anomaly with dimensions of 15 feet by 15 feet. The findings of the survey are discussed below.

Based on a comparison between the EM-61 top coil and the differential data one significant anomaly was detected that could not be attributed solely to above ground cultural features and/or detectable utilities. This anomaly is identified as *Anomaly A* and is discussed below.

### *Anomaly A*

*Anomaly A* is an 18-foot by 17-foot top anomaly that is evident in both the top coil and the differential data between eastings 6066100 and 6066118 and northings 2260753 and 2260770; this anomaly is identified in Figure 1 with a dashed green line and in Figures 2 and 3 with a dashed dark blue boundary line. *Anomaly A* could be caused by a light pole in the center of the anomaly; however, this anomaly was selected because, while the amplitude in top coil is similar between the two light poles, the amplitude in differential is quite high (140 millivolts) at *Anomaly A* when compared with that from the light pole to the northeast. In fact, the differential amplitude at *Anomaly A* is twice as high – indicating there may be a buried metallic feature beneath the light pole. *Anomaly A* was identified subsequent to the investigation; therefore, no follow up was done in the field for this anomaly.

The other high amplitude areas evident in Figure 3 can be explained by surface features such as chain link fencing, parked cars, the loading ramp and reinforced concrete. A number of conduits were also traced in Area 1; these utilities and conduits are indicated in Figure 1.

## 4.2 GPR

The color scales in the GPR-Slice™ maps in Figures 4 and 5 display the amplitudes of the recorded GPR signal in the appropriate slice, where blue colors represent background amplitudes (typical subsurface soils), light green to yellow colors represent moderate amplitudes and orange to red colors represent high amplitudes. Generally, subsurface metallic features such as USTs exhibit moderate to high amplitudes as there is a sharp contrast in electrical properties between background soils and metal. In addition, in areas where the concrete or asphalt paving is reinforced with steel rebar or mesh the reinforcement will cause high amplitude “ringing” in the data, and a mottled appearance in the GPR-Slice™ maps. In order to verify possible sources of GPR-Slice™ map anomalies, and as an extra check on the data, the GPR profiles collected within Grids 1, 2 and 3 were reviewed as well as the time slices.

Review of GPR profiles and time slices for Grids 1 and 2 verified ringing in the surface/near surface layers caused by the reinforced concrete mesh. Because of this ringing, it was a bit more difficult to discern anomalies that could be caused by subsurface features beneath the paving; however, one anomalous area was identified in the Slice data and profiles for Grid 2; this anomaly is designated as *Anomaly B*. This anomaly is discussed below.

### **Anomaly B**

*Anomaly B* is contained within a 13-foot X 8-foot area, is found between Lines 10 and 23 and between Stations 10 and 18 and is characterized by a rectangular-shaped moderate to high amplitude (yellow to red ) in the GPR-Slice maps (e.g., Figure 4- bottom image). Upon further investigation of this anomalous area in the GPR profiles, *Anomaly B* appears to be associated with a high amplitude layer at about 2.5 feet bgs, underlain by disturbed soil to about 3.5 feet. The location of *Anomaly B* is indicated with a pink box (dashed pink line) in Figure 1 that represents the extent of disturbance from review of a few key slices and the GPR profiles. Because of the ringing in the concrete mesh and the limited depth of GPR signal penetration within the Building (approximately 3.5 feet at this location), the source of *Anomaly B* is not clear. It should be understood that the source of this anomaly cannot be determined without excavation.

A few other possible rectangular GPR anomalies within Grid 2 were identified and painted with pink boxes during the field investigation; these were reviewed and found to be associated with reflections from the ceiling of the warehouse. Additional anomalies evident in the GPR data for Grids 1 and 2 appear to be associated with steel plates and drain grates. Additional anomalies evident in the GPR data for Grid 3 appear to be associated with a detected conduit and the electric track for the automatic gate to the Property.

## **5.0 LIMITATIONS**

The detection of subsurface objects and utilities is dependent upon acquiring reliable data with geophysical instruments above ground. These data may be interpreted as representative of subsurface objects. The electromagnetic waves or fields being measured, however, may be attenuated and/or distorted by a number of factors including soil moisture, corrosion, and proximity to other surface and subsurface structures. A discussion of the limitations of each method follows.

### **5.1 EM-61**

The EM-61 is capable of detecting a 55-gallon drum up to a depth of 3 meters under favorable conditions. We recommended a minimum 10-foot buffer between the survey area and any metallic or metal bearing surface cultural features such as buildings, metallic roll-up doors, entry gates, concrete service ramps, reinforced concrete pads, surface drums or metallic fencing-which could severely compromise the quality of the data. As a result, Spectrum cannot guarantee that metallic USTs are not present beneath these features.

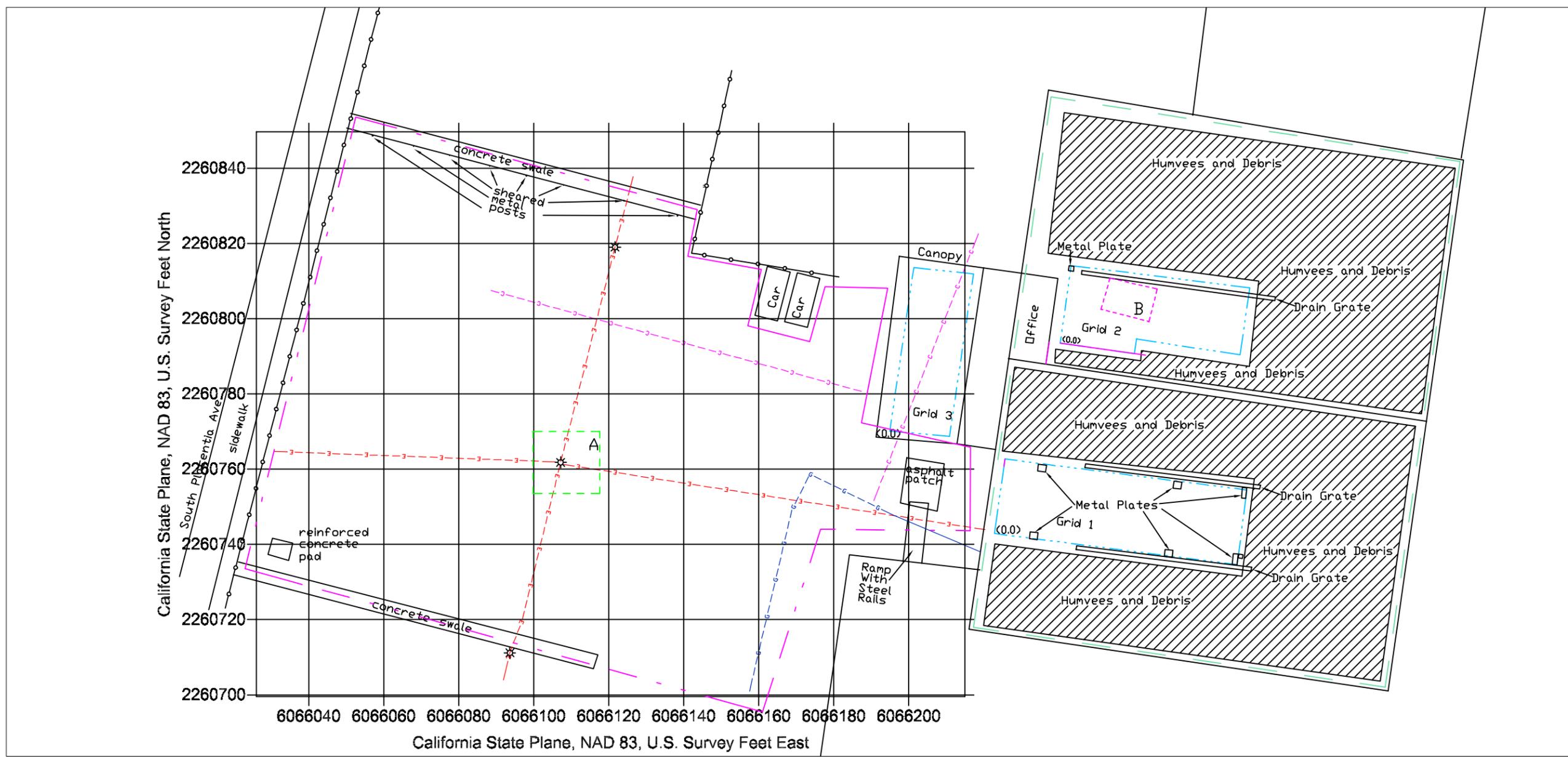
### **5.2 GPR**

The performance capability of GPR is dependent on the electrical conductivity of the soil at the site. If the soil conductivity is high, attenuation of the radar signal in the soil can severely restrict the maximum penetration depth of the radar signal. Under favorable conditions depth of penetration can be greater than 10 feet; however, average depths of GPR penetration in Southern California tend to range between 2-5 feet. Soils high in clay content and moisture will have higher signal attenuation. GPR surveys should be performed in the dry season, if at all possible, especially at sites located in Southern California.

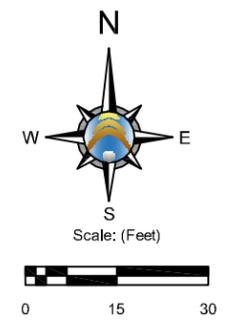
The depth of signal penetration for this site was estimated to be about 2 feet under the metallic canopy in Grid 3 in Area 1, and 3.5 to 4 feet within Grids 1 and 2 in Area 2; therefore, Spectrum cannot guarantee that subsurface features such as USTs are not present at depths greater than about 2 feet beneath Grid 3, and about 3.5 to 4 feet beneath Grids 1 and 2.

### 5.3 Positioning

The features identified in Figure 1 were located using GPS for positioning (sub-meter accuracy). In addition, because the site map and the EM-61 data contour maps were created using GPS for positioning, the anomalies identified may also contain some positioning error. As a result, all features depicted in Figure 1 may be in error with regards to their true GPS position by as much as 3 feet.



- Area 1 EM-61 Investigation
- Area 2 Inside Investigation
- Area of GPR Investigation
- EM-61 Differential Anomaly
- GPR Anomaly
- Inside Area not investigated
- - - E - - - Electric
- - - G - - - Gas
- - - C - - - Conduit
- Fence
- \* \* \* \* \* Light

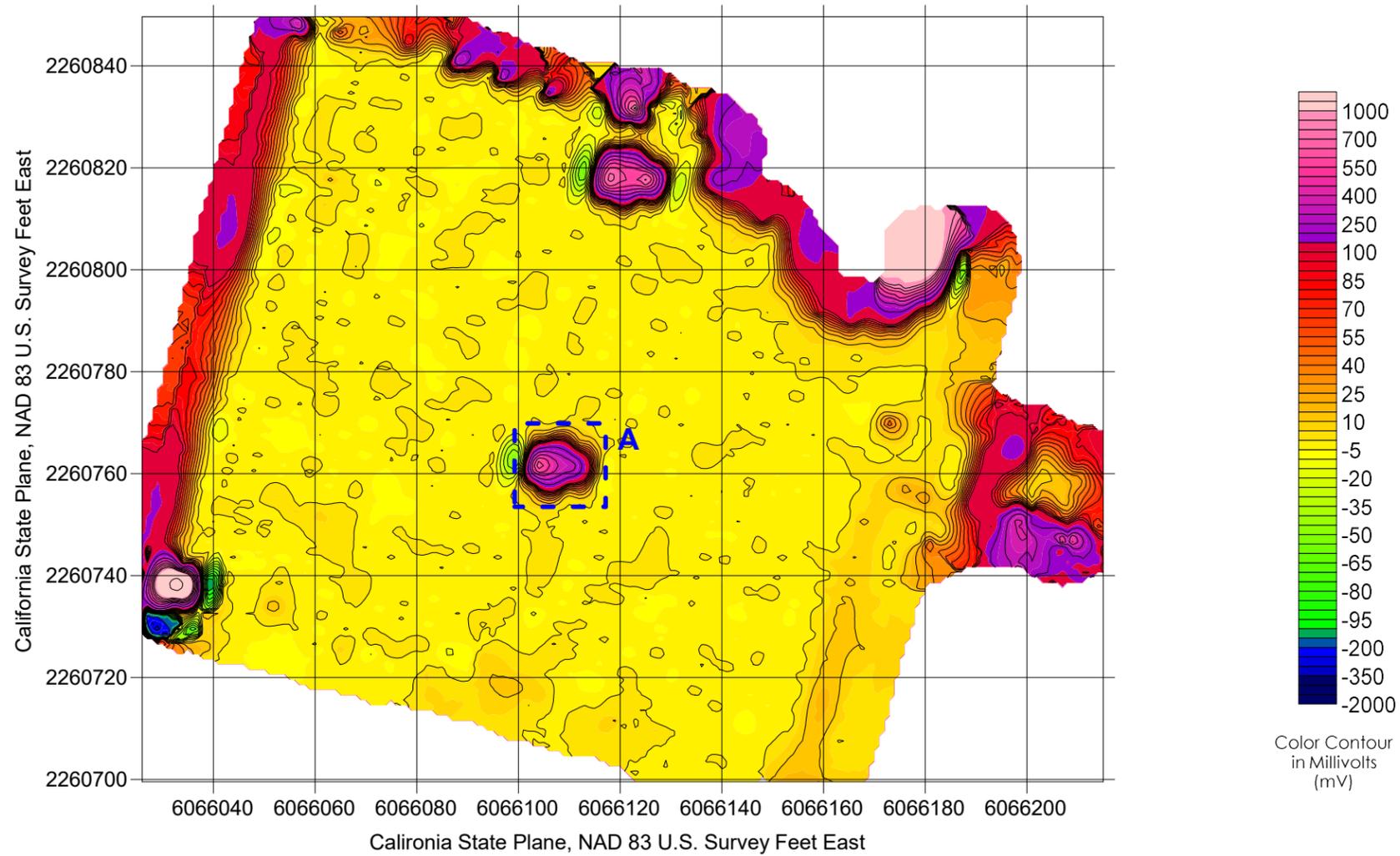


\*\*\*Note: Not all below ground utilities or features may be represented on this map

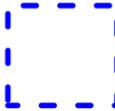
	<b>Geophysical Interpretation Map</b>		1
	PROJECT: Parking Lot 777 West Orangethorpe Ave. Placentia, California		
20434 CORISCO STREET CHATSWORTH, CA 91311 Phone: (818) 886-4500 www.spectrum-geophysics.com		PREPARED FOR: Frey Environmental Newport Beach, California	PROJECT NO.: 5816
SCALE: 1 inch = 30 feet	DWG BY: CDE	REVIEWED BY: LCD	DATE: 09/22/2021



### Contour Map of EM-61 Top Coil Data

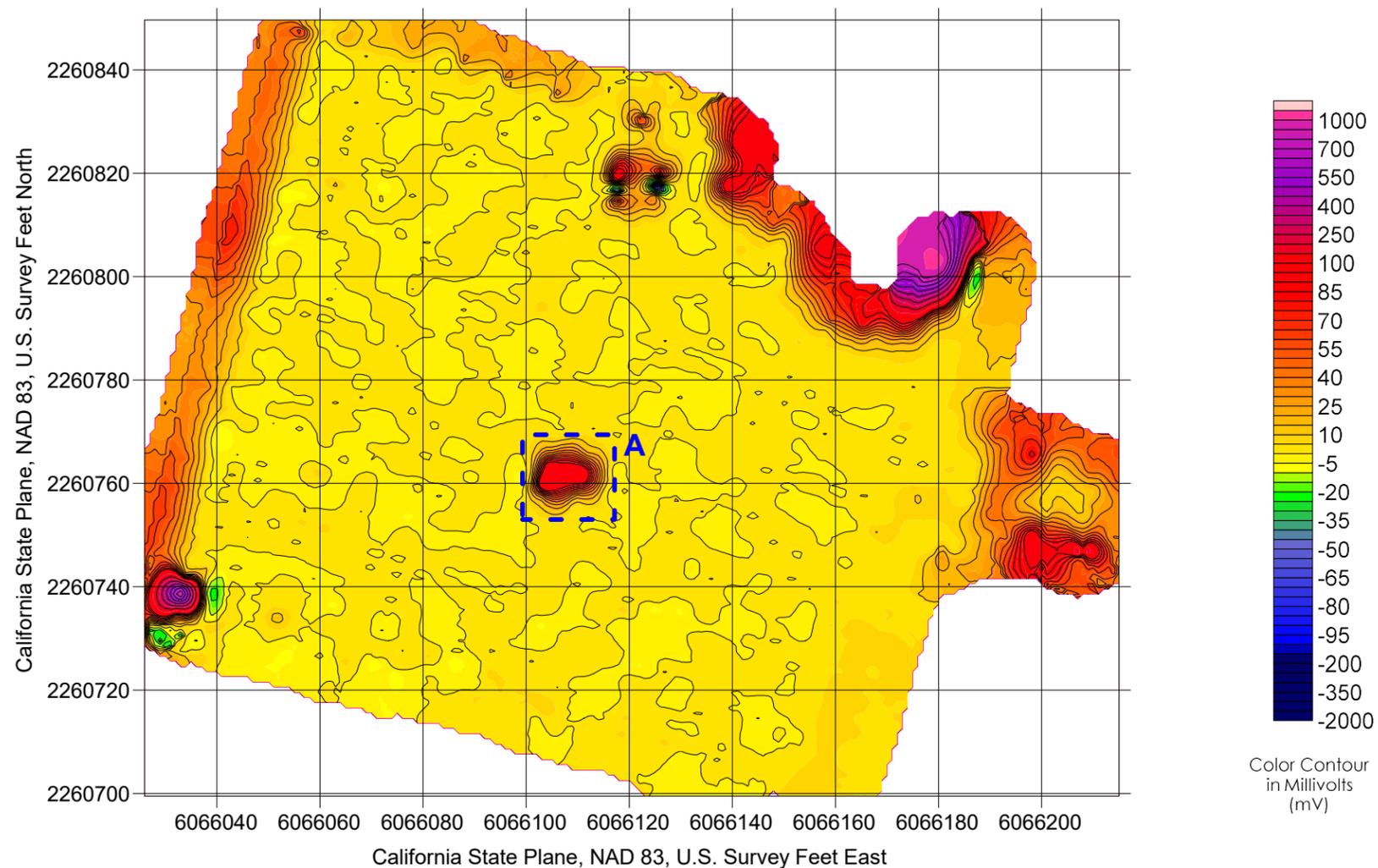


**Legend :**

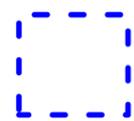
 EM-61 Anomaly

 NORTH Scale in feet	 16691 Gothard Street, Suite L Huntington Beach, California 92647 (714) 435-1073 www.spectrum-geophysics.com	<b>Contour Map of EM-61 Top Coil Data</b>			FIGURE <b>2</b>
		PROJECT Commercial Property 777 West Orangethorpe Ave. Placentia, California		PROJECT NO. 5816	
PREPARED FOR Frey Environmental Newport Beach, California		SCALE 1 inch = 30 feet	FIGURE BY AP	REVIEWED BY LCD	DATE 9/22/21

### Contour Map of EM-61 Differential Data

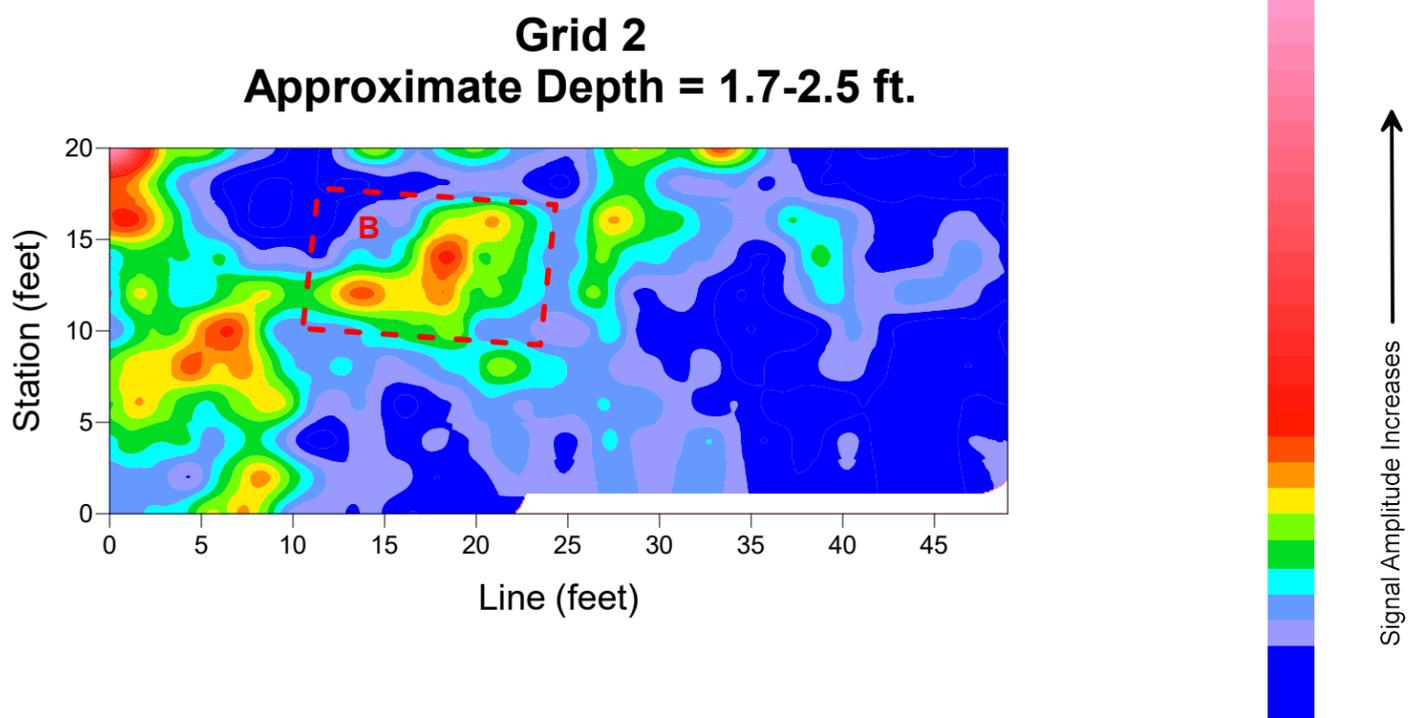
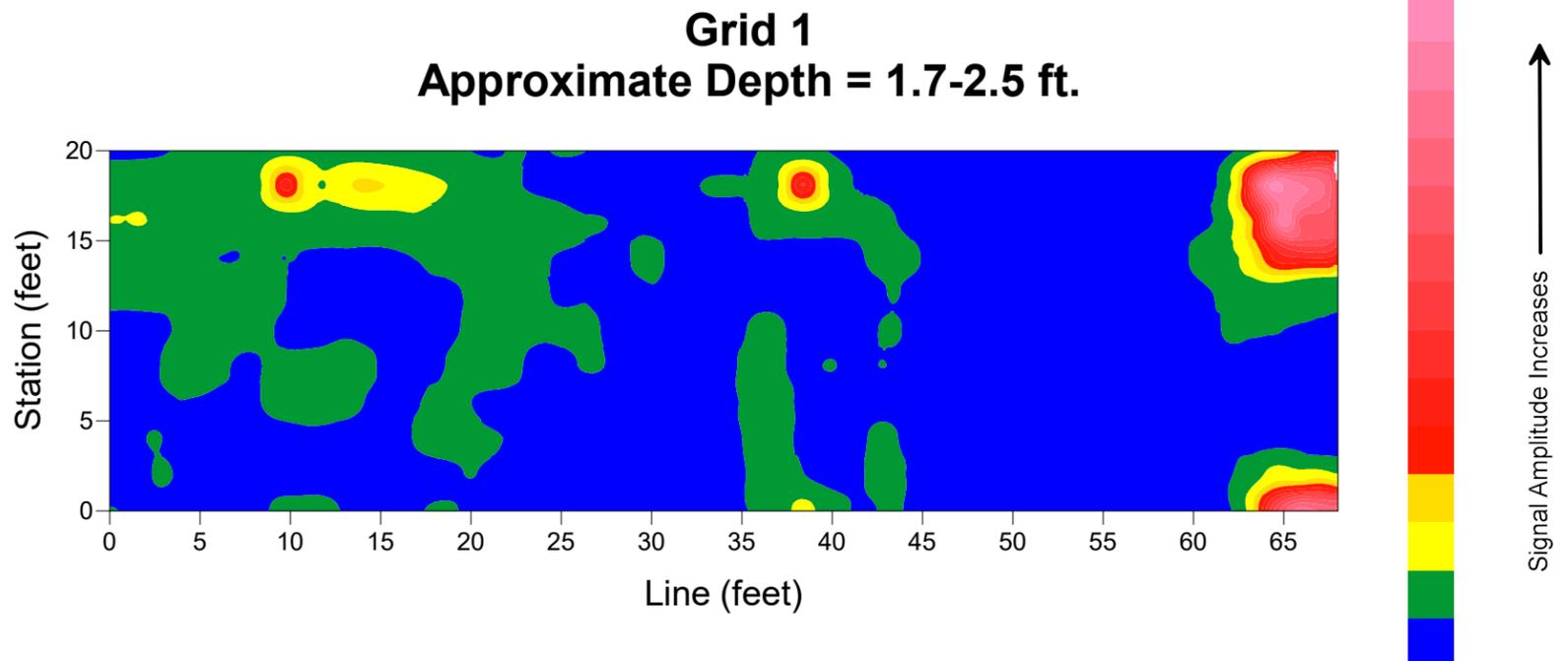


**Legend :**

 EM-61 Anomaly

 <p>NORTH Scale in feet</p>	 <p>16691 Gothard Street, Suite L Huntington Beach, California 92647 (714) 435-1073 www.spectrum-geophysics.com</p>	<p><b>Contour Map of EM-61 Differential Data</b></p>		<p>FIGURE <b>3</b></p>
		<p>PROJECT Commercial Property 777 West Orangethorpe Ave. Placentia, California</p>	<p>PREPARED FOR Frey Environmental Newport Beach, California</p>	<p>PROJECT NO. 5816</p>
<p>SCALE 1 inch = 30 feet</p>	<p>FIGURE BY AP</p>	<p>REVIEWED BY LCD</p>	<p>DATE 9/22/21</p>	

## Representative GPR Slice Maps - Grids 1 & 2



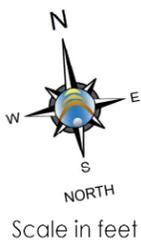
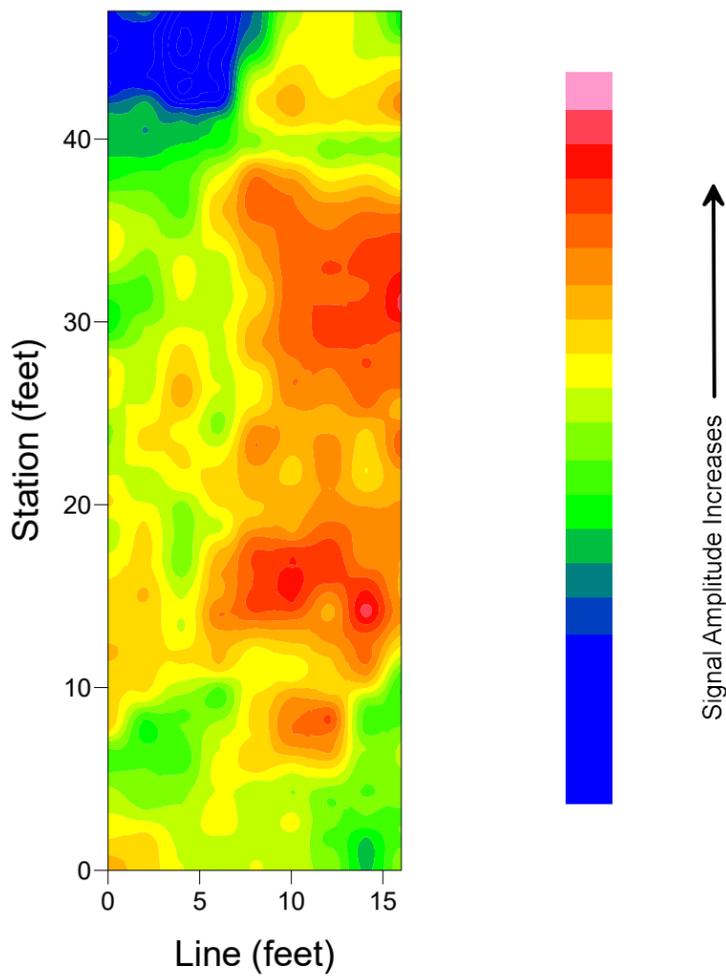
**Legend:**

GPR Anomaly

 Scale in feet	 16691 Gothard Street, Suite L Huntington Beach, California 92647 (714) 435-1073 www.spectrum-geophysics.com	MAP	<b>Representative Contour Maps of GPR Amplitude - Grids 1 &amp; 2</b>		FIGURE NO.
			PROJECT	Commercial Property 777 West Orangethorpe Ave. Placentia, California	
		PREPARED FOR	Frey Environmental Newport Beach, California		PROJECT NO.
		SCALE	1 inch = 10 feet	FIGURE BY	AP
		REVIEWED BY	LCD	DATE	9/22/21
		PROJECT NO.	5816		

## Representative GPR Slice Map - Grid 3

Approximate Depth = 1.6-2.2 ft.



	<small>MAP</small> <b>Representative Contour Map of GPR Amplitude - Grid 3</b>		<small>FIGURE NO.</small> <span style="font-size: 2em; font-weight: bold;">5</span>	
	<small>PROJECT</small> Commercial Property 777 West Orangethorpe Ave. Placentia, California		<small>PROJECT NO.</small> 5816	
16691 Gothard Street, Suite L Huntington Beach, California 92647 (714) 435-1073 www.spectrum-geophysics.com		<small>PREPARED FOR</small> Frey Environmental Newport Beach, California		
<small>SCALE</small> 1 inch = 10 feet		<small>FIGURE BY</small> AP	<small>REVIEWED BY</small> LCD	<small>DATE</small> 9/23/21

**APPENDIX D**  
**BORING LOGS**

Date drilled/completed August 30, 2021 Boring depth Approx. 10 feet BGS  
 Geologist M. Banh Initial depth to water Not Encountered  
 Drilling equipment Truck Mounted Geoprobe 6600 Static depth to water Not Applicable  
 Surface elevation Not Applicable Probe depth Not Applicable  
 Top of casing elevation Not Applicable Borehole Diameter 2.25-inches

Depth	EPA Method 8015 TPH-CC (mg/kg)	Headspace (ppm)	Well Construction Detail	Sample Type	Blow Counts	Sample No.	Graphic Log	U.S. C.S. Classification	Description	Remarks
0			Concrete					4" Concrete		Clear to 4 feet BGS ↓ No Odors ↓
1										
2										
3										
4										
5	12	<0.1	Backfill with Hydrated Bentonite Crumbles		5		SM	Brown, damp, Silty fine grained SAND		
6										
7										
8										
9										
10	7.1	<0.1			10			Becomes light brown		
11								Bottom of boring at 10 feet BGS		
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

Project Name	<b>777 WEST ORANGETHORPE AVENUE</b>	Log of Boring	Figure No.
Project Number	<b>1121-01</b>	<b>B1</b>	<b>1</b>

Date drilled/completed August 30, 2021 Boring depth Approx. 10 feet BGS  
 Geologist M. Banh Initial depth to water Not Encountered  
 Drilling equipment Truck Mounted Geoprobe 6600 Static depth to water Not Applicable  
 Surface elevation Not Applicable Probe depth Not Applicable  
 Top of casing elevation Not Applicable Borehole Diameter 2.25-inches

Depth	EPA Method 8015 TPH-CC (mg/kg)	Headspace (ppm)	Well Construction Detail	Sample Type	Blow Counts	Sample No.	Graphic Log	U.S. C.S. Classification	Description	Remarks
0			Concrete					4" Concrete		Clear to 4 feet BGS ↓ No Odors ↓
1										
2										
3										
4										
5	ND<4.9	<0.1	Backfill with Native Soil and Hydrated Bentonite Crumbles		5		ML	Brown, damp, Sandy SILT with trace Clay		
6										
7										
8										
9										
10	ND<5.0	<0.1			10		SM	Light brown, damp, Silty fine grained SAND		
11								Bottom of boring at 10 feet BGS		
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

Project Name	<b>777 WEST ORANGETHORPE AVENUE</b>	Log of Boring	Figure No.
Project Number	<b>1121-01</b>	<b>B2</b>	<b>1</b>

Date drilled/completed August 30, 2021 Boring depth Approx. 10 feet BGS  
 Geologist M. Banh Initial depth to water Not Encountered  
 Drilling equipment Truck Mounted Geoprobe 6600 Static depth to water Not Applicable  
 Surface elevation Not Applicable Probe depth Not Applicable  
 Top of casing elevation Not Applicable Borehole Diameter 2.25-inches

Depth	EPA Method 8015 TPH-CC (mg/kg)	Headspace (ppm)	Well Construction Detail	Sample Type	Blow Counts	Sample No.	Graphic Log	U.S. C.S. Classification	Description	Remarks
0			Concrete					4" Concrete		Clear to 4 feet BGS
1										
2										No Odors
3										
4										
5	93	<0.1	Backfill with Native Soil and Hydrated Bentonite Crumbles		-	5	ML	Brown, damp, Sandy SILT		
6										Bottom of boring at 10 feet BGS
7										
8										
9										
10	5.3	<0.1			-	10	SM	Light brown, damp, Silty fine to medium grained SAND		
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

Project Name	<b>777 WEST ORANGETHORPE AVENUE</b>	Log of Boring	Figure No.
Project Number	<b>1121-01</b>	<b>B3</b>	<b>1</b>

Date drilled/completed August 31, 2021 Boring depth Approx. 10 feet BGS  
 Geologist M. Banh Initial depth to water Not Encountered  
 Drilling equipment Truck Mounted Geoprobe 6600 Static depth to water Not Applicable  
 Surface elevation Not Applicable Probe depth Not Applicable  
 Top of casing elevation Not Applicable Borehole Diameter 2.25-inches

Depth	EPA Method 8015 TPH-CC (mg/kg)	Headspace (ppm)	Well Construction Detail	Sample Type	Blow Counts	Sample No.	Graphic Log	U.S. C.S. Classification	Description	Remarks
0			Concrete					4" Concrete		Clear to 4 feet BGS
1										
2										No Odors
3										
4										
5	ND<4.8	<0.1	Backfill with Native Soil and Hydrated Bentonite Crumbles		5		ML	Dark brown, damp, Sandy SILT		
6										Bottom of boring at 10 feet BGS
7										
8										
9										
10	ND<5.0	<0.1			10		SM	Light brown, damp, Silty fine grained SAND		
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

Project Name	<b>777 WEST ORANGETHORPE AVENUE</b>	Log of Boring	Figure No.
Project Number	<b>1121-01</b>	<b>B4</b>	<b>1</b>

Date drilled/completed August 31, 2021 Boring depth Approx. 10 feet BGS  
 Geologist M. Banh Initial depth to water Not Encountered  
 Drilling equipment Truck Mounted Geoprobe 6600 Static depth to water Not Applicable  
 Surface elevation Not Applicable Probe depth Not Applicable  
 Top of casing elevation Not Applicable Borehole Diameter 2.25-inches

Depth	EPA Method 8240B VOCs (mg/kg)	Headspace (ppm)	Well Construction Detail	Sample Type	Blow Counts	Sample No.	Graphic Log	U.S. C.S. Classification	Description	Remarks
0			Concrete						4" Concrete 6" base Gravel, broken pieces of Concrete	Clear to 4 feet BGS
1								ML	Dark brown, damp, Sandy SILT with trace Clay	
2										No Odors
3										
4										
5	ND	<0.1	Backfill with Hydrated Bentonite Crumbles		-	5		SM	Brown, damp, Silty fine grained SAND	
6										Becomes light brown
7										
8										
9										Bottom of boring at 10 feet BGS
10	ND				-	10				
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

Project Name	<b>777 WEST ORANGETHORPE AVENUE</b>	Log of Boring	Figure No.
Project Number	<b>1121-01</b>	<b>B6</b>	<b>1</b>

Date drilled/completed August 30, 2021 Boring depth Approx. 10 feet BGS  
 Geologist M. Banh Initial depth to water Not Encountered  
 Drilling equipment Truck Mounted Geoprobe 6600 Static depth to water Not Applicable  
 Surface elevation Not Applicable Probe depth Not Applicable  
 Top of casing elevation Not Applicable Borehole Diameter 2.25-inches

Depth	EPA Method 8015 TPH-CC (mg/kg)	Headspace (ppm)	Well Construction Detail	Sample Type	Blow Counts	Sample No.	Graphic Log	U.S. C.S. Classification	Description	Remarks
0			Concrete					4" Concrete		Clear to 4 feet BGS ↓ No Odors ↓
1										
2										
3										
4										
5	12	<0.1	Backfill with Hydrated Bentonite Crumbles		5		SM	Brown, damp, Silty fine grained SAND		
6										
7										
8										
9										
10	7.1	<0.1			10			Becomes light brown		
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

Project Name	<b>777 WEST ORANGETHORPE AVENUE</b>	Log of Boring	Figure No.
Project Number	<b>1121-01</b>	<b>B1</b>	<b>1</b>

Date drilled/completed August 30, 2021 Boring depth Approx. 30 feet BGS  
 Geologist M. Banh Initial depth to water Not Encountered  
 Drilling equipment Truck Mounted Geoprobe 6600 Static depth to water Not Applicable  
 Surface elevation Not Applicable Probe depth 4.5, 14.5 & 29.5 feet BGS  
 Top of casing elevation Not Applicable Borehole Diameter 6.5" to 5' bgs; 2.25" from 5-30' bgs

Depth	EPA Method 8240B VOCs (mg/kg)	Headspace (ppm)	Well Construction Detail	Sample Type	Blow Counts	Sample No.	Graphic Log	U.S. C.S. Classification	Description	Remarks
0			Temporary Wellbox						4" Asphalt	Clear to 5 feet BGS ↓ No Odors ↓
1										
2			1/4" Nylaflow Tubing (Typ.)							
3										
4			Probe Tip (Typ.)							
5					5		ML	Brown, damp, Silty fine grained SAND		
6	ND	<0.1								
7										
8			Hydrated Bentonite Crumbles (Typ.)							
9										
10	ND	<0.1			10		SW	Light brown, damp, Silty well graded SAND with trace Gravel		
11										
12										
13										
14										
15	ND	<0.1	#3 Sand (Typ.)		15					
16										
17										
18										
19										
20	ND	<0.1			20					
21										
22										
23										
24										
25	ND	<0.1			25		SM	Light brown, damp, Silty fine grained SAND with trace Gravel		
26										
27										
28										
29	ND	<0.1	Dry Bentonite Crumbles (Typ.)		30					
30										

Project Name	<b>777 WEST ORANGETHORPE AVENUE</b>	Log of Boring	Figure No.
Project Number	<b>1121-01</b>	<b>SV1</b>	<b>1</b>

Depth	EPA Method 8260B VOCs (mg/kg)	Headspace (ppm)	Well Construction Detail	Sample Type	Blow Counts	Sample No.	Graphic Log	U.S.C.S. Classification	Description	Remarks	
30									Bottom of boring at 30 feet BGS		
31											
32											
33											
34											
35											
36											
37											
38											
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57											
58											
59											
60											
Project Name									777 WEST ORANGETHORPE AVENUE	Log of Boring <b>SV1</b>	Figure No. 2
Project Number									1121-01		

Date drilled/completed August 30, 2021 Boring depth Approx. 30 feet BGS  
 Geologist M. Banh Initial depth to water Not Encountered  
 Drilling equipment Truck Mounted Geoprobe 6600 Static depth to water Not Applicable  
 Surface elevation Not Applicable Probe depth 4.5, 14.5 & 29.5 feet BGS  
 Top of casing elevation Not Applicable Borehole Diameter 6.5" to 5' bgs; 2.25" from 5-30' bgs

Depth	EPA Method 8240B VOCs (mg/kg)	Headspace (ppm)	Well Construction Detail	Sample Type	Blow Counts	Sample No.	Graphic Log	U.S. C.S. Classification	Description	Remarks
0			Temporary Wellbox						4" Asphalt	Clear to 4 feet BGS ↓ No Odors ↓
1			1/4" Nylaflow Tubing (Typ.)							
2			Probe Tip (Typ.)							
3										
4										
5					5		SM	Brown, damp, Silty fine grained SAND with some Clay and trace Gravel		
6	ND	<0.1								
7										
8			Hydrated Bentonite Crumbles (Typ.)							
9										
10	ND	<0.1			10			No trace Gravel		
11										
12										
13										
14										
15	ND	<0.1	#3 Sand (Typ.)		15		SW	Light brown, damp, Silty well graded SAND		
16										
17										
18										
19										
20	ND	<0.1			20					
21										
22										
23										
24										
25	ND	<0.1			25					
26										
27										
28										
29	ND	<0.1	Dry Bentonite Crumbles (Typ.)		30					
30										

Project Name	<b>777 WEST ORANGETHORPE AVENUE</b>	Log of Boring	Figure No.
Project Number	<b>1121-01</b>	<b>SV2</b>	<b>1</b>

Depth	EPA Method 8260B VOCs (mg/kg)	Headspace (ppm)	Well Construction Detail	Sample Type	Blow Counts	Sample No.	Graphic Log	U.S.C.S. Classification	Description	Remarks	
30									Bottom of boring at 30 feet BGS		
31											
32											
33											
34											
35											
36											
37											
38											
39											
40											
41											
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59											
60											
Project Name									777 WEST ORANGETHORPE AVENUE	Log of Boring <b>SV2</b>	Figure No. 2
Project Number									1121-01		



Depth	EPA Method 8260B VOCs (mg/kg)	Headspace (ppm)	Well Construction Detail	Sample Type	Blow Counts	Sample No.	Graphic Log	U.S.C.S. Classification	Description	Remarks	
30									Bottom of boring at 30 feet BGS		
31											
32											
33											
34											
35											
36											
37											
38											
39											
40											
41											
42											
43											
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53											
54											
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56											
57											
58											
59											
60											
Project Name									777 WEST ORANGETHORPE AVENUE	Log of Boring <b>SV3</b>	Figure No. 2
Project Number									1121-01		



Depth	EPA Method 8260B VOCs (mg/kg)	Headspace (ppm)	Well Construction Detail	Sample Type	Blow Counts	Sample No.	Graphic Log	U.S.C.S. Classification	Description	Remarks	
30									Bottom of boring at 30 feet BGS		
31											
32											
33											
34											
35											
36											
37											
38											
39											
40											
41											
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55											
56											
57											
58											
59											
60											
Project Name									777 WEST ORANGETHORPE	Log of Boring <b>HA1</b>	Figure No. 2
Project Number									1121-01		

Date drilled/completed August 31, 2021 Boring depth Approx. 30 feet BGS  
 Geologist M. Banh Initial depth to water Not Encountered  
 Drilling equipment Truck Mounted Geoprobe 6600 Static depth to water Not Applicable  
 Surface elevation Not Applicable Probe depth 4.5, 14.5 & 29.5 feet BGS  
 Top of casing elevation Not Applicable Borehole Diameter 6.5" to 5' bgs; 2.25" from 5-30' bgs

Depth	EPA Method 8240B VOCs (mg/kg)	Headspace (ppm)	Well Construction Detail	Sample Type	Blow Counts	Sample No.	Graphic Log	U.S. C.S. Classification	Description	Remarks
0			Temporary Wellbox						4" Concrete	Clear to 5 feet BGS
1			1/4" Nylaflo Tubing (Typ.)							
2			Probe Tip (Typ.)							No Odors
3										
4										
5					5		ML		Brown, damp, Sandy SILT with trace Clay and Gravel	
6	ND	<0.1								
7										
8			Hydrated Bentonite Crumbles (Typ.)							
9										
10	ND	<0.1			10		SW		Light brown, damp, Silty well graded SAND	
11										
12										
13										
14										
15	ND	<0.1	#3 Sand (Typ.)		15				With trace Gravel	
16										
17										
18										
19										
20	ND	<0.1			20				No trace Gravel	
21										
22										
23										
24										
25	ND	<0.1			25		SM		Light brown, damp, Silty fine to medium grained SAND	
26										
27										
28										
29	ND	<0.1	Dry Bentonite Crumbles (Typ.)		30					
30										

Project Name	<b>777 WEST ORANGETHORPE AVENUE</b>	Log of Boring	Figure No.
Project Number	<b>1121-01</b>	<b>HA2</b>	<b>1</b>

Depth	EPA Method 8260B VOCs (mg/kg)	Headspace (ppm)	Well Construction Detail	Sample Type	Blow Counts	Sample No.	Graphic Log	U.S.C.S. Classification	Description	Remarks
30									Bottom of boring at 30 feet BGS	
31										
32										
33										
34										
35										
36										
37										
38										
39										
40										
41										
42										
43										
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53										
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58										
59										
60										
Project Name <b>777 WEST ORANGETHORPE AVENUE</b>									Log of Boring	Figure No.
Project Number <b>1121-01</b>									<b>HA2</b>	2

**APPENDIX E**

**LABORATORY ANALYSES REPORTS**

## **SOIL SAMPLES**

## ANALYTICAL REPORT

Eurofins Calscience LLC  
7440 Lincoln Way  
Garden Grove, CA 92841  
Tel: (714)895-5494

Laboratory Job ID: 570-68691-1  
Client Project/Site: 777 Orangethorpe Ave

For:  
Frey Environmental  
2817-A La Fayette Ave  
Newport Beach, California 92663

Attn: Deanna Hoppe (EDF)



Authorized for release by:  
9/4/2021 10:48:37 AM

Tina Nguyen, Project Manager  
(714)895-5494  
[tina.nguyen@eurofinset.com](mailto:tina.nguyen@eurofinset.com)

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Expert**

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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	2
Definitions/Glossary . . . . .	3
Case Narrative . . . . .	4
Detection Summary . . . . .	5
Client Sample Results . . . . .	6
Surrogate Summary . . . . .	9
QC Sample Results . . . . .	10
QC Association Summary . . . . .	12
Lab Chronicle . . . . .	13
Certification Summary . . . . .	15
Method Summary . . . . .	16
Sample Summary . . . . .	17
Chain of Custody . . . . .	18
Receipt Checklists . . . . .	22

# Definitions/Glossary

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-1

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-1

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**Job ID: 570-68691-1**

---

**Laboratory: Eurofins Calscience LLC**

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**Narrative**

**Job Narrative**  
**570-68691-1**

**Comments**

No additional comments.

**Receipt**

The samples were received on 8/30/2021 3:48 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.1° C.

**GC Semi VOA**

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

**Organic Prep**

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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# Detection Summary

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-1

## Client Sample ID: SV3-5

## Lab Sample ID: 570-68691-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C6-C44	11		5.0		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	6.3		5.0		mg/Kg	1		8015B	Total/NA

## Client Sample ID: SV3-10

## Lab Sample ID: 570-68691-14

No Detections.

## Client Sample ID: B1-5

## Lab Sample ID: 570-68691-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C6-C44	12		4.9		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	6.2		4.9		mg/Kg	1		8015B	Total/NA

## Client Sample ID: B1-10

## Lab Sample ID: 570-68691-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C6-C44	7.1		5.0		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	5.6		5.0		mg/Kg	1		8015B	Total/NA

## Client Sample ID: B3-5

## Lab Sample ID: 570-68691-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C19-C20	4.9		4.9		mg/Kg	1		8015B	Total/NA
C21-C22	8.1		4.9		mg/Kg	1		8015B	Total/NA
C23-C24	8.9		4.9		mg/Kg	1		8015B	Total/NA
C25-C28	23		4.9		mg/Kg	1		8015B	Total/NA
C33-C36	14		4.9		mg/Kg	1		8015B	Total/NA
C37-C40	6.1		4.9		mg/Kg	1		8015B	Total/NA
C6-C44	93		4.9		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	53		4.9		mg/Kg	1		8015B	Total/NA

## Client Sample ID: B3-10

## Lab Sample ID: 570-68691-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C6-C44	5.3		4.9		mg/Kg	1		8015B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-1

## Method: 8015B - Diesel Range Organics (DRO) (GC)

**Client Sample ID: SV3-5**  
**Date Collected: 08/30/21 13:05**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-13**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:19	1
C7 as C7	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:19	1
C8 as C8	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:19	1
C9-C10	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:19	1
C11-C12	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:19	1
C13-C14	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:19	1
C15-C16	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:19	1
C17-C18	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:19	1
C19-C20	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:19	1
C21-C22	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:19	1
C23-C24	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:19	1
C25-C28	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:19	1
C29-C32	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:19	1
C33-C36	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:19	1
C37-C40	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:19	1
C41-C44	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:19	1
<b>C6-C44</b>	<b>11</b>		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:19	1
<b>Diesel Range Organics [C10-C28]</b>	<b>6.3</b>		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:19	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>n-Octacosane (Surr)</i>	115		60 - 138				09/03/21 11:16	09/03/21 21:19	1

**Client Sample ID: SV3-10**  
**Date Collected: 08/30/21 13:07**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-14**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:41	1
C7 as C7	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:41	1
C8 as C8	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:41	1
C9-C10	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:41	1
C11-C12	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:41	1
C13-C14	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:41	1
C15-C16	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:41	1
C17-C18	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:41	1
C19-C20	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:41	1
C21-C22	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:41	1
C23-C24	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:41	1
C25-C28	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:41	1
C29-C32	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:41	1
C33-C36	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:41	1
C37-C40	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:41	1
C41-C44	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:41	1
C6-C44	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:41	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 21:41	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>n-Octacosane (Surr)</i>	77		60 - 138				09/03/21 11:16	09/03/21 21:41	1

# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-1

## Method: 8015B - Diesel Range Organics (DRO) (GC)

**Client Sample ID: B1-5**  
**Date Collected: 08/30/21 14:03**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-19**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:04	1
C7 as C7	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:04	1
C8 as C8	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:04	1
C9-C10	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:04	1
C11-C12	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:04	1
C13-C14	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:04	1
C15-C16	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:04	1
C17-C18	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:04	1
C19-C20	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:04	1
C21-C22	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:04	1
C23-C24	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:04	1
C25-C28	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:04	1
C29-C32	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:04	1
C33-C36	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:04	1
C37-C40	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:04	1
C41-C44	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:04	1
<b>C6-C44</b>	<b>12</b>		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:04	1
<b>Diesel Range Organics [C10-C28]</b>	<b>6.2</b>		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	111		60 - 138	09/03/21 11:16	09/03/21 22:04	1

**Client Sample ID: B1-10**  
**Date Collected: 08/30/21 14:06**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-20**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 22:25	1
C7 as C7	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 22:25	1
C8 as C8	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 22:25	1
C9-C10	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 22:25	1
C11-C12	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 22:25	1
C13-C14	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 22:25	1
C15-C16	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 22:25	1
C17-C18	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 22:25	1
C19-C20	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 22:25	1
C21-C22	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 22:25	1
C23-C24	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 22:25	1
C25-C28	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 22:25	1
C29-C32	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 22:25	1
C33-C36	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 22:25	1
C37-C40	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 22:25	1
C41-C44	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 22:25	1
<b>C6-C44</b>	<b>7.1</b>		5.0		mg/Kg		09/03/21 11:16	09/03/21 22:25	1
<b>Diesel Range Organics [C10-C28]</b>	<b>5.6</b>		5.0		mg/Kg		09/03/21 11:16	09/03/21 22:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	118		60 - 138	09/03/21 11:16	09/03/21 22:25	1

# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-1

## Method: 8015B - Diesel Range Organics (DRO) (GC)

**Client Sample ID: B3-5**  
**Date Collected: 08/30/21 14:11**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-21**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:48	1
C7 as C7	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:48	1
C8 as C8	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:48	1
C9-C10	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:48	1
C11-C12	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:48	1
C13-C14	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:48	1
C15-C16	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:48	1
C17-C18	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:48	1
<b>C19-C20</b>	<b>4.9</b>		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:48	1
<b>C21-C22</b>	<b>8.1</b>		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:48	1
<b>C23-C24</b>	<b>8.9</b>		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:48	1
<b>C25-C28</b>	<b>23</b>		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:48	1
C29-C32	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:48	1
<b>C33-C36</b>	<b>14</b>		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:48	1
<b>C37-C40</b>	<b>6.1</b>		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:48	1
C41-C44	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:48	1
<b>C6-C44</b>	<b>93</b>		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:48	1
<b>Diesel Range Organics [C10-C28]</b>	<b>53</b>		4.9		mg/Kg		09/03/21 11:16	09/03/21 22:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	111		60 - 138	09/03/21 11:16	09/03/21 22:48	1

**Client Sample ID: B3-10**  
**Date Collected: 08/30/21 14:14**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-22**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 23:10	1
C7 as C7	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 23:10	1
C8 as C8	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 23:10	1
C9-C10	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 23:10	1
C11-C12	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 23:10	1
C13-C14	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 23:10	1
C15-C16	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 23:10	1
C17-C18	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 23:10	1
C19-C20	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 23:10	1
C21-C22	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 23:10	1
C23-C24	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 23:10	1
C25-C28	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 23:10	1
C29-C32	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 23:10	1
C33-C36	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 23:10	1
C37-C40	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 23:10	1
C41-C44	ND		4.9		mg/Kg		09/03/21 11:16	09/03/21 23:10	1
<b>C6-C44</b>	<b>5.3</b>		4.9		mg/Kg		09/03/21 11:16	09/03/21 23:10	1
<b>Diesel Range Organics [C10-C28]</b>	<b>ND</b>		4.9		mg/Kg		09/03/21 11:16	09/03/21 23:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	109		60 - 138	09/03/21 11:16	09/03/21 23:10	1

# Surrogate Summary

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-1

**Method: 8015B - Diesel Range Organics (DRO) (GC)**

**Matrix: Solid**

**Prep Type: Total/NA**

## Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN1 (60-138)
570-68691-13	SV3-5	115
570-68691-13 MS	SV3-5	107
570-68691-13 MSD	SV3-5	110
570-68691-14	SV3-10	77
570-68691-19	B1-5	111
570-68691-20	B1-10	118
570-68691-21	B3-5	111
570-68691-22	B3-10	109
LCS 570-176721/2-A	Lab Control Sample	113
LCSD 570-176721/3-A	Lab Control Sample Dup	106
MB 570-176721/1-A	Method Blank	106

### Surrogate Legend

OTCSN = n-Octacosane (Surr)

# QC Sample Results

Client: Frey Environmental  
 Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-1

## Method: 8015B - Diesel Range Organics (DRO) (GC)

**Lab Sample ID: MB 570-176721/1-A**  
**Matrix: Solid**  
**Analysis Batch: 176862**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 176721**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
C6 as C6	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
C7 as C7	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
C8 as C8	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
C9-C10	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
C11-C12	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
C13-C14	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
C15-C16	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
C17-C18	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
C19-C20	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
C21-C22	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
C23-C24	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
C25-C28	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
C29-C32	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
C33-C36	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
C37-C40	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
C41-C44	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
C6-C44	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
n-Octacosane (Surr)	106		60 - 138	09/03/21 11:16	09/03/21 18:45	1

**Lab Sample ID: LCS 570-176721/2-A**  
**Matrix: Solid**  
**Analysis Batch: 176862**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 176721**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Diesel Range Organics [C10-C28]	400	448.0		mg/Kg		112	80 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
n-Octacosane (Surr)	113		60 - 138

**Lab Sample ID: LCSD 570-176721/3-A**  
**Matrix: Solid**  
**Analysis Batch: 176862**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 176721**

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
		Result	Qualifier						
Diesel Range Organics [C10-C28]	400	425.0		mg/Kg		106	80 - 130	5	20

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
n-Octacosane (Surr)	106		60 - 138

# QC Sample Results

Client: Frey Environmental  
 Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-1

## Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: 570-68691-13 MS**

**Matrix: Solid**

**Analysis Batch: 176862**

**Client Sample ID: SV3-5**

**Prep Type: Total/NA**

**Prep Batch: 176721**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	6.3		399	436.4		mg/Kg		108	43 - 165
<b>Surrogate</b>	<b>MS MS %Recovery Qualifier</b>		<b>Limits</b>						
<i>n-Octacosane (Surr)</i>	107		60 - 138						

**Lab Sample ID: 570-68691-13 MSD**

**Matrix: Solid**

**Analysis Batch: 176862**

**Client Sample ID: SV3-5**

**Prep Type: Total/NA**

**Prep Batch: 176721**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Diesel Range Organics [C10-C28]	6.3		396	438.9		mg/Kg		109	43 - 165	1	35
<b>Surrogate</b>	<b>MSD MSD %Recovery Qualifier</b>		<b>Limits</b>								
<i>n-Octacosane (Surr)</i>	110		60 - 138								

# QC Association Summary

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-1

## GC Semi VOA

### Prep Batch: 176721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-68691-13	SV3-5	Total/NA	Solid	3550C	
570-68691-14	SV3-10	Total/NA	Solid	3550C	
570-68691-19	B1-5	Total/NA	Solid	3550C	
570-68691-20	B1-10	Total/NA	Solid	3550C	
570-68691-21	B3-5	Total/NA	Solid	3550C	
570-68691-22	B3-10	Total/NA	Solid	3550C	
MB 570-176721/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-176721/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-176721/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
570-68691-13 MS	SV3-5	Total/NA	Solid	3550C	
570-68691-13 MSD	SV3-5	Total/NA	Solid	3550C	

### Analysis Batch: 176862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-68691-13	SV3-5	Total/NA	Solid	8015B	176721
570-68691-14	SV3-10	Total/NA	Solid	8015B	176721
570-68691-19	B1-5	Total/NA	Solid	8015B	176721
570-68691-20	B1-10	Total/NA	Solid	8015B	176721
570-68691-21	B3-5	Total/NA	Solid	8015B	176721
570-68691-22	B3-10	Total/NA	Solid	8015B	176721
MB 570-176721/1-A	Method Blank	Total/NA	Solid	8015B	176721
LCS 570-176721/2-A	Lab Control Sample	Total/NA	Solid	8015B	176721
LCSD 570-176721/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	176721
570-68691-13 MS	SV3-5	Total/NA	Solid	8015B	176721
570-68691-13 MSD	SV3-5	Total/NA	Solid	8015B	176721

# Lab Chronicle

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-1

## Client Sample ID: SV3-5

Lab Sample ID: 570-68691-13

Date Collected: 08/30/21 13:05

Matrix: Solid

Date Received: 08/30/21 15:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.10 g	10 mL	176721	09/03/21 11:16	USUL	ECL 1
Total/NA	Analysis	8015B		1			176862	09/03/21 21:19	UJ3K	ECL 1

Instrument ID: GC47

## Client Sample ID: SV3-10

Lab Sample ID: 570-68691-14

Date Collected: 08/30/21 13:07

Matrix: Solid

Date Received: 08/30/21 15:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			9.99 g	10 mL	176721	09/03/21 11:16	USUL	ECL 1
Total/NA	Analysis	8015B		1			176862	09/03/21 21:41	UJ3K	ECL 1

Instrument ID: GC47

## Client Sample ID: B1-5

Lab Sample ID: 570-68691-19

Date Collected: 08/30/21 14:03

Matrix: Solid

Date Received: 08/30/21 15:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.24 g	10 mL	176721	09/03/21 11:16	USUL	ECL 1
Total/NA	Analysis	8015B		1			176862	09/03/21 22:04	UJ3K	ECL 1

Instrument ID: GC47

## Client Sample ID: B1-10

Lab Sample ID: 570-68691-20

Date Collected: 08/30/21 14:06

Matrix: Solid

Date Received: 08/30/21 15:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.06 g	10 mL	176721	09/03/21 11:16	USUL	ECL 1
Total/NA	Analysis	8015B		1			176862	09/03/21 22:25	UJ3K	ECL 1

Instrument ID: GC47

## Client Sample ID: B3-5

Lab Sample ID: 570-68691-21

Date Collected: 08/30/21 14:11

Matrix: Solid

Date Received: 08/30/21 15:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.12 g	10 mL	176721	09/03/21 11:16	USUL	ECL 1
Total/NA	Analysis	8015B		1			176862	09/03/21 22:48	UJ3K	ECL 1

Instrument ID: GC47

# Lab Chronicle

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-1

**Client Sample ID: B3-10**

**Lab Sample ID: 570-68691-22**

**Date Collected: 08/30/21 14:14**

**Matrix: Solid**

**Date Received: 08/30/21 15:48**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.21 g	10 mL	176721	09/03/21 11:16	USUL	ECL 1
Total/NA	Analysis	8015B		1			176862	09/03/21 23:10	UJ3K	ECL 1

Instrument ID: GC47

**Laboratory References:**

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494



# Accreditation/Certification Summary

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-1

## Laboratory: Eurofins Calscience LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2944	09-30-21

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# Method Summary

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-1

Method	Method Description	Protocol	Laboratory
8015B	Diesel Range Organics (DRO) (GC)	SW846	ECL 1
3550C	Ultrasonic Extraction	SW846	ECL 1

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494



# Sample Summary

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-68691-13	SV3-5	Solid	08/30/21 13:05	08/30/21 15:48
570-68691-14	SV3-10	Solid	08/30/21 13:07	08/30/21 15:48
570-68691-19	B1-5	Solid	08/30/21 14:03	08/30/21 15:48
570-68691-20	B1-10	Solid	08/30/21 14:06	08/30/21 15:48
570-68691-21	B3-5	Solid	08/30/21 14:11	08/30/21 15:48
570-68691-22	B3-10	Solid	08/30/21 14:14	08/30/21 15:48

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**Nguyen, Tina**

---

**From:** Deanna Hoppe <deannahoppe@gmail.com>  
**Sent:** Wednesday, September 1, 2021 3:19 PM  
**To:** Nguyen, Tina; moliebanh@freyin.com  
**Subject:** Re: Eurofins Calscience sample confirmation files from 570-68691-1 777 Orangethorpe Ave

EXTERNAL EMAIL\*

Hello Tina,

Could you please do the following?

1. Change to a 48 hr turn around time
2. Analyze soil samples SV3-5 and SV3-10 for TPH-C6-C44

Thank you!

Deanna Hoppe  
Senior Staff Geologist

***FREY Environmental, Inc.***

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On Tue, Aug 31, 2021 at 12:35 PM Tina Nguyen <[tina.nguyen@eurofinset.com](mailto:tina.nguyen@eurofinset.com)> wrote:

Hello,

Attached please find the sample confirmation files for job 570-68691-1; 777 Orangethorpe Ave

Please feel free to contact me if you have any questions.

Thank you.

**Tina Nguyen**  
Project Manager





68691



Calscience

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494  
For counter service / sample drop off information, contact us26\_sales@eurofinsus.com or call us.

CHAIN-OF-CUSTODY RECORD

Date 8/30/21  
Page 3 of 3

WO NO. / LAB USE ONLY

LABORATORY CLIENT: <b>FREY ENVIRONMENTAL, INC.</b>		CLIENT PROJECT NAME / NO. <b>777 ORANGETHORPE</b>		P.O. NO. <b>1121-01</b>	
ADDRESS: <b>2817 A LAFAYETTE AVE</b>		PROJECT CONTACT: <b>DEANNA HOPPE</b>		LAB CONTACT OR QUOTE NO.	
CITY: <b>NEWPORT BEACH</b> STATE: <b>CA</b> ZIP: <b>92663</b>		GLOBAL ID:		LOG CODE:	
TEL: <b>(949) 722-1645</b> E-MAIL: <b>deanna.hoppe@freyinc.com</b>		SAMPLER(S): (PRINT) <b>M. PAMH</b>			
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"): <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> STANDARD		<b>REQUESTED ANALYSES</b> Please check box or fill in blank as needed			
EDD <input type="checkbox"/> COELT EDF <input type="checkbox"/> OTHER					

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT	Unpreserved	Preserved	Field Filtered	<input type="checkbox"/> TPH(g) <input type="checkbox"/> GRO	<input type="checkbox"/> TPH(g) <input type="checkbox"/> DRO	<input checked="" type="checkbox"/> TPH <input type="checkbox"/> C6-C36 <input checked="" type="checkbox"/> C8-C14	TPH	BTEX / MTBE <input type="checkbox"/> 8280 <input type="checkbox"/>	VOCs (8260)	Oxygenates (8260)	Prep (5035) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 SIM	T22 Metals <input type="checkbox"/> 6010/747X <input type="checkbox"/> 6020/747X	Cr(VI) <input type="checkbox"/> 7196 <input type="checkbox"/> 7199 <input type="checkbox"/> 218 6	
		DATE	TIME																				
21	B3-5	8/30/21	2:11	SOIL	1						X												
22	B3-10	8/30/21	2:14	SOIL	1						X												

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: <u>8/30/21</u>	Time: <u>1548</u>
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:



## Login Sample Receipt Checklist

Client: Frey Environmental

Job Number: 570-68691-1

**Login Number: 68691**

**List Source: Eurofins Calscience LLC**

**List Number: 1**

**Creator: Patel, Jayesh**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

## ANALYTICAL REPORT

Eurofins Calscience LLC  
7440 Lincoln Way  
Garden Grove, CA 92841  
Tel: (714)895-5494

Laboratory Job ID: 570-68766-1  
Client Project/Site: 777 Orangethorpe

For:  
Frey Environmental  
2817-A La Fayette Ave  
Newport Beach, California 92663

Attn: Deanna Hoppe



Authorized for release by:  
9/4/2021 10:52:04 AM

Tina Nguyen, Project Manager  
(714)895-5494  
[tina.nguyen@eurofinset.com](mailto:tina.nguyen@eurofinset.com)

### LINKS

Review your project  
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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	2
Definitions/Glossary . . . . .	3
Case Narrative . . . . .	4
Detection Summary . . . . .	5
Client Sample Results . . . . .	6
Surrogate Summary . . . . .	13
QC Sample Results . . . . .	14
QC Association Summary . . . . .	18
Lab Chronicle . . . . .	19
Certification Summary . . . . .	21
Method Summary . . . . .	22
Sample Summary . . . . .	23
Chain of Custody . . . . .	24
Receipt Checklists . . . . .	27

# Definitions/Glossary

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-1

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-1

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**Job ID: 570-68766-1**

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**Laboratory: Eurofins Calscience LLC**

## Narrative

### Job Narrative 570-68766-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 8/31/2021 2:17 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.6° C.

#### GC/MS VOA

Method 8260B: The continuing calibration verification (CCV) associated with batch 570-176173 recovered above the upper control limit for Ethanol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 570-176173/2).

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 570-176184 and analytical batch 570-176173 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

#### Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

#### VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

# Detection Summary

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-1

## Client Sample ID: B5-5

Lab Sample ID: 570-68766-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C6-C44	5.8		5.0		mg/Kg	1		8015B	Total/NA

## Client Sample ID: B5-10

Lab Sample ID: 570-68766-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C6-C44	6.7		5.0		mg/Kg	1		8015B	Total/NA

## Client Sample ID: B4-5

Lab Sample ID: 570-68766-3

No Detections.

## Client Sample ID: B4-10

Lab Sample ID: 570-68766-4

No Detections.

## Client Sample ID: B2-5

Lab Sample ID: 570-68766-5

No Detections.

## Client Sample ID: B2-10

Lab Sample ID: 570-68766-6

No Detections.

## Client Sample ID: B6-5

Lab Sample ID: 570-68766-7

No Detections.

## Client Sample ID: B6-10

Lab Sample ID: 570-68766-8

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Client Sample ID: B6-5**  
**Date Collected: 08/31/21 08:53**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-7**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
1,1,1-Trichloroethane	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.8		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
1,1,2-Trichloroethane	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
1,1-Dichloroethane	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
1,1-Dichloroethene	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
1,2-Dibromo-3-Chloropropane	ND		9.8		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
1,2-Dibromoethane	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
1,2-Dichlorobenzene	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
1,2-Dichloroethane	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
1,2-Dichloropropane	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
1,3-Dichlorobenzene	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
1,3-Dichloropropane	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
1,4-Dichlorobenzene	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
2,2-Dichloropropane	ND		4.9		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
2-Butanone	ND		20		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
2-Chlorotoluene	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
2-Hexanone	ND		20		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
4-Chlorotoluene	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
Acetone	ND		20		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
Benzene	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
Bromobenzene	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
Bromochloromethane	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
Bromodichloromethane	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
Bromoform	ND		4.9		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
Bromomethane	ND		20		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
cis-1,2-Dichloroethene	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
cis-1,3-Dichloropropane	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
Carbon disulfide	ND		9.8		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
Carbon tetrachloride	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
Chlorobenzene	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
Chloroethane	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
Chloroform	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
Chloromethane	ND		20		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
Dibromochloromethane	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
Dibromomethane	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
Di-isopropyl ether (DIPE)	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
Ethanol	ND		240		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
Ethylbenzene	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
Ethyl-t-butyl ether (ETBE)	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: B6-5**  
**Date Collected: 08/31/21 08:53**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-7**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
Methylene Chloride	ND		9.8		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
Naphthalene	ND		9.8		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
n-Butylbenzene	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
N-Propylbenzene	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
o-Xylene	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
m,p-Xylene	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
p-Isopropyltoluene	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
sec-Butylbenzene	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
Styrene	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
trans-1,2-Dichloroethene	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
Tert-amyl-methyl ether (TAME)	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
tert-Butylbenzene	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
Tetrachloroethene	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
Toluene	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
Trichloroethene	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
Trichlorofluoromethane	ND		9.8		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
Vinyl acetate	ND		9.8		ug/Kg		09/01/21 19:28	09/02/21 00:28	1
Vinyl chloride	ND		0.98		ug/Kg		09/01/21 19:28	09/02/21 00:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>1,2-Dichloroethane-d4 (Surr)</i>	103		64 - 141	09/01/21 19:28	09/02/21 00:28	1
<i>4-Bromofluorobenzene (Surr)</i>	99		76 - 120	09/01/21 19:28	09/02/21 00:28	1
<i>Dibromofluoromethane (Surr)</i>	100		47 - 142	09/01/21 19:28	09/02/21 00:28	1
<i>Toluene-d8 (Surr)</i>	101		80 - 120	09/01/21 19:28	09/02/21 00:28	1

**Client Sample ID: B6-10**  
**Date Collected: 08/31/21 08:55**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-8**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
1,1,1-Trichloroethane	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.9		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
1,1,2-Trichloroethane	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
1,1-Dichloroethane	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
1,1-Dichloroethene	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
1,2-Dibromo-3-Chloropropane	ND		9.9		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
1,2-Dibromoethane	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
1,2-Dichlorobenzene	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
1,2-Dichloroethane	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
1,2-Dichloropropane	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: B6-10**  
**Date Collected: 08/31/21 08:55**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-8**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
1,3-Dichlorobenzene	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
1,3-Dichloropropane	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
1,4-Dichlorobenzene	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
2,2-Dichloropropane	ND		4.9		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
2-Butanone	ND		20		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
2-Chlorotoluene	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
2-Hexanone	ND		20		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
4-Chlorotoluene	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
Acetone	ND		20		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
Benzene	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
Bromobenzene	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
Bromochloromethane	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
Bromodichloromethane	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
Bromoform	ND		4.9		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
Bromomethane	ND		20		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
cis-1,2-Dichloroethene	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
cis-1,3-Dichloropropene	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
Carbon disulfide	ND		9.9		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
Carbon tetrachloride	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
Chlorobenzene	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
Chloroethane	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
Chloroform	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
Chloromethane	ND		20		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
Dibromochloromethane	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
Dibromomethane	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
Di-isopropyl ether (DIPE)	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
Ethanol	ND		250		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
Ethylbenzene	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
Ethyl-t-butyl ether (ETBE)	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
Isopropylbenzene	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
Methylene Chloride	ND		9.9		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
Naphthalene	ND		9.9		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
n-Butylbenzene	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
N-Propylbenzene	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
o-Xylene	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
m,p-Xylene	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
p-Isopropyltoluene	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
sec-Butylbenzene	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
Styrene	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
trans-1,2-Dichloroethene	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
Tert-amyl-methyl ether (TAME)	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
tert-Butylbenzene	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
Tetrachloroethene	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1

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# Client Sample Results

Client: Frey Environmental  
 Project/Site: 777 Orangethorpe

Job ID: 570-68766-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: B6-10**  
**Date Collected: 08/31/21 08:55**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-8**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
Trichloroethene	ND		2.0		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
Trichlorofluoromethane	ND		9.9		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
Vinyl acetate	ND		9.9		ug/Kg		09/01/21 19:28	09/02/21 00:51	1
Vinyl chloride	ND		0.99		ug/Kg		09/01/21 19:28	09/02/21 00:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>1,2-Dichloroethane-d4 (Surr)</i>	100		64 - 141	09/01/21 19:28	09/02/21 00:51	1
<i>4-Bromofluorobenzene (Surr)</i>	100		76 - 120	09/01/21 19:28	09/02/21 00:51	1
<i>Dibromofluoromethane (Surr)</i>	95		47 - 142	09/01/21 19:28	09/02/21 00:51	1
<i>Toluene-d8 (Surr)</i>	99		80 - 120	09/01/21 19:28	09/02/21 00:51	1

# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-1

## Method: 8015B - Diesel Range Organics (DRO) (GC)

**Client Sample ID: B5-5**  
**Date Collected: 08/31/21 07:36**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-1**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:32	1
C7 as C7	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:32	1
C8 as C8	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:32	1
C9-C10	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:32	1
C11-C12	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:32	1
C13-C14	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:32	1
C15-C16	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:32	1
C17-C18	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:32	1
C19-C20	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:32	1
C21-C22	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:32	1
C23-C24	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:32	1
C25-C28	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:32	1
C29-C32	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:32	1
C33-C36	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:32	1
C37-C40	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:32	1
C41-C44	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:32	1
<b>C6-C44</b>	<b>5.8</b>		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:32	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:32	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>n-Octacosane (Surr)</i>	109		60 - 138				09/03/21 11:16	09/03/21 23:32	1

**Client Sample ID: B5-10**  
**Date Collected: 08/31/21 07:40**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-2**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:55	1
C7 as C7	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:55	1
C8 as C8	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:55	1
C9-C10	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:55	1
C11-C12	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:55	1
C13-C14	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:55	1
C15-C16	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:55	1
C17-C18	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:55	1
C19-C20	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:55	1
C21-C22	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:55	1
C23-C24	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:55	1
C25-C28	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:55	1
C29-C32	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:55	1
C33-C36	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:55	1
C37-C40	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:55	1
C41-C44	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:55	1
<b>C6-C44</b>	<b>6.7</b>		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:55	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 23:55	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>n-Octacosane (Surr)</i>	108		60 - 138				09/03/21 11:16	09/03/21 23:55	1

# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-1

## Method: 8015B - Diesel Range Organics (DRO) (GC)

**Client Sample ID: B4-5**  
**Date Collected: 08/31/21 08:00**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-3**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.8		mg/Kg		09/03/21 11:16	09/04/21 00:18	1
C7 as C7	ND		4.8		mg/Kg		09/03/21 11:16	09/04/21 00:18	1
C8 as C8	ND		4.8		mg/Kg		09/03/21 11:16	09/04/21 00:18	1
C9-C10	ND		4.8		mg/Kg		09/03/21 11:16	09/04/21 00:18	1
C11-C12	ND		4.8		mg/Kg		09/03/21 11:16	09/04/21 00:18	1
C13-C14	ND		4.8		mg/Kg		09/03/21 11:16	09/04/21 00:18	1
C15-C16	ND		4.8		mg/Kg		09/03/21 11:16	09/04/21 00:18	1
C17-C18	ND		4.8		mg/Kg		09/03/21 11:16	09/04/21 00:18	1
C19-C20	ND		4.8		mg/Kg		09/03/21 11:16	09/04/21 00:18	1
C21-C22	ND		4.8		mg/Kg		09/03/21 11:16	09/04/21 00:18	1
C23-C24	ND		4.8		mg/Kg		09/03/21 11:16	09/04/21 00:18	1
C25-C28	ND		4.8		mg/Kg		09/03/21 11:16	09/04/21 00:18	1
C29-C32	ND		4.8		mg/Kg		09/03/21 11:16	09/04/21 00:18	1
C33-C36	ND		4.8		mg/Kg		09/03/21 11:16	09/04/21 00:18	1
C37-C40	ND		4.8		mg/Kg		09/03/21 11:16	09/04/21 00:18	1
C41-C44	ND		4.8		mg/Kg		09/03/21 11:16	09/04/21 00:18	1
C6-C44	ND		4.8		mg/Kg		09/03/21 11:16	09/04/21 00:18	1
Diesel Range Organics [C10-C28]	ND		4.8		mg/Kg		09/03/21 11:16	09/04/21 00:18	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>n-Octacosane (Surr)</i>	102		60 - 138				09/03/21 11:16	09/04/21 00:18	1

**Client Sample ID: B4-10**  
**Date Collected: 08/31/21 08:03**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-4**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 00:40	1
C7 as C7	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 00:40	1
C8 as C8	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 00:40	1
C9-C10	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 00:40	1
C11-C12	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 00:40	1
C13-C14	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 00:40	1
C15-C16	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 00:40	1
C17-C18	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 00:40	1
C19-C20	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 00:40	1
C21-C22	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 00:40	1
C23-C24	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 00:40	1
C25-C28	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 00:40	1
C29-C32	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 00:40	1
C33-C36	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 00:40	1
C37-C40	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 00:40	1
C41-C44	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 00:40	1
C6-C44	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 00:40	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 00:40	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>n-Octacosane (Surr)</i>	108		60 - 138				09/03/21 11:16	09/04/21 00:40	1

# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-1

## Method: 8015B - Diesel Range Organics (DRO) (GC)

**Client Sample ID: B2-5**  
**Date Collected: 08/31/21 08:10**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-5**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		09/03/21 11:16	09/04/21 01:03	1
C7 as C7	ND		4.9		mg/Kg		09/03/21 11:16	09/04/21 01:03	1
C8 as C8	ND		4.9		mg/Kg		09/03/21 11:16	09/04/21 01:03	1
C9-C10	ND		4.9		mg/Kg		09/03/21 11:16	09/04/21 01:03	1
C11-C12	ND		4.9		mg/Kg		09/03/21 11:16	09/04/21 01:03	1
C13-C14	ND		4.9		mg/Kg		09/03/21 11:16	09/04/21 01:03	1
C15-C16	ND		4.9		mg/Kg		09/03/21 11:16	09/04/21 01:03	1
C17-C18	ND		4.9		mg/Kg		09/03/21 11:16	09/04/21 01:03	1
C19-C20	ND		4.9		mg/Kg		09/03/21 11:16	09/04/21 01:03	1
C21-C22	ND		4.9		mg/Kg		09/03/21 11:16	09/04/21 01:03	1
C23-C24	ND		4.9		mg/Kg		09/03/21 11:16	09/04/21 01:03	1
C25-C28	ND		4.9		mg/Kg		09/03/21 11:16	09/04/21 01:03	1
C29-C32	ND		4.9		mg/Kg		09/03/21 11:16	09/04/21 01:03	1
C33-C36	ND		4.9		mg/Kg		09/03/21 11:16	09/04/21 01:03	1
C37-C40	ND		4.9		mg/Kg		09/03/21 11:16	09/04/21 01:03	1
C41-C44	ND		4.9		mg/Kg		09/03/21 11:16	09/04/21 01:03	1
C6-C44	ND		4.9		mg/Kg		09/03/21 11:16	09/04/21 01:03	1
Diesel Range Organics [C10-C28]	ND		4.9		mg/Kg		09/03/21 11:16	09/04/21 01:03	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>n-Octacosane (Surr)</i>	104		60 - 138				09/03/21 11:16	09/04/21 01:03	1

**Client Sample ID: B2-10**  
**Date Collected: 08/31/21 08:12**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-6**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 01:27	1
C7 as C7	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 01:27	1
C8 as C8	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 01:27	1
C9-C10	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 01:27	1
C11-C12	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 01:27	1
C13-C14	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 01:27	1
C15-C16	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 01:27	1
C17-C18	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 01:27	1
C19-C20	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 01:27	1
C21-C22	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 01:27	1
C23-C24	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 01:27	1
C25-C28	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 01:27	1
C29-C32	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 01:27	1
C33-C36	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 01:27	1
C37-C40	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 01:27	1
C41-C44	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 01:27	1
C6-C44	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 01:27	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		09/03/21 11:16	09/04/21 01:27	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>n-Octacosane (Surr)</i>	101		60 - 138				09/03/21 11:16	09/04/21 01:27	1

# Surrogate Summary

Client: Frey Environmental  
 Project/Site: 777 Orangethorpe

Job ID: 570-68766-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (64-141)	BFB (76-120)	DBFM (47-142)	TOL (80-120)
570-68766-7	B6-5	103	99	100	101
570-68766-8	B6-10	100	100	95	99
LCS 570-176184/1-A	Lab Control Sample	102	101	101	100
LCSD 570-176184/2-A	Lab Control Sample Dup	100	101	99	100
MB 570-176184/3-A	Method Blank	105	97	100	100

#### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

## Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN1
		(60-138)
570-68766-1	B5-5	109
570-68766-2	B5-10	108
570-68766-3	B4-5	102
570-68766-4	B4-10	108
570-68766-5	B2-5	104
570-68766-6	B2-10	101
LCS 570-176721/2-A	Lab Control Sample	113
LCSD 570-176721/3-A	Lab Control Sample Dup	106
MB 570-176721/1-A	Method Blank	106

#### Surrogate Legend

OTCSN = n-Octacosane (Surr)

# QC Sample Results

Client: Frey Environmental  
 Project/Site: 777 Orangethorpe

Job ID: 570-68766-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 570-176184/3-A**  
**Matrix: Solid**  
**Analysis Batch: 176173**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 176184**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
1,1-Dichloroethane	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
1,1-Dichloroethene	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
1,2-Dibromoethane	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
1,2-Dichloroethane	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
1,2-Dichloropropane	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
1,3-Dichloropropane	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
2,2-Dichloropropane	ND		5.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
2-Butanone	ND		20		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
2-Chlorotoluene	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
2-Hexanone	ND		20		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
4-Chlorotoluene	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
Acetone	ND		20		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
Benzene	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
Bromobenzene	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
Bromochloromethane	ND		2.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
Bromodichloromethane	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
Bromoform	ND		5.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
Bromomethane	ND		20		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
Carbon disulfide	ND		10		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
Carbon tetrachloride	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
Chlorobenzene	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
Chloroethane	ND		2.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
Chloroform	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
Chloromethane	ND		20		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
Dibromochloromethane	ND		2.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
Dibromomethane	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
Ethanol	ND		250		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
Ethylbenzene	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1

# QC Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 570-176184/3-A**  
**Matrix: Solid**  
**Analysis Batch: 176173**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 176184**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
Isopropylbenzene	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
Methylene Chloride	ND		10		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
Naphthalene	ND		10		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
n-Butylbenzene	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
N-Propylbenzene	ND		2.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
o-Xylene	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
m,p-Xylene	ND		2.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
p-Isopropyltoluene	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
sec-Butylbenzene	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
Styrene	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
tert-Butylbenzene	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
Tetrachloroethene	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
Toluene	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
Trichloroethene	ND		2.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
Trichlorofluoromethane	ND		10		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
Vinyl acetate	ND		10		ug/Kg		09/01/21 19:28	09/01/21 21:25	1
Vinyl chloride	ND		1.0		ug/Kg		09/01/21 19:28	09/01/21 21:25	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	105		64 - 141	09/01/21 19:28	09/01/21 21:25	1
4-Bromofluorobenzene (Surr)	97		76 - 120	09/01/21 19:28	09/01/21 21:25	1
Dibromofluoromethane (Surr)	100		47 - 142	09/01/21 19:28	09/01/21 21:25	1
Toluene-d8 (Surr)	100		80 - 120	09/01/21 19:28	09/01/21 21:25	1

**Lab Sample ID: LCS 570-176184/1-A**  
**Matrix: Solid**  
**Analysis Batch: 176173**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 176184**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,2-Dibromoethane	49.9	50.81		ug/Kg		102	80 - 120
1,2-Dichlorobenzene	49.9	47.96		ug/Kg		96	80 - 120
1,2-Dichloroethane	49.9	51.03		ug/Kg		102	76 - 126
Benzene	49.9	48.94		ug/Kg		98	76 - 120
Carbon tetrachloride	49.9	48.51		ug/Kg		97	68 - 132
Chlorobenzene	49.9	48.58		ug/Kg		97	80 - 120
Di-isopropyl ether (DIPE)	49.9	51.07		ug/Kg		102	69 - 123
Ethanol	499	694.6		ug/Kg		139	46 - 152
Ethylbenzene	49.9	47.67		ug/Kg		96	80 - 120
Ethyl-t-butyl ether (ETBE)	49.9	49.51		ug/Kg		99	69 - 121
Methyl-t-Butyl Ether (MTBE)	49.9	49.91		ug/Kg		100	70 - 120
o-Xylene	49.9	48.52		ug/Kg		97	76 - 125

# QC Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 570-176184/1-A**  
**Matrix: Solid**  
**Analysis Batch: 176173**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 176184**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m,p-Xylene	99.8	97.21		ug/Kg		97	75 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		64 - 141
4-Bromofluorobenzene (Surr)	101		76 - 120
Dibromofluoromethane (Surr)	101		47 - 142
Toluene-d8 (Surr)	100		80 - 120

**Lab Sample ID: LCSD 570-176184/2-A**  
**Matrix: Solid**  
**Analysis Batch: 176173**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 176184**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,1-Dichloroethene	49.9	52.56		ug/Kg		105	68 - 120	6	20
1,2-Dibromoethane	49.9	52.74		ug/Kg		106	80 - 120	4	20
1,2-Dichlorobenzene	49.9	51.23		ug/Kg		103	80 - 120	7	20
1,2-Dichloroethane	49.9	52.85		ug/Kg		106	76 - 126	3	20
Benzene	49.9	51.44		ug/Kg		103	76 - 120	5	20
Carbon tetrachloride	49.9	54.29		ug/Kg		109	68 - 132	11	20
Chlorobenzene	49.9	50.97		ug/Kg		102	80 - 120	5	20
Di-isopropyl ether (DIPE)	49.9	53.46		ug/Kg		107	69 - 123	5	20
Ethanol	499	609.4		ug/Kg		122	46 - 152	13	30
Ethylbenzene	49.9	50.69		ug/Kg		102	80 - 120	6	20
Ethyl-t-butyl ether (ETBE)	49.9	52.74		ug/Kg		106	69 - 121	6	20
Methyl-t-Butyl Ether (MTBE)	49.9	52.32		ug/Kg		105	70 - 120	5	20
o-Xylene	49.9	50.66		ug/Kg		102	76 - 125	4	20
m,p-Xylene	99.8	102.7		ug/Kg		103	75 - 122	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		64 - 141
4-Bromofluorobenzene (Surr)	101		76 - 120
Dibromofluoromethane (Surr)	99		47 - 142
Toluene-d8 (Surr)	100		80 - 120

## Method: 8015B - Diesel Range Organics (DRO) (GC)

**Lab Sample ID: MB 570-176721/1-A**  
**Matrix: Solid**  
**Analysis Batch: 176862**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 176721**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
C7 as C7	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
C8 as C8	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
C9-C10	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
C11-C12	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
C13-C14	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
C15-C16	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1

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# QC Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-1

## Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: MB 570-176721/1-A**  
**Matrix: Solid**  
**Analysis Batch: 176862**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 176721**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
C17-C18	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
C19-C20	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
C21-C22	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
C23-C24	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
C25-C28	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
C29-C32	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
C33-C36	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
C37-C40	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
C41-C44	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
C6-C44	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		09/03/21 11:16	09/03/21 18:45	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
<i>n</i> -Octacosane (Surr)	106		60 - 138	09/03/21 11:16	09/03/21 18:45	1

**Lab Sample ID: LCS 570-176721/2-A**  
**Matrix: Solid**  
**Analysis Batch: 176862**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 176721**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
<i>n</i> -Octacosane (Surr)	113		60 - 138

**Lab Sample ID: LCSD 570-176721/3-A**  
**Matrix: Solid**  
**Analysis Batch: 176862**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 176721**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
<i>n</i> -Octacosane (Surr)	106		60 - 138

# QC Association Summary

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-1

## GC/MS VOA

### Analysis Batch: 176173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-68766-7	B6-5	Total/NA	Solid	8260B	176184
570-68766-8	B6-10	Total/NA	Solid	8260B	176184
MB 570-176184/3-A	Method Blank	Total/NA	Solid	8260B	176184
LCS 570-176184/1-A	Lab Control Sample	Total/NA	Solid	8260B	176184
LCSD 570-176184/2-A	Lab Control Sample Dup	Total/NA	Solid	8260B	176184

### Prep Batch: 176184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-68766-7	B6-5	Total/NA	Solid	5030C	
570-68766-8	B6-10	Total/NA	Solid	5030C	
MB 570-176184/3-A	Method Blank	Total/NA	Solid	5030C	
LCS 570-176184/1-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 570-176184/2-A	Lab Control Sample Dup	Total/NA	Solid	5030C	

## GC Semi VOA

### Prep Batch: 176721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-68766-1	B5-5	Total/NA	Solid	3550C	
570-68766-2	B5-10	Total/NA	Solid	3550C	
570-68766-3	B4-5	Total/NA	Solid	3550C	
570-68766-4	B4-10	Total/NA	Solid	3550C	
570-68766-5	B2-5	Total/NA	Solid	3550C	
570-68766-6	B2-10	Total/NA	Solid	3550C	
MB 570-176721/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-176721/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-176721/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	

### Analysis Batch: 176862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-68766-1	B5-5	Total/NA	Solid	8015B	176721
570-68766-2	B5-10	Total/NA	Solid	8015B	176721
570-68766-3	B4-5	Total/NA	Solid	8015B	176721
570-68766-4	B4-10	Total/NA	Solid	8015B	176721
570-68766-5	B2-5	Total/NA	Solid	8015B	176721
570-68766-6	B2-10	Total/NA	Solid	8015B	176721
MB 570-176721/1-A	Method Blank	Total/NA	Solid	8015B	176721
LCS 570-176721/2-A	Lab Control Sample	Total/NA	Solid	8015B	176721
LCSD 570-176721/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	176721

# Lab Chronicle

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-1

**Client Sample ID: B5-5**

**Lab Sample ID: 570-68766-1**

Date Collected: 08/31/21 07:36

Matrix: Solid

Date Received: 08/31/21 14:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.01 g	10 mL	176721	09/03/21 11:16	USUL	ECL 1
Total/NA	Analysis	8015B		1			176862	09/03/21 23:32	UJ3K	ECL 1
Instrument ID: GC47										

**Client Sample ID: B5-10**

**Lab Sample ID: 570-68766-2**

Date Collected: 08/31/21 07:40

Matrix: Solid

Date Received: 08/31/21 14:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.04 g	10 mL	176721	09/03/21 11:16	USUL	ECL 1
Total/NA	Analysis	8015B		1			176862	09/03/21 23:55	UJ3K	ECL 1
Instrument ID: GC47										

**Client Sample ID: B4-5**

**Lab Sample ID: 570-68766-3**

Date Collected: 08/31/21 08:00

Matrix: Solid

Date Received: 08/31/21 14:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.35 g	10 mL	176721	09/03/21 11:16	USUL	ECL 1
Total/NA	Analysis	8015B		1			176862	09/04/21 00:18	UJ3K	ECL 1
Instrument ID: GC47										

**Client Sample ID: B4-10**

**Lab Sample ID: 570-68766-4**

Date Collected: 08/31/21 08:03

Matrix: Solid

Date Received: 08/31/21 14:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.06 g	10 mL	176721	09/03/21 11:16	USUL	ECL 1
Total/NA	Analysis	8015B		1			176862	09/04/21 00:40	UJ3K	ECL 1
Instrument ID: GC47										

**Client Sample ID: B2-5**

**Lab Sample ID: 570-68766-5**

Date Collected: 08/31/21 08:10

Matrix: Solid

Date Received: 08/31/21 14:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.27 g	10 mL	176721	09/03/21 11:16	USUL	ECL 1
Total/NA	Analysis	8015B		1			176862	09/04/21 01:03	UJ3K	ECL 1
Instrument ID: GC47										

# Lab Chronicle

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-1

**Client Sample ID: B2-10**

**Lab Sample ID: 570-68766-6**

**Date Collected: 08/31/21 08:12**

**Matrix: Solid**

**Date Received: 08/31/21 14:17**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.09 g	10 mL	176721	09/03/21 11:16	USUL	ECL 1
Total/NA	Analysis	8015B		1			176862	09/04/21 01:27	UJ3K	ECL 1
Instrument ID: GC47										

**Client Sample ID: B6-5**

**Lab Sample ID: 570-68766-7**

**Date Collected: 08/31/21 08:53**

**Matrix: Solid**

**Date Received: 08/31/21 14:17**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.12 g	5 mL	176184	09/01/21 19:28	YZL3	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	176173	09/02/21 00:28	A1W	ECL 2
Instrument ID: GCMSQ										

**Client Sample ID: B6-10**

**Lab Sample ID: 570-68766-8**

**Date Collected: 08/31/21 08:55**

**Matrix: Solid**

**Date Received: 08/31/21 14:17**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.06 g	5 mL	176184	09/01/21 19:28	YZL3	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	176173	09/02/21 00:51	A1W	ECL 2
Instrument ID: GCMSQ										

**Laboratory References:**

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

# Accreditation/Certification Summary

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-1

## Laboratory: Eurofins Calscience LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2944	09-30-21

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# Method Summary

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	ECL 2
8015B	Diesel Range Organics (DRO) (GC)	SW846	ECL 1
3550C	Ultrasonic Extraction	SW846	ECL 1
5030C	Purge and Trap	SW846	ECL 2

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

# Sample Summary

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-68766-1	B5-5	Solid	08/31/21 07:36	08/31/21 14:17
570-68766-2	B5-10	Solid	08/31/21 07:40	08/31/21 14:17
570-68766-3	B4-5	Solid	08/31/21 08:00	08/31/21 14:17
570-68766-4	B4-10	Solid	08/31/21 08:03	08/31/21 14:17
570-68766-5	B2-5	Solid	08/31/21 08:10	08/31/21 14:17
570-68766-6	B2-10	Solid	08/31/21 08:12	08/31/21 14:17
570-68766-7	B6-5	Solid	08/31/21 08:53	08/31/21 14:17
570-68766-8	B6-10	Solid	08/31/21 08:55	08/31/21 14:17

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**Nguyen, Tina**

---

**From:** Deanna Hoppe <DeannaHoppe@freyinc.com>  
**Sent:** Wednesday, September 1, 2021 3:15 PM  
**To:** Nguyen, Tina  
**Subject:** Re: Eurofins Calscience sample confirmation files from 570-68766-1 777 Orangethorpe

EXTERNAL EMAIL\*

Hello Tina,

Would you please turn this into a 48 hr turnaround time?

Sincerely,

Deanna Hoppe  
Senior Staff Geologist

***FREY Environmental, Inc.***  
[www.freyinc.com](http://www.freyinc.com)  
2817-A Lafayette Avenue  
Newport Beach, CA 92663

cell: (909) 641-4757  
phone: (949) 723-1645

---

**From:** Tina Nguyen <tina.nguyen@eurofinset.com>  
**Sent:** Wednesday, September 1, 2021 12:15 PM  
**To:** Deanna Hoppe <DeannaHoppe@freyinc.com>  
**Subject:** Eurofins Calscience sample confirmation files from 570-68766-1 777 Orangethorpe

Hello,

Attached please find the sample confirmation files for job 570-68766-1; 777 Orangethorpe

Please feel free to contact me if you have any questions.

Thank you.

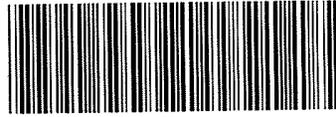
**Tina Nguyen**  
Project Manager

Eurofins Calscience LLC



Calscience

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494  
For courier service / sample drop off information contact us26\_sales@eurofinsus.com or call us.



570-68766 Chain of Custody

CHAIN-OF-CUSTODY RECORD

Date 8/31/2021

Page 1 of 2

LABORATORY CLIENT: <b>FREY ENVIRONMENTAL, INC.</b>		CLIENT PROJECT NAME / NO <b>777 Orangethorpe</b>	P.O. NO. <b>1121-01</b>
ADDRESS: <b>2817 A LAFAYETTE AVE.</b>		PROJECT CONTACT: <b>Deanna Hoppe</b>	LAB CONTACT OR QUOTE NO:
CITY: <b>NEWPORT BEACH</b>	STATE: <b>CA</b>	ZIP: <b>92663</b>	
TEL: <b>(949) 728-1645</b>	E-MAIL: <b>deannahoppe@freyinc.com</b>	GLOBAL ID:	LOG CODE:
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"): <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> STANDARD		SAMPLER(S): (PRINT) <b>M. BANH</b>	
EDD <input type="checkbox"/> COELT EDF <input type="checkbox"/> OTHER		<b>REQUESTED ANALYSES</b> Please check box or fill in blank as needed	

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT	Unpreserved	Preserved	Field Filtered	<input type="checkbox"/> TPH(g) <input type="checkbox"/> GRO	<input type="checkbox"/> TPH(%) <input type="checkbox"/> DRO	TPH <input type="checkbox"/> C6-C36 <input checked="" type="checkbox"/> C6-C44	TPH	BTEX / MTBE <input type="checkbox"/> 8280 <input type="checkbox"/>	VOCs (8280) <b>(full suite)</b>	Oxygenates (8260)	Prep (5035) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 SIM	T22 Metals <input type="checkbox"/> 6010/747X <input type="checkbox"/> 6020/747X	Cr(VI) <input type="checkbox"/> 7196 <input type="checkbox"/> 7199 <input type="checkbox"/> 218.6							
		DATE	TIME																										
1	B5-5	8/31/21	7:36	Soil	1						X																		
2	B5-10		7:40								X																		
3	B4-5		8:00								X																		
4	B4-10		8:03								X																		
5	B2-5		8:10								X																		
6	B2-10		8:12								X																		
7	B6-5		8:53											X															
8	B6-10		8:55											X															
9	HA1-5		9:08																										HOLD
10	HA1-10		9:09																										HOLD

Relinquished by (Signature):	Received by (Signature/Affiliation): <b>Yamer</b>	Date: <b>8/31/21</b>	Time: <b>1417</b>
Relinquished by (Signature):	Received by (Signature/Affiliation):	Date:	Time:
Relinquished by (Signature):	Received by (Signature/Affiliation):	Date:	Time:



# Login Sample Receipt Checklist

Client: Frey Environmental

Job Number: 570-68766-1

**Login Number: 68766**  
**List Number: 1**  
**Creator: Vitente, Precy**

**List Source: Eurofins Calscience LLC**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



## ANALYTICAL REPORT

Eurofins Calscience LLC  
7440 Lincoln Way  
Garden Grove, CA 92841  
Tel: (714)895-5494

Laboratory Job ID: 570-68691-2  
Client Project/Site: 777 Orangethorpe Ave

For:  
Frey Environmental  
2817-A La Fayette Ave  
Newport Beach, California 92663

Attn: Deanna Hoppe (EDF)



Authorized for release by:  
9/13/2021 5:25:08 PM

Tina Nguyen, Project Manager  
(714)895-5494  
[tina.nguyen@eurofinset.com](mailto:tina.nguyen@eurofinset.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	2
Definitions/Glossary . . . . .	3
Case Narrative . . . . .	4
Detection Summary . . . . .	5
Client Sample Results . . . . .	7
Surrogate Summary . . . . .	37
QC Sample Results . . . . .	38
QC Association Summary . . . . .	45
Lab Chronicle . . . . .	47
Certification Summary . . . . .	51
Method Summary . . . . .	52
Sample Summary . . . . .	53
Chain of Custody . . . . .	54
Receipt Checklists . . . . .	58

# Definitions/Glossary

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

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**Job ID: 570-68691-2**

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**Laboratory: Eurofins Calscience LLC**

## Narrative

**Job Narrative**  
**570-68691-2**

## Comments

No additional comments.

## Receipt

The samples were received on 8/30/2021 3:48 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.1° C.

## GC/MS VOA

Method 8260B: The following analyte(s) recovered outside control limits for the LCS associated with preparation batch 570-178599 and analytical batch 570-178574: Acetone. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

## VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

# Detection Summary

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

<b>Client Sample ID: SV1-5</b>	<b>Lab Sample ID: 570-68691-1</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: SV1-10</b>	<b>Lab Sample ID: 570-68691-2</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: SV1-15</b>	<b>Lab Sample ID: 570-68691-3</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: SV1-20</b>	<b>Lab Sample ID: 570-68691-4</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: SV1-25</b>	<b>Lab Sample ID: 570-68691-5</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: SV1-30</b>	<b>Lab Sample ID: 570-68691-6</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: SV2-5</b>	<b>Lab Sample ID: 570-68691-7</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: SV2-10</b>	<b>Lab Sample ID: 570-68691-8</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: SV2-15</b>	<b>Lab Sample ID: 570-68691-9</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: SV2-20</b>	<b>Lab Sample ID: 570-68691-10</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: SV2-25</b>	<b>Lab Sample ID: 570-68691-11</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: SV2-30</b>	<b>Lab Sample ID: 570-68691-12</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: SV3-5</b>	<b>Lab Sample ID: 570-68691-13</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: SV3-10</b>	<b>Lab Sample ID: 570-68691-14</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: SV3-15</b>	<b>Lab Sample ID: 570-68691-15</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: SV3-20</b>	<b>Lab Sample ID: 570-68691-16</b>
<input type="checkbox"/> No Detections.	

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

# Detection Summary

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

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**Client Sample ID: SV3-25**

**Lab Sample ID: 570-68691-17**

No Detections.

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**Client Sample ID: SV3-30**

**Lab Sample ID: 570-68691-18**

No Detections.

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This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
 Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Client Sample ID: SV1-5**  
**Date Collected: 08/30/21 09:05**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-1**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
1,1-Dichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
1,1-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
1,2-Dibromoethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
1,2-Dichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
1,2-Dichloropropane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
1,3-Dichloropropane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
2,2-Dichloropropane	ND		5.1		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
2-Butanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
2-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
2-Hexanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
4-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
Acetone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
Benzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
Bromobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
Bromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
Bromodichloromethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
Bromoform	ND		5.1		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
Bromomethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
cis-1,3-Dichloropropane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
Carbon disulfide	ND		10		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
Carbon tetrachloride	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
Chlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
Chloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
Chloroform	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
Chloromethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
Dibromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
Dibromomethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
Ethanol	ND		250		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
Ethylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1

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# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: SV1-5**  
**Date Collected: 08/30/21 09:05**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-1**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
Methylene Chloride	ND		10		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
Naphthalene	ND		10		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
n-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
N-Propylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
o-Xylene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
m,p-Xylene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
p-Isopropyltoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
sec-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
Styrene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
tert-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
Tetrachloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
Toluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
Trichloroethene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
Trichlorofluoromethane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
Vinyl acetate	ND		10		ug/Kg		09/10/21 10:00	09/10/21 10:49	1
Vinyl chloride	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 10:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>1,2-Dichloroethane-d4 (Surr)</i>	103		64 - 141	09/10/21 10:00	09/10/21 10:49	1
<i>4-Bromofluorobenzene (Surr)</i>	103		76 - 120	09/10/21 10:00	09/10/21 10:49	1
<i>Dibromofluoromethane (Surr)</i>	99		47 - 142	09/10/21 10:00	09/10/21 10:49	1
<i>Toluene-d8 (Surr)</i>	104		80 - 120	09/10/21 10:00	09/10/21 10:49	1

**Client Sample ID: SV1-10**  
**Date Collected: 08/30/21 09:07**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-2**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
1,1,1-Trichloroethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.8		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
1,1,2-Trichloroethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
1,1-Dichloroethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
1,1-Dichloroethene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
1,2-Dibromo-3-Chloropropane	ND		9.8		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
1,2-Dibromoethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
1,2-Dichlorobenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
1,2-Dichloroethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
1,2-Dichloropropane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1

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# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: SV1-10**  
**Date Collected: 08/30/21 09:07**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-2**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
1,3-Dichlorobenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
1,3-Dichloropropane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
1,4-Dichlorobenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
2,2-Dichloropropane	ND		4.9		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
2-Butanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
2-Chlorotoluene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
2-Hexanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
4-Chlorotoluene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
Acetone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
Benzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
Bromobenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
Bromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
Bromodichloromethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
Bromoform	ND		4.9		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
Bromomethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
cis-1,2-Dichloroethene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
cis-1,3-Dichloropropene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
Carbon disulfide	ND		9.8		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
Carbon tetrachloride	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
Chlorobenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
Chloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
Chloroform	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
Chloromethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
Dibromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
Dibromomethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
Di-isopropyl ether (DIPE)	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
Ethanol	ND		240		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
Ethylbenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
Ethyl-t-butyl ether (ETBE)	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
Isopropylbenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
Methylene Chloride	ND		9.8		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
Naphthalene	ND		9.8		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
n-Butylbenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
N-Propylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
o-Xylene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
m,p-Xylene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
p-Isopropyltoluene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
sec-Butylbenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
Styrene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
trans-1,2-Dichloroethene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
Tert-amyl-methyl ether (TAME)	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
tert-Butylbenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
Tetrachloroethene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: SV1-10**  
**Date Collected: 08/30/21 09:07**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-2**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
Trichloroethene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
Trichlorofluoromethane	ND		9.8		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
Vinyl acetate	ND		9.8		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
Vinyl chloride	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 12:17	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>1,2-Dichloroethane-d4 (Surr)</i>	101		64 - 141				09/10/21 10:00	09/10/21 12:17	1
<i>4-Bromofluorobenzene (Surr)</i>	105		76 - 120				09/10/21 10:00	09/10/21 12:17	1
<i>Dibromofluoromethane (Surr)</i>	97		47 - 142				09/10/21 10:00	09/10/21 12:17	1
<i>Toluene-d8 (Surr)</i>	102		80 - 120				09/10/21 10:00	09/10/21 12:17	1

**Client Sample ID: SV1-15**  
**Date Collected: 08/30/21 09:10**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-3**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
1,1-Dichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
1,1-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
1,2-Dibromoethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
1,2-Dichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
1,2-Dichloropropane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
1,3-Dichloropropane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
2,2-Dichloropropane	ND		5.1		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
2-Butanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
2-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
2-Hexanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
4-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Acetone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Benzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Bromobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Bromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Bromodichloromethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Bromoform	ND		5.1		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Bromomethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 12:40	1

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: SV1-15**  
**Date Collected: 08/30/21 09:10**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-3**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Carbon disulfide	ND		10		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Carbon tetrachloride	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Chlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Chloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Chloroform	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Chloromethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Dibromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Dibromomethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Ethanol	ND		260		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Ethylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Isopropylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Methylene Chloride	ND		10		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Naphthalene	ND		10		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
n-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
N-Propylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
o-Xylene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
m,p-Xylene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
p-Isopropyltoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
sec-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Styrene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
tert-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Tetrachloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Toluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Trichloroethene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Trichlorofluoromethane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Vinyl acetate	ND		10		ug/Kg		09/10/21 10:00	09/10/21 12:40	1
Vinyl chloride	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 12:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		64 - 141	09/10/21 10:00	09/10/21 12:40	1
4-Bromofluorobenzene (Surr)	105		76 - 120	09/10/21 10:00	09/10/21 12:40	1
Dibromofluoromethane (Surr)	98		47 - 142	09/10/21 10:00	09/10/21 12:40	1
Toluene-d8 (Surr)	104		80 - 120	09/10/21 10:00	09/10/21 12:40	1

**Client Sample ID: SV1-20**  
**Date Collected: 08/30/21 09:13**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-4**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
1,1,1-Trichloroethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
 Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: SV1-20**  
**Date Collected: 08/30/21 09:13**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-4**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.8		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
1,1,2-Trichloroethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
1,1-Dichloroethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
1,1-Dichloroethene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
1,2-Dibromo-3-Chloropropane	ND		9.8		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
1,2-Dibromoethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
1,2-Dichlorobenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
1,2-Dichloroethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
1,2-Dichloropropane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
1,3-Dichlorobenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
1,3-Dichloropropane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
1,4-Dichlorobenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
2,2-Dichloropropane	ND		4.9		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
2-Butanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
2-Chlorotoluene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
2-Hexanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
4-Chlorotoluene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
Acetone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
Benzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
Bromobenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
Bromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
Bromodichloromethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
Bromoform	ND		4.9		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
Bromomethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
cis-1,2-Dichloroethene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
cis-1,3-Dichloropropane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
Carbon disulfide	ND		9.8		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
Carbon tetrachloride	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
Chlorobenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
Chloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
Chloroform	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
Chloromethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
Dibromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
Dibromomethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
Di-isopropyl ether (DIPE)	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
Ethanol	ND		250		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
Ethylbenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
Ethyl-t-butyl ether (ETBE)	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
Isopropylbenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
Methylene Chloride	ND		9.8		ug/Kg		09/10/21 10:00	09/10/21 13:02	1

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: SV1-20**  
**Date Collected: 08/30/21 09:13**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-4**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
Naphthalene	ND		9.8		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
n-Butylbenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
N-Propylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
o-Xylene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
m,p-Xylene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
p-Isopropyltoluene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
sec-Butylbenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
Styrene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
trans-1,2-Dichloroethene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
Tert-amyl-methyl ether (TAME)	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
tert-Butylbenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
Tetrachloroethene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
Toluene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
Trichloroethene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
Trichlorofluoromethane	ND		9.8		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
Vinyl acetate	ND		9.8		ug/Kg		09/10/21 10:00	09/10/21 13:02	1
Vinyl chloride	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 13:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>1,2-Dichloroethane-d4 (Surr)</i>	99		64 - 141	09/10/21 10:00	09/10/21 13:02	1
<i>4-Bromofluorobenzene (Surr)</i>	104		76 - 120	09/10/21 10:00	09/10/21 13:02	1
<i>Dibromofluoromethane (Surr)</i>	97		47 - 142	09/10/21 10:00	09/10/21 13:02	1
<i>Toluene-d8 (Surr)</i>	103		80 - 120	09/10/21 10:00	09/10/21 13:02	1

**Client Sample ID: SV1-25**  
**Date Collected: 08/30/21 09:29**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-5**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
1,1-Dichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
1,1-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
1,2-Dibromoethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
1,2-Dichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
1,2-Dichloropropane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
 Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: SV1-25**  
**Date Collected: 08/30/21 09:29**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-5**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
2,2-Dichloropropane	ND		5.1		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
2-Butanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
2-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
2-Hexanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
4-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Acetone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Benzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Bromobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Bromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Bromodichloromethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Bromoform	ND		5.1		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Bromomethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Carbon disulfide	ND		10		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Carbon tetrachloride	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Chlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Chloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Chloroform	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Chloromethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Dibromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Dibromomethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Ethanol	ND		250		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Ethylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Isopropylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Methylene Chloride	ND		10		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Naphthalene	ND		10		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
n-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
N-Propylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
o-Xylene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
m,p-Xylene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
p-Isopropyltoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
sec-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Styrene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
tert-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Tetrachloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Toluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Trichloroethene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
 Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: SV1-25**  
**Date Collected: 08/30/21 09:29**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-5**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Vinyl acetate	ND		10		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Vinyl chloride	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>1,2-Dichloroethane-d4 (Surr)</i>	102		64 - 141				09/10/21 10:00	09/10/21 13:24	1
<i>4-Bromofluorobenzene (Surr)</i>	105		76 - 120				09/10/21 10:00	09/10/21 13:24	1
<i>Dibromofluoromethane (Surr)</i>	100		47 - 142				09/10/21 10:00	09/10/21 13:24	1
<i>Toluene-d8 (Surr)</i>	104		80 - 120				09/10/21 10:00	09/10/21 13:24	1

**Client Sample ID: SV1-30**  
**Date Collected: 08/30/21 09:50**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-6**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
1,1-Dichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
1,1-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
1,2-Dibromoethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
1,2-Dichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
1,2-Dichloropropane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
1,3-Dichloropropane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
2,2-Dichloropropane	ND		5.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
2-Butanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
2-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
2-Hexanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
4-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
Acetone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
Benzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
Bromobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
Bromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
Bromodichloromethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
Bromoform	ND		5.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
Bromomethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: SV1-30**  
**Date Collected: 08/30/21 09:50**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-6**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		10		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
Carbon tetrachloride	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
Chlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
Chloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
Chloroform	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
Chloromethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
Dibromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
Dibromomethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
Ethanol	ND		250		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
Ethylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
Isopropylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
Methylene Chloride	ND		10		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
Naphthalene	ND		10		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
n-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
N-Propylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
o-Xylene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
m,p-Xylene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
p-Isopropyltoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
sec-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
Styrene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
tert-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
Tetrachloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
Toluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
Trichloroethene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
Trichlorofluoromethane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
Vinyl acetate	ND		10		ug/Kg		09/10/21 10:00	09/10/21 13:46	1
Vinyl chloride	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 13:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		64 - 141	09/10/21 10:00	09/10/21 13:46	1
4-Bromofluorobenzene (Surr)	105		76 - 120	09/10/21 10:00	09/10/21 13:46	1
Dibromofluoromethane (Surr)	99		47 - 142	09/10/21 10:00	09/10/21 13:46	1
Toluene-d8 (Surr)	102		80 - 120	09/10/21 10:00	09/10/21 13:46	1

**Client Sample ID: SV2-5**  
**Date Collected: 08/30/21 11:15**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-7**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
1,1,1-Trichloroethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.8		ug/Kg		09/10/21 10:00	09/10/21 14:08	1

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
 Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: SV2-5**  
**Date Collected: 08/30/21 11:15**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-7**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
1,1-Dichloroethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
1,1-Dichloroethene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
1,2-Dibromo-3-Chloropropane	ND		9.8		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
1,2-Dibromoethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
1,2-Dichlorobenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
1,2-Dichloroethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
1,2-Dichloropropane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
1,3-Dichlorobenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
1,3-Dichloropropane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
1,4-Dichlorobenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
2,2-Dichloropropane	ND		4.9		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
2-Butanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
2-Chlorotoluene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
2-Hexanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
4-Chlorotoluene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Acetone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Benzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Bromobenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Bromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Bromodichloromethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Bromoform	ND		4.9		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Bromomethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
cis-1,2-Dichloroethene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
cis-1,3-Dichloropropene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Carbon disulfide	ND		9.8		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Carbon tetrachloride	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Chlorobenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Chloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Chloroform	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Chloromethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Dibromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Dibromomethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Di-isopropyl ether (DIPE)	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Ethanol	ND		250		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Ethylbenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Ethyl-t-butyl ether (ETBE)	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Isopropylbenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Methylene Chloride	ND		9.8		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Naphthalene	ND		9.8		ug/Kg		09/10/21 10:00	09/10/21 14:08	1

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: SV2-5**  
**Date Collected: 08/30/21 11:15**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-7**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
N-Propylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
o-Xylene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
m,p-Xylene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
p-Isopropyltoluene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
sec-Butylbenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Styrene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
trans-1,2-Dichloroethene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Tert-amyl-methyl ether (TAME)	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
tert-Butylbenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Tetrachloroethene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Toluene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Trichloroethene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Trichlorofluoromethane	ND		9.8		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Vinyl acetate	ND		9.8		ug/Kg		09/10/21 10:00	09/10/21 14:08	1
Vinyl chloride	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 14:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>1,2-Dichloroethane-d4 (Surr)</i>	102		64 - 141	09/10/21 10:00	09/10/21 14:08	1
<i>4-Bromofluorobenzene (Surr)</i>	105		76 - 120	09/10/21 10:00	09/10/21 14:08	1
<i>Dibromofluoromethane (Surr)</i>	98		47 - 142	09/10/21 10:00	09/10/21 14:08	1
<i>Toluene-d8 (Surr)</i>	104		80 - 120	09/10/21 10:00	09/10/21 14:08	1

**Client Sample ID: SV2-10**  
**Date Collected: 08/30/21 11:17**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-8**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
1,1-Dichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
1,1-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
1,2-Dibromoethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
1,2-Dichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
1,2-Dichloropropane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
1,3-Dichloropropane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1

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# Client Sample Results

Client: Frey Environmental  
 Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: SV2-10**  
**Date Collected: 08/30/21 11:17**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-8**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		5.1		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
2-Butanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
2-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
2-Hexanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
4-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
Acetone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
Benzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
Bromobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
Bromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
Bromodichloromethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
Bromoform	ND		5.1		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
Bromomethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
Carbon disulfide	ND		10		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
Carbon tetrachloride	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
Chlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
Chloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
Chloroform	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
Chloromethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
Dibromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
Dibromomethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
Ethanol	ND		250		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
Ethylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
Isopropylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
Methylene Chloride	ND		10		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
Naphthalene	ND		10		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
n-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
N-Propylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
o-Xylene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
m,p-Xylene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
p-Isopropyltoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
sec-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
Styrene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
tert-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
Tetrachloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
Toluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
Trichloroethene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
Trichlorofluoromethane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
Vinyl acetate	ND		10		ug/Kg		09/10/21 10:00	09/10/21 14:31	1

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: SV2-10**  
**Date Collected: 08/30/21 11:17**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-8**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:31	1
<b>Surrogate</b>									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		64 - 141				09/10/21 10:00	09/10/21 14:31	1
4-Bromofluorobenzene (Surr)	106		76 - 120				09/10/21 10:00	09/10/21 14:31	1
Dibromofluoromethane (Surr)	96		47 - 142				09/10/21 10:00	09/10/21 14:31	1
Toluene-d8 (Surr)	103		80 - 120				09/10/21 10:00	09/10/21 14:31	1

**Client Sample ID: SV2-15**  
**Date Collected: 08/30/21 11:20**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-9**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
1,1-Dichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
1,1-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
1,2-Dibromoethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
1,2-Dichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
1,2-Dichloropropane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
1,3-Dichloropropane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
2,2-Dichloropropane	ND		5.1		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
2-Butanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
2-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
2-Hexanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
4-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
Acetone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
Benzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
Bromobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
Bromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
Bromodichloromethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
Bromoform	ND		5.1		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
Bromomethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
Carbon disulfide	ND		10		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
Carbon tetrachloride	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: SV2-15**  
**Date Collected: 08/30/21 11:20**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-9**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
Chloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
Chloroform	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
Chloromethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
Dibromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
Dibromomethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
Ethanol	ND		260		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
Ethylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
Isopropylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
Methylene Chloride	ND		10		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
Naphthalene	ND		10		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
n-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
N-Propylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
o-Xylene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
m,p-Xylene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
p-Isopropyltoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
sec-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
Styrene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
tert-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
Tetrachloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
Toluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
Trichloroethene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
Trichlorofluoromethane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
Vinyl acetate	ND		10		ug/Kg		09/10/21 10:00	09/10/21 14:53	1
Vinyl chloride	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 14:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		64 - 141	09/10/21 10:00	09/10/21 14:53	1
4-Bromofluorobenzene (Surr)	105		76 - 120	09/10/21 10:00	09/10/21 14:53	1
Dibromofluoromethane (Surr)	98		47 - 142	09/10/21 10:00	09/10/21 14:53	1
Toluene-d8 (Surr)	103		80 - 120	09/10/21 10:00	09/10/21 14:53	1

**Client Sample ID: SV2-20**  
**Date Collected: 08/30/21 11:25**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-10**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
1,1-Dichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
 Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: SV2-20**  
**Date Collected: 08/30/21 11:25**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-10**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
1,2-Dibromoethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
1,2-Dichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
1,2-Dichloropropane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
1,3-Dichloropropane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
2,2-Dichloropropane	ND		5.1		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
2-Butanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
2-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
2-Hexanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
4-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Acetone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Benzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Bromobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Bromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Bromodichloromethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Bromoform	ND		5.1		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Bromomethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
cis-1,3-Dichloropropane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Carbon disulfide	ND		10		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Carbon tetrachloride	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Chlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Chloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Chloroform	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Chloromethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Dibromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Dibromomethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Ethanol	ND		260		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Ethylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Isopropylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Methylene Chloride	ND		10		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Naphthalene	ND		10		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
n-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
N-Propylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: SV2-20**  
**Date Collected: 08/30/21 11:25**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-10**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
m,p-Xylene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
p-Isopropyltoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
sec-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Styrene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
tert-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Tetrachloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Toluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Trichloroethene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Trichlorofluoromethane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Vinyl acetate	ND		10		ug/Kg		09/10/21 10:00	09/10/21 15:15	1
Vinyl chloride	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>1,2-Dichloroethane-d4 (Surr)</i>	101		64 - 141	09/10/21 10:00	09/10/21 15:15	1
<i>4-Bromofluorobenzene (Surr)</i>	100		76 - 120	09/10/21 10:00	09/10/21 15:15	1
<i>Dibromofluoromethane (Surr)</i>	98		47 - 142	09/10/21 10:00	09/10/21 15:15	1
<i>Toluene-d8 (Surr)</i>	105		80 - 120	09/10/21 10:00	09/10/21 15:15	1

**Client Sample ID: SV2-25**  
**Date Collected: 08/30/21 11:42**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-11**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
1,1-Dichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
1,1-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
1,2-Dibromoethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
1,2-Dichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
1,2-Dichloropropane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
1,3-Dichloropropane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
2,2-Dichloropropane	ND		5.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
2-Butanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 15:37	1

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
 Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: SV2-25**  
**Date Collected: 08/30/21 11:42**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-11**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
2-Hexanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
4-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Acetone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Benzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Bromobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Bromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Bromodichloromethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Bromoform	ND		5.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Bromomethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Carbon disulfide	ND		10		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Carbon tetrachloride	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Chlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Chloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Chloroform	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Chloromethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Dibromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Dibromomethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Ethanol	ND		250		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Ethylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Isopropylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Methylene Chloride	ND		10		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Naphthalene	ND		10		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
n-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
N-Propylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
o-Xylene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
m,p-Xylene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
p-Isopropyltoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
sec-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Styrene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
tert-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Tetrachloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Toluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Trichloroethene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Trichlorofluoromethane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Vinyl acetate	ND		10		ug/Kg		09/10/21 10:00	09/10/21 15:37	1
Vinyl chloride	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 15:37	1

# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		64 - 141	09/10/21 10:00	09/10/21 15:37	1
4-Bromofluorobenzene (Surr)	103		76 - 120	09/10/21 10:00	09/10/21 15:37	1
Dibromofluoromethane (Surr)	98		47 - 142	09/10/21 10:00	09/10/21 15:37	1
Toluene-d8 (Surr)	105		80 - 120	09/10/21 10:00	09/10/21 15:37	1

**Client Sample ID: SV2-30**  
**Date Collected: 08/30/21 11:50**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-12**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
1,1,1-Trichloroethane	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.9		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
1,1,2-Trichloroethane	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
1,1-Dichloroethane	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
1,1-Dichloroethene	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
1,2-Dibromo-3-Chloropropane	ND		9.9		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
1,2-Dibromoethane	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
1,2-Dichlorobenzene	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
1,2-Dichloroethane	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
1,2-Dichloropropane	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
1,3-Dichlorobenzene	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
1,3-Dichloropropane	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
1,4-Dichlorobenzene	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
2,2-Dichloropropane	ND		5.0		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
2-Butanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
2-Chlorotoluene	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
2-Hexanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
4-Chlorotoluene	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
Acetone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
Benzene	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
Bromobenzene	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
Bromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
Bromodichloromethane	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
Bromoform	ND		5.0		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
Bromomethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
cis-1,2-Dichloroethene	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
cis-1,3-Dichloropropene	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
Carbon disulfide	ND		9.9		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
Carbon tetrachloride	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
Chlorobenzene	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
Chloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
Chloroform	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
Chloromethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
Dibromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:59	1

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: SV2-30**  
**Date Collected: 08/30/21 11:50**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-12**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
Di-isopropyl ether (DIPE)	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
Ethanol	ND		250		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
Ethylbenzene	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
Ethyl-t-butyl ether (ETBE)	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
Isopropylbenzene	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
Methylene Chloride	ND		9.9		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
Naphthalene	ND		9.9		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
n-Butylbenzene	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
N-Propylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
o-Xylene	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
m,p-Xylene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
p-Isopropyltoluene	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
sec-Butylbenzene	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
Styrene	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
trans-1,2-Dichloroethene	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
Tert-amyl-methyl ether (TAME)	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
tert-Butylbenzene	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
Tetrachloroethene	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
Toluene	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
Trichloroethene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
Trichlorofluoromethane	ND		9.9		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
Vinyl acetate	ND		9.9		ug/Kg		09/10/21 10:00	09/10/21 15:59	1
Vinyl chloride	ND		0.99		ug/Kg		09/10/21 10:00	09/10/21 15:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>1,2-Dichloroethane-d4 (Surr)</i>	102		64 - 141	09/10/21 10:00	09/10/21 15:59	1
<i>4-Bromofluorobenzene (Surr)</i>	104		76 - 120	09/10/21 10:00	09/10/21 15:59	1
<i>Dibromofluoromethane (Surr)</i>	99		47 - 142	09/10/21 10:00	09/10/21 15:59	1
<i>Toluene-d8 (Surr)</i>	103		80 - 120	09/10/21 10:00	09/10/21 15:59	1

**Client Sample ID: SV3-5**  
**Date Collected: 08/30/21 13:05**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-13**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
1,1-Dichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
1,1-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1

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# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: SV3-5**  
**Date Collected: 08/30/21 13:05**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-13**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
1,2-Dibromoethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
1,2-Dichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
1,2-Dichloropropane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
1,3-Dichloropropane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
2,2-Dichloropropane	ND		5.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
2-Butanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
2-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
2-Hexanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
4-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Acetone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Benzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Bromobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Bromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Bromodichloromethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Bromoform	ND		5.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Bromomethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Carbon disulfide	ND		10		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Carbon tetrachloride	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Chlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Chloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Chloroform	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Chloromethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Dibromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Dibromomethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Ethanol	ND		250		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Ethylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Isopropylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Methylene Chloride	ND		10		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Naphthalene	ND		10		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
n-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
N-Propylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
o-Xylene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
m,p-Xylene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
p-Isopropyltoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
sec-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Styrene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: SV3-5**  
**Date Collected: 08/30/21 13:05**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-13**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
tert-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Tetrachloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Toluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Trichloroethene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Trichlorofluoromethane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Vinyl acetate	ND		10		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Vinyl chloride	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		64 - 141				09/10/21 10:00	09/10/21 16:22	1
4-Bromofluorobenzene (Surr)	103		76 - 120				09/10/21 10:00	09/10/21 16:22	1
Dibromofluoromethane (Surr)	98		47 - 142				09/10/21 10:00	09/10/21 16:22	1
Toluene-d8 (Surr)	105		80 - 120				09/10/21 10:00	09/10/21 16:22	1

**Client Sample ID: SV3-10**  
**Date Collected: 08/30/21 13:07**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-14**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
1,1-Dichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
1,1-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
1,2-Dibromoethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
1,2-Dichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
1,2-Dichloropropane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
1,3-Dichloropropane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
2,2-Dichloropropane	ND		5.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
2-Butanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
2-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
2-Hexanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
4-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
Acetone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 16:44	1

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
 Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: SV3-10**  
**Date Collected: 08/30/21 13:07**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-14**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
Bromobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
Bromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
Bromodichloromethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
Bromoform	ND		5.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
Bromomethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
Carbon disulfide	ND		10		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
Carbon tetrachloride	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
Chlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
Chloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
Chloroform	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
Chloromethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
Dibromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
Dibromomethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
Ethanol	ND		250		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
Ethylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
Isopropylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
Methylene Chloride	ND		10		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
Naphthalene	ND		10		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
n-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
N-Propylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
o-Xylene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
m,p-Xylene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
p-Isopropyltoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
sec-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
Styrene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
tert-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
Tetrachloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
Toluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
Trichloroethene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
Trichlorofluoromethane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
Vinyl acetate	ND		10		ug/Kg		09/10/21 10:00	09/10/21 16:44	1
Vinyl chloride	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 16:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>1,2-Dichloroethane-d4 (Surr)</i>	99		64 - 141	09/10/21 10:00	09/10/21 16:44	1
<i>4-Bromofluorobenzene (Surr)</i>	104		76 - 120	09/10/21 10:00	09/10/21 16:44	1
<i>Dibromofluoromethane (Surr)</i>	96		47 - 142	09/10/21 10:00	09/10/21 16:44	1
<i>Toluene-d8 (Surr)</i>	105		80 - 120	09/10/21 10:00	09/10/21 16:44	1

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
 Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Client Sample ID: SV3-15**  
**Date Collected: 08/30/21 13:09**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-15**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
1,1-Dichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
1,1-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
1,2-Dibromoethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
1,2-Dichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
1,2-Dichloropropane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
1,3-Dichloropropane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
2,2-Dichloropropane	ND		5.1		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
2-Butanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
2-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
2-Hexanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
4-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
Acetone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
Benzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
Bromobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
Bromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
Bromodichloromethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
Bromoform	ND		5.1		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
Bromomethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
cis-1,3-Dichloropropane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
Carbon disulfide	ND		10		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
Carbon tetrachloride	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
Chlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
Chloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
Chloroform	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
Chloromethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
Dibromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
Dibromomethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
Ethanol	ND		250		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
Ethylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1

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# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: SV3-15**  
**Date Collected: 08/30/21 13:09**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-15**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
Methylene Chloride	ND		10		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
Naphthalene	ND		10		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
n-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
N-Propylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
o-Xylene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
m,p-Xylene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
p-Isopropyltoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
sec-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
Styrene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
tert-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
Tetrachloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
Toluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
Trichloroethene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
Trichlorofluoromethane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
Vinyl acetate	ND		10		ug/Kg		09/10/21 10:00	09/10/21 17:06	1
Vinyl chloride	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>1,2-Dichloroethane-d4 (Surr)</i>	99		64 - 141	09/10/21 10:00	09/10/21 17:06	1
<i>4-Bromofluorobenzene (Surr)</i>	104		76 - 120	09/10/21 10:00	09/10/21 17:06	1
<i>Dibromofluoromethane (Surr)</i>	96		47 - 142	09/10/21 10:00	09/10/21 17:06	1
<i>Toluene-d8 (Surr)</i>	102		80 - 120	09/10/21 10:00	09/10/21 17:06	1

**Client Sample ID: SV3-20**  
**Date Collected: 08/30/21 13:14**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-16**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
1,1-Dichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
1,1-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
1,2-Dibromoethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
1,2-Dichloroethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
1,2-Dichloropropane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
 Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: SV3-20**  
**Date Collected: 08/30/21 13:14**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-16**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
1,3-Dichloropropane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
2,2-Dichloropropane	ND		5.1		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
2-Butanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
2-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
2-Hexanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
4-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
Acetone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
Benzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
Bromobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
Bromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
Bromodichloromethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
Bromoform	ND		5.1		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
Bromomethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
Carbon disulfide	ND		10		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
Carbon tetrachloride	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
Chlorobenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
Chloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
Chloroform	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
Chloromethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
Dibromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
Dibromomethane	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
Ethanol	ND		250		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
Ethylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
Isopropylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
Methylene Chloride	ND		10		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
Naphthalene	ND		10		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
n-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
N-Propylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
o-Xylene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
m,p-Xylene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
p-Isopropyltoluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
sec-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
Styrene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
tert-Butylbenzene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
Tetrachloroethene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: SV3-20**  
**Date Collected: 08/30/21 13:14**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-16**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
Trichloroethene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
Trichlorofluoromethane	ND		10		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
Vinyl acetate	ND		10		ug/Kg		09/10/21 10:00	09/10/21 17:28	1
Vinyl chloride	ND		1.0		ug/Kg		09/10/21 10:00	09/10/21 17:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>1,2-Dichloroethane-d4 (Surr)</i>	99		64 - 141	09/10/21 10:00	09/10/21 17:28	1
<i>4-Bromofluorobenzene (Surr)</i>	103		76 - 120	09/10/21 10:00	09/10/21 17:28	1
<i>Dibromofluoromethane (Surr)</i>	95		47 - 142	09/10/21 10:00	09/10/21 17:28	1
<i>Toluene-d8 (Surr)</i>	104		80 - 120	09/10/21 10:00	09/10/21 17:28	1

**Client Sample ID: SV3-25**  
**Date Collected: 08/30/21 13:20**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-17**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
1,1-Dichloroethane	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
1,1-Dichloroethene	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
1,2-Dibromoethane	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
1,2-Dichloroethane	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
1,2-Dichloropropane	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
1,3-Dichloropropane	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
2,2-Dichloropropane	ND		5.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
2-Butanone	ND		20		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
2-Chlorotoluene	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
2-Hexanone	ND		20		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
4-Chlorotoluene	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Acetone	ND	*	20		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Benzene	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Bromobenzene	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Bromochloromethane	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Bromodichloromethane	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Bromoform	ND		5.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Bromomethane	ND		20		ug/Kg		09/13/21 14:03	09/13/21 15:23	1

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: SV3-25**  
**Date Collected: 08/30/21 13:20**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-17**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Carbon disulfide	ND		10		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Carbon tetrachloride	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Chlorobenzene	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Chloroethane	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Chloroform	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Chloromethane	ND		20		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Dibromochloromethane	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Dibromomethane	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Ethanol	ND		250		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Ethylbenzene	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Isopropylbenzene	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Methylene Chloride	ND		10		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Naphthalene	ND		10		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
n-Butylbenzene	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
N-Propylbenzene	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
o-Xylene	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
m,p-Xylene	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
p-Isopropyltoluene	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
sec-Butylbenzene	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Styrene	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
tert-Butylbenzene	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Tetrachloroethene	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Toluene	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Trichloroethene	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Trichlorofluoromethane	ND		10		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Vinyl acetate	ND		10		ug/Kg		09/13/21 14:03	09/13/21 15:23	1
Vinyl chloride	ND		1.0		ug/Kg		09/13/21 14:03	09/13/21 15:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>1,2-Dichloroethane-d4 (Surr)</i>	108		64 - 141	09/13/21 14:03	09/13/21 15:23	1
<i>4-Bromofluorobenzene (Surr)</i>	100		76 - 120	09/13/21 14:03	09/13/21 15:23	1
<i>Dibromofluoromethane (Surr)</i>	100		47 - 142	09/13/21 14:03	09/13/21 15:23	1
<i>Toluene-d8 (Surr)</i>	100		80 - 120	09/13/21 14:03	09/13/21 15:23	1

**Client Sample ID: SV3-30**  
**Date Collected: 08/30/21 13:27**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-18**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
1,1,1-Trichloroethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
 Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: SV3-30**  
**Date Collected: 08/30/21 13:27**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-18**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.8		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
1,1,2-Trichloroethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
1,1-Dichloroethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
1,1-Dichloroethene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
1,2-Dibromo-3-Chloropropane	ND		9.8		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
1,2-Dibromoethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
1,2-Dichlorobenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
1,2-Dichloroethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
1,2-Dichloropropane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
1,3-Dichlorobenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
1,3-Dichloropropane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
1,4-Dichlorobenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
2,2-Dichloropropane	ND		4.9		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
2-Butanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
2-Chlorotoluene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
2-Hexanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
4-Chlorotoluene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
Acetone	ND		20		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
Benzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
Bromobenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
Bromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
Bromodichloromethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
Bromoform	ND		4.9		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
Bromomethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
cis-1,2-Dichloroethene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
cis-1,3-Dichloropropane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
Carbon disulfide	ND		9.8		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
Carbon tetrachloride	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
Chlorobenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
Chloroethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
Chloroform	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
Chloromethane	ND		20		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
Dibromochloromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
Dibromomethane	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
Di-isopropyl ether (DIPE)	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
Ethanol	ND		250		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
Ethylbenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
Ethyl-t-butyl ether (ETBE)	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
Isopropylbenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
Methylene Chloride	ND		9.8		ug/Kg		09/10/21 10:00	09/10/21 18:13	1

# Client Sample Results

Client: Frey Environmental  
 Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: SV3-30**  
**Date Collected: 08/30/21 13:27**  
**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-18**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
Naphthalene	ND		9.8		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
n-Butylbenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
N-Propylbenzene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
o-Xylene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
m,p-Xylene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
p-Isopropyltoluene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
sec-Butylbenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
Styrene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
trans-1,2-Dichloroethene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
Tert-amyl-methyl ether (TAME)	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
tert-Butylbenzene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
Tetrachloroethene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
Toluene	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
Trichloroethene	ND		2.0		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
Trichlorofluoromethane	ND		9.8		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
Vinyl acetate	ND		9.8		ug/Kg		09/10/21 10:00	09/10/21 18:13	1
Vinyl chloride	ND		0.98		ug/Kg		09/10/21 10:00	09/10/21 18:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>1,2-Dichloroethane-d4 (Surr)</i>	101		64 - 141	09/10/21 10:00	09/10/21 18:13	1
<i>4-Bromofluorobenzene (Surr)</i>	104		76 - 120	09/10/21 10:00	09/10/21 18:13	1
<i>Dibromofluoromethane (Surr)</i>	96		47 - 142	09/10/21 10:00	09/10/21 18:13	1
<i>Toluene-d8 (Surr)</i>	104		80 - 120	09/10/21 10:00	09/10/21 18:13	1

# Surrogate Summary

Client: Frey Environmental  
 Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

**Matrix: Solid**

**Prep Type: Total/NA**

**Percent Surrogate Recovery (Acceptance Limits)**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (64-141)	BFB (76-120)	DBFM (47-142)	TOL (80-120)
570-68691-1	SV1-5	103	103	99	104
570-68691-1 MS	SV1-5	101	105	101	104
570-68691-1 MSD	SV1-5	101	104	102	105
570-68691-2	SV1-10	101	105	97	102
570-68691-3	SV1-15	100	105	98	104
570-68691-4	SV1-20	99	104	97	103
570-68691-5	SV1-25	102	105	100	104
570-68691-6	SV1-30	100	105	99	102
570-68691-7	SV2-5	102	105	98	104
570-68691-8	SV2-10	98	106	96	103
570-68691-9	SV2-15	99	105	98	103
570-68691-10	SV2-20	101	100	98	105
570-68691-11	SV2-25	101	103	98	105
570-68691-12	SV2-30	102	104	99	103
570-68691-13	SV3-5	103	103	98	105
570-68691-14	SV3-10	99	104	96	105
570-68691-15	SV3-15	99	104	96	102
570-68691-16	SV3-20	99	103	95	104
570-68691-17	SV3-25	108	100	100	100
570-68691-18	SV3-30	101	104	96	104
570-68766-A-20-F MS	Matrix Spike	105	97	102	101
570-68766-A-20-G MSD	Matrix Spike Duplicate	105	95	103	102
LCS 570-178137/1-A	Lab Control Sample	98	105	97	104
LCS 570-178599/1-A	Lab Control Sample	101	98	100	100
LCSD 570-178137/2-A	Lab Control Sample Dup	98	102	99	104
LCSD 570-178599/2-A	Lab Control Sample Dup	102	96	100	99
MB 570-178137/3-A	Method Blank	100	105	97	104
MB 570-178599/3-A	Method Blank	100	98	98	100

**Surrogate Legend**

- DCA = 1,2-Dichloroethane-d4 (Surr)
- BFB = 4-Bromofluorobenzene (Surr)
- DBFM = Dibromofluoromethane (Surr)
- TOL = Toluene-d8 (Surr)

# QC Sample Results

Client: Frey Environmental  
 Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 570-178137/3-A**  
**Matrix: Solid**  
**Analysis Batch: 178108**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 178137**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
1,1-Dichloroethane	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
1,1-Dichloroethene	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
1,2-Dibromoethane	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
1,2-Dichloroethane	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
1,2-Dichloropropane	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
1,3-Dichloropropane	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
2,2-Dichloropropane	ND		5.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
2-Butanone	ND		20		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
2-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
2-Hexanone	ND		20		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
4-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
Acetone	ND		20		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
Benzene	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
Bromobenzene	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
Bromochloromethane	ND		2.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
Bromodichloromethane	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
Bromoform	ND		5.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
Bromomethane	ND		20		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
Carbon disulfide	ND		10		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
Carbon tetrachloride	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
Chlorobenzene	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
Chloroethane	ND		2.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
Chloroform	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
Chloromethane	ND		20		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
Dibromochloromethane	ND		2.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
Dibromomethane	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
Ethanol	ND		250		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
Ethylbenzene	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1

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# QC Sample Results

Client: Frey Environmental  
 Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 570-178137/3-A**  
**Matrix: Solid**  
**Analysis Batch: 178108**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 178137**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
Isopropylbenzene	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
Methylene Chloride	ND		10		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
Naphthalene	ND		10		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
n-Butylbenzene	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
N-Propylbenzene	ND		2.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
o-Xylene	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
m,p-Xylene	ND		2.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
p-Isopropyltoluene	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
sec-Butylbenzene	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
Styrene	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
tert-Butylbenzene	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
Tetrachloroethene	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
Toluene	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
Trichloroethene	ND		2.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
Trichlorofluoromethane	ND		10		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
Vinyl acetate	ND		10		ug/Kg		09/10/21 08:23	09/10/21 10:04	1
Vinyl chloride	ND		1.0		ug/Kg		09/10/21 08:23	09/10/21 10:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		64 - 141	09/10/21 08:23	09/10/21 10:04	1
4-Bromofluorobenzene (Surr)	105		76 - 120	09/10/21 08:23	09/10/21 10:04	1
Dibromofluoromethane (Surr)	97		47 - 142	09/10/21 08:23	09/10/21 10:04	1
Toluene-d8 (Surr)	104		80 - 120	09/10/21 08:23	09/10/21 10:04	1

**Lab Sample ID: LCS 570-178137/1-A**  
**Matrix: Solid**  
**Analysis Batch: 178108**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 178137**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,1-Dichloroethene	50.3	46.75		ug/Kg		93	68 - 120
1,2-Dibromoethane	50.3	52.08		ug/Kg		104	80 - 120
1,2-Dichlorobenzene	50.3	51.06		ug/Kg		102	80 - 120
1,2-Dichloroethane	50.3	51.85		ug/Kg		103	76 - 126
Benzene	50.3	48.86		ug/Kg		97	76 - 120
Carbon tetrachloride	50.3	38.62		ug/Kg		77	68 - 132
Chlorobenzene	50.3	51.01		ug/Kg		101	80 - 120
Di-isopropyl ether (DIPE)	50.3	52.71		ug/Kg		105	69 - 123
Ethanol	50.3	504.6		ug/Kg		100	46 - 152
Ethylbenzene	50.3	49.01		ug/Kg		97	80 - 120
Ethyl-t-butyl ether (ETBE)	50.3	49.96		ug/Kg		99	69 - 121
Methyl-t-Butyl Ether (MTBE)	50.3	47.95		ug/Kg		95	70 - 120
o-Xylene	50.3	47.70		ug/Kg		95	76 - 125

# QC Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 570-178137/1-A**  
**Matrix: Solid**  
**Analysis Batch: 178108**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 178137**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m,p-Xylene	101	96.94		ug/Kg		96	75 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		64 - 141
4-Bromofluorobenzene (Surr)	105		76 - 120
Dibromofluoromethane (Surr)	97		47 - 142
Toluene-d8 (Surr)	104		80 - 120

**Lab Sample ID: LCSD 570-178137/2-A**  
**Matrix: Solid**  
**Analysis Batch: 178108**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 178137**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,1-Dichloroethene	50.4	47.69		ug/Kg		95	68 - 120	2	20
1,2-Dibromoethane	50.4	52.89		ug/Kg		105	80 - 120	2	20
1,2-Dichlorobenzene	50.4	52.64		ug/Kg		104	80 - 120	3	20
1,2-Dichloroethane	50.4	52.34		ug/Kg		104	76 - 126	1	20
Benzene	50.4	49.68		ug/Kg		99	76 - 120	2	20
Carbon tetrachloride	50.4	40.88		ug/Kg		81	68 - 132	6	20
Chlorobenzene	50.4	51.91		ug/Kg		103	80 - 120	2	20
Di-isopropyl ether (DIPE)	50.4	54.54		ug/Kg		108	69 - 123	3	20
Ethanol	504	578.7		ug/Kg		115	46 - 152	14	30
Ethylbenzene	50.4	49.72		ug/Kg		99	80 - 120	1	20
Ethyl-t-butyl ether (ETBE)	50.4	51.99		ug/Kg		103	69 - 121	4	20
Methyl-t-Butyl Ether (MTBE)	50.4	50.55		ug/Kg		100	70 - 120	5	20
o-Xylene	50.4	48.27		ug/Kg		96	76 - 125	1	20
m,p-Xylene	101	97.95		ug/Kg		97	75 - 122	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		64 - 141
4-Bromofluorobenzene (Surr)	102		76 - 120
Dibromofluoromethane (Surr)	99		47 - 142
Toluene-d8 (Surr)	104		80 - 120

**Lab Sample ID: 570-68691-1 MS**  
**Matrix: Solid**  
**Analysis Batch: 178108**

**Client Sample ID: SV1-5**  
**Prep Type: Total/NA**  
**Prep Batch: 178137**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	ND		49.7	43.98		ug/Kg		88	60 - 125
1,2-Dibromoethane	ND		49.7	47.21		ug/Kg		95	65 - 125
1,2-Dichlorobenzene	ND		49.7	44.91		ug/Kg		90	47 - 130
1,2-Dichloroethane	ND		49.7	46.69		ug/Kg		94	66 - 127
Benzene	ND		49.7	45.14		ug/Kg		91	70 - 125
Carbon tetrachloride	ND		49.7	37.81		ug/Kg		76	60 - 130
Chlorobenzene	ND		49.7	46.62		ug/Kg		94	65 - 125
Di-isopropyl ether (DIPE)	ND		49.7	49.68		ug/Kg		100	62 - 125
Ethanol	ND		497	442.0		ug/Kg		89	21 - 168

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# QC Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 570-68691-1 MS**  
**Matrix: Solid**  
**Analysis Batch: 178108**

**Client Sample ID: SV1-5**  
**Prep Type: Total/NA**  
**Prep Batch: 178137**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Ethylbenzene	ND		49.7	45.53		ug/Kg		92		64 - 125
Ethyl-t-butyl ether (ETBE)	ND		49.7	46.90		ug/Kg		94		61 - 125
Methyl-t-Butyl Ether (MTBE)	ND		49.7	45.30		ug/Kg		91		61 - 125
o-Xylene	ND		49.7	44.17		ug/Kg		89		59 - 128
m,p-Xylene	ND		99.4	88.48		ug/Kg		89		60 - 125

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	101		64 - 141
4-Bromofluorobenzene (Surr)	105		76 - 120
Dibromofluoromethane (Surr)	101		47 - 142
Toluene-d8 (Surr)	104		80 - 120

**Lab Sample ID: 570-68691-1 MSD**  
**Matrix: Solid**  
**Analysis Batch: 178108**

**Client Sample ID: SV1-5**  
**Prep Type: Total/NA**  
**Prep Batch: 178137**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
1,1-Dichloroethene	ND		49.4	40.45		ug/Kg		82		60 - 125	8	20
1,2-Dibromoethane	ND		49.4	45.90		ug/Kg		93		65 - 125	3	21
1,2-Dichlorobenzene	ND		49.4	41.97		ug/Kg		85		47 - 130	7	29
1,2-Dichloroethane	ND		49.4	46.35		ug/Kg		94		66 - 127	1	20
Benzene	ND		49.4	43.91		ug/Kg		89		70 - 125	3	20
Carbon tetrachloride	ND		49.4	35.41		ug/Kg		72		60 - 130	7	20
Chlorobenzene	ND		49.4	44.16		ug/Kg		89		65 - 125	5	22
Di-isopropyl ether (DIPE)	ND		49.4	47.01		ug/Kg		95		62 - 125	6	20
Ethanol	ND		494	462.3		ug/Kg		94		21 - 168	4	40
Ethylbenzene	ND		49.4	42.64		ug/Kg		86		64 - 125	7	22
Ethyl-t-butyl ether (ETBE)	ND		49.4	44.82		ug/Kg		91		61 - 125	5	20
Methyl-t-Butyl Ether (MTBE)	ND		49.4	43.88		ug/Kg		89		61 - 125	3	20
o-Xylene	ND		49.4	41.60		ug/Kg		84		59 - 128	6	24
m,p-Xylene	ND		98.8	84.38		ug/Kg		85		60 - 125	5	24

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	101		64 - 141
4-Bromofluorobenzene (Surr)	104		76 - 120
Dibromofluoromethane (Surr)	102		47 - 142
Toluene-d8 (Surr)	105		80 - 120

**Lab Sample ID: MB 570-178599/3-A**  
**Matrix: Solid**  
**Analysis Batch: 178574**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 178599**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
	Result	Qualifier								
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12		1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12		1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		09/13/21 08:25	09/13/21 10:12		1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12		1

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# QC Sample Results

Client: Frey Environmental  
 Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 570-178599/3-A**  
**Matrix: Solid**  
**Analysis Batch: 178574**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 178599**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
	Result	Qualifier							
1,1-Dichloroethane	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
1,1-Dichloroethene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
1,2-Dibromoethane	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
1,2-Dichloroethane	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
1,2-Dichloropropane	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
1,3-Dichloropropane	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
2,2-Dichloropropane	ND		5.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
2-Butanone	ND		20		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
2-Chlorotoluene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
2-Hexanone	ND		20		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
4-Chlorotoluene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Acetone	ND		20		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Benzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Bromobenzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Bromochloromethane	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Bromodichloromethane	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Bromoform	ND		5.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Bromomethane	ND		20		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Carbon disulfide	ND		10		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Carbon tetrachloride	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Chlorobenzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Chloroethane	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Chloroform	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Chloromethane	ND		20		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Dibromochloromethane	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Dibromomethane	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Ethanol	ND		250		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Ethylbenzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Isopropylbenzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Methylene Chloride	ND		10		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Naphthalene	ND		10		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
n-Butylbenzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1

Eurofins Calscience LLC

# QC Sample Results

Client: Frey Environmental  
 Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 570-178599/3-A**  
**Matrix: Solid**  
**Analysis Batch: 178574**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 178599**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
N-Propylbenzene	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
o-Xylene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
m,p-Xylene	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
p-Isopropyltoluene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
sec-Butylbenzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Styrene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
tert-Butylbenzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Tetrachloroethene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Toluene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Trichloroethene	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Trichlorofluoromethane	ND		10		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Vinyl acetate	ND		10		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Vinyl chloride	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	100		64 - 141	09/13/21 08:25	09/13/21 10:12	1
4-Bromofluorobenzene (Surr)	98		76 - 120	09/13/21 08:25	09/13/21 10:12	1
Dibromofluoromethane (Surr)	98		47 - 142	09/13/21 08:25	09/13/21 10:12	1
Toluene-d8 (Surr)	100		80 - 120	09/13/21 08:25	09/13/21 10:12	1

**Lab Sample ID: LCS 570-178599/1-A**  
**Matrix: Solid**  
**Analysis Batch: 178574**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 178599**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,2-Dibromoethane	50.1	51.54		ug/Kg		103	80 - 120
1,2-Dichlorobenzene	50.1	53.03		ug/Kg		106	80 - 120
1,2-Dichloroethane	50.1	50.71		ug/Kg		101	76 - 126
Benzene	50.1	51.62		ug/Kg		103	76 - 120
Carbon tetrachloride	50.1	49.75		ug/Kg		99	68 - 132
Chlorobenzene	50.1	51.84		ug/Kg		103	80 - 120
Di-isopropyl ether (DIPE)	50.1	51.64		ug/Kg		103	69 - 123
Ethanol	50.1	597.9		ug/Kg		119	46 - 152
Ethylbenzene	50.1	50.41		ug/Kg		101	80 - 120
Ethyl-t-butyl ether (ETBE)	50.1	53.61		ug/Kg		107	69 - 121
Methyl-t-Butyl Ether (MTBE)	50.1	48.66		ug/Kg		97	70 - 120
o-Xylene	50.1	51.05		ug/Kg		102	76 - 125
m,p-Xylene	100	102.4		ug/Kg		102	75 - 122

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	101		64 - 141
4-Bromofluorobenzene (Surr)	98		76 - 120
Dibromofluoromethane (Surr)	100		47 - 142

# QC Sample Results

Client: Frey Environmental  
 Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 570-178599/1-A**  
**Matrix: Solid**  
**Analysis Batch: 178574**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 178599**

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	100		80 - 120

**Lab Sample ID: LCSD 570-178599/2-A**  
**Matrix: Solid**  
**Analysis Batch: 178574**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 178599**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
1,1-Dichloroethene	51.0	52.99		ug/Kg		104	68 - 120	4	20	
1,2-Dibromoethane	51.0	50.70		ug/Kg		99	80 - 120	2	20	
1,2-Dichlorobenzene	51.0	53.36		ug/Kg		105	80 - 120	1	20	
1,2-Dichloroethane	51.0	50.22		ug/Kg		98	76 - 126	1	20	
Benzene	51.0	50.32		ug/Kg		99	76 - 120	3	20	
Carbon tetrachloride	51.0	48.09		ug/Kg		94	68 - 132	3	20	
Chlorobenzene	51.0	50.91		ug/Kg		100	80 - 120	2	20	
Di-isopropyl ether (DIPE)	51.0	50.95		ug/Kg		100	69 - 123	1	20	
Ethanol	510	663.0		ug/Kg		130	46 - 152	10	30	
Ethylbenzene	51.0	49.93		ug/Kg		98	80 - 120	1	20	
Ethyl-t-butyl ether (ETBE)	51.0	53.67		ug/Kg		105	69 - 121	0	20	
Methyl-t-Butyl Ether (MTBE)	51.0	49.54		ug/Kg		97	70 - 120	2	20	
o-Xylene	51.0	49.84		ug/Kg		98	76 - 125	2	20	
m,p-Xylene	102	99.94		ug/Kg		98	75 - 122	2	20	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	102		64 - 141
4-Bromofluorobenzene (Surr)	96		76 - 120
Dibromofluoromethane (Surr)	100		47 - 142
Toluene-d8 (Surr)	99		80 - 120

# QC Association Summary

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## GC/MS VOA

### Analysis Batch: 178108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-68691-1	SV1-5	Total/NA	Solid	8260B	178137
570-68691-2	SV1-10	Total/NA	Solid	8260B	178137
570-68691-3	SV1-15	Total/NA	Solid	8260B	178137
570-68691-4	SV1-20	Total/NA	Solid	8260B	178137
570-68691-5	SV1-25	Total/NA	Solid	8260B	178137
570-68691-6	SV1-30	Total/NA	Solid	8260B	178137
570-68691-7	SV2-5	Total/NA	Solid	8260B	178137
570-68691-8	SV2-10	Total/NA	Solid	8260B	178137
570-68691-9	SV2-15	Total/NA	Solid	8260B	178137
570-68691-10	SV2-20	Total/NA	Solid	8260B	178137
570-68691-11	SV2-25	Total/NA	Solid	8260B	178137
570-68691-12	SV2-30	Total/NA	Solid	8260B	178137
570-68691-13	SV3-5	Total/NA	Solid	8260B	178137
570-68691-14	SV3-10	Total/NA	Solid	8260B	178137
570-68691-15	SV3-15	Total/NA	Solid	8260B	178137
570-68691-16	SV3-20	Total/NA	Solid	8260B	178137
570-68691-18	SV3-30	Total/NA	Solid	8260B	178137
MB 570-178137/3-A	Method Blank	Total/NA	Solid	8260B	178137
LCS 570-178137/1-A	Lab Control Sample	Total/NA	Solid	8260B	178137
LCSD 570-178137/2-A	Lab Control Sample Dup	Total/NA	Solid	8260B	178137
570-68691-1 MS	SV1-5	Total/NA	Solid	8260B	178137
570-68691-1 MSD	SV1-5	Total/NA	Solid	8260B	178137

### Prep Batch: 178137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-68691-1	SV1-5	Total/NA	Solid	5030C	
570-68691-2	SV1-10	Total/NA	Solid	5030C	
570-68691-3	SV1-15	Total/NA	Solid	5030C	
570-68691-4	SV1-20	Total/NA	Solid	5030C	
570-68691-5	SV1-25	Total/NA	Solid	5030C	
570-68691-6	SV1-30	Total/NA	Solid	5030C	
570-68691-7	SV2-5	Total/NA	Solid	5030C	
570-68691-8	SV2-10	Total/NA	Solid	5030C	
570-68691-9	SV2-15	Total/NA	Solid	5030C	
570-68691-10	SV2-20	Total/NA	Solid	5030C	
570-68691-11	SV2-25	Total/NA	Solid	5030C	
570-68691-12	SV2-30	Total/NA	Solid	5030C	
570-68691-13	SV3-5	Total/NA	Solid	5030C	
570-68691-14	SV3-10	Total/NA	Solid	5030C	
570-68691-15	SV3-15	Total/NA	Solid	5030C	
570-68691-16	SV3-20	Total/NA	Solid	5030C	
570-68691-18	SV3-30	Total/NA	Solid	5030C	
MB 570-178137/3-A	Method Blank	Total/NA	Solid	5030C	
LCS 570-178137/1-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 570-178137/2-A	Lab Control Sample Dup	Total/NA	Solid	5030C	
570-68691-1 MS	SV1-5	Total/NA	Solid	5030C	
570-68691-1 MSD	SV1-5	Total/NA	Solid	5030C	

### Analysis Batch: 178574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-68691-17	SV3-25	Total/NA	Solid	8260B	178599

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# QC Association Summary

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## GC/MS VOA (Continued)

### Analysis Batch: 178574 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-178599/3-A	Method Blank	Total/NA	Solid	8260B	178599
LCS 570-178599/1-A	Lab Control Sample	Total/NA	Solid	8260B	178599
LCSD 570-178599/2-A	Lab Control Sample Dup	Total/NA	Solid	8260B	178599

### Prep Batch: 178599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-68691-17	SV3-25	Total/NA	Solid	5030C	
MB 570-178599/3-A	Method Blank	Total/NA	Solid	5030C	
LCS 570-178599/1-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 570-178599/2-A	Lab Control Sample Dup	Total/NA	Solid	5030C	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

# Lab Chronicle

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Client Sample ID: SV1-5

Lab Sample ID: 570-68691-1

Date Collected: 08/30/21 09:05

Matrix: Solid

Date Received: 08/30/21 15:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			4.93 g	5 mL	178137	09/10/21 10:00	C5SC	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	178108	09/10/21 10:49	U4JL	ECL 2

Instrument ID: GCMSQQ

## Client Sample ID: SV1-10

Lab Sample ID: 570-68691-2

Date Collected: 08/30/21 09:07

Matrix: Solid

Date Received: 08/30/21 15:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.12 g	5 mL	178137	09/10/21 10:00	C5SC	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	178108	09/10/21 12:17	U4JL	ECL 2

Instrument ID: GCMSQQ

## Client Sample ID: SV1-15

Lab Sample ID: 570-68691-3

Date Collected: 08/30/21 09:10

Matrix: Solid

Date Received: 08/30/21 15:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			4.89 g	5 mL	178137	09/10/21 10:00	C5SC	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	178108	09/10/21 12:40	U4JL	ECL 2

Instrument ID: GCMSQQ

## Client Sample ID: SV1-20

Lab Sample ID: 570-68691-4

Date Collected: 08/30/21 09:13

Matrix: Solid

Date Received: 08/30/21 15:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.09 g	5 mL	178137	09/10/21 10:00	C5SC	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	178108	09/10/21 13:02	U4JL	ECL 2

Instrument ID: GCMSQQ

## Client Sample ID: SV1-25

Lab Sample ID: 570-68691-5

Date Collected: 08/30/21 09:29

Matrix: Solid

Date Received: 08/30/21 15:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			4.95 g	5 mL	178137	09/10/21 10:00	C5SC	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	178108	09/10/21 13:24	U4JL	ECL 2

Instrument ID: GCMSQQ

# Lab Chronicle

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Client Sample ID: SV1-30

Date Collected: 08/30/21 09:50

Date Received: 08/30/21 15:48

## Lab Sample ID: 570-68691-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			4.97 g	5 mL	178137	09/10/21 10:00	C5SC	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	178108	09/10/21 13:46	U4JL	ECL 2

Instrument ID: GCMSQQ

## Client Sample ID: SV2-5

Date Collected: 08/30/21 11:15

Date Received: 08/30/21 15:48

## Lab Sample ID: 570-68691-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.08 g	5 mL	178137	09/10/21 10:00	C5SC	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	178108	09/10/21 14:08	U4JL	ECL 2

Instrument ID: GCMSQQ

## Client Sample ID: SV2-10

Date Collected: 08/30/21 11:17

Date Received: 08/30/21 15:48

## Lab Sample ID: 570-68691-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			4.92 g	5 mL	178137	09/10/21 10:00	C5SC	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	178108	09/10/21 14:31	U4JL	ECL 2

Instrument ID: GCMSQQ

## Client Sample ID: SV2-15

Date Collected: 08/30/21 11:20

Date Received: 08/30/21 15:48

## Lab Sample ID: 570-68691-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			4.90 g	5 mL	178137	09/10/21 10:00	C5SC	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	178108	09/10/21 14:53	U4JL	ECL 2

Instrument ID: GCMSQQ

## Client Sample ID: SV2-20

Date Collected: 08/30/21 11:25

Date Received: 08/30/21 15:48

## Lab Sample ID: 570-68691-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			4.89 g	5 mL	178137	09/10/21 10:00	C5SC	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	178108	09/10/21 15:15	U4JL	ECL 2

Instrument ID: GCMSQQ

# Lab Chronicle

Client: Frey Environmental  
 Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

**Client Sample ID: SV2-25**

**Date Collected: 08/30/21 11:42**

**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-11**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			4.96 g	5 mL	178137	09/10/21 10:00	C5SC	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	178108	09/10/21 15:37	U4JL	ECL 2
Instrument ID: GCMSQQ										

**Client Sample ID: SV2-30**

**Date Collected: 08/30/21 11:50**

**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-12**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.05 g	5 mL	178137	09/10/21 10:00	C5SC	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	178108	09/10/21 15:59	U4JL	ECL 2
Instrument ID: GCMSQQ										

**Client Sample ID: SV3-5**

**Date Collected: 08/30/21 13:05**

**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-13**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			4.99 g	5 mL	178137	09/10/21 10:00	C5SC	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	178108	09/10/21 16:22	U4JL	ECL 2
Instrument ID: GCMSQQ										

**Client Sample ID: SV3-10**

**Date Collected: 08/30/21 13:07**

**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-14**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.02 g	5 mL	178137	09/10/21 10:00	C5SC	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	178108	09/10/21 16:44	U4JL	ECL 2
Instrument ID: GCMSQQ										

**Client Sample ID: SV3-15**

**Date Collected: 08/30/21 13:09**

**Date Received: 08/30/21 15:48**

**Lab Sample ID: 570-68691-15**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			4.93 g	5 mL	178137	09/10/21 10:00	C5SC	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	178108	09/10/21 17:06	U4JL	ECL 2
Instrument ID: GCMSQQ										

# Lab Chronicle

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

**Client Sample ID: SV3-20**

**Lab Sample ID: 570-68691-16**

**Date Collected: 08/30/21 13:14**

**Matrix: Solid**

**Date Received: 08/30/21 15:48**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			4.95 g	5 mL	178137	09/10/21 10:00	C5SC	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	178108	09/10/21 17:28	U4JL	ECL 2

Instrument ID: GCMSQQ

**Client Sample ID: SV3-25**

**Lab Sample ID: 570-68691-17**

**Date Collected: 08/30/21 13:20**

**Matrix: Solid**

**Date Received: 08/30/21 15:48**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			4.97 g	5 mL	178599	09/13/21 14:03	C5SC	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	178574	09/13/21 15:23	UJHB	ECL 2

Instrument ID: GCMSLL

**Client Sample ID: SV3-30**

**Lab Sample ID: 570-68691-18**

**Date Collected: 08/30/21 13:27**

**Matrix: Solid**

**Date Received: 08/30/21 15:48**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.09 g	5 mL	178137	09/10/21 10:00	C5SC	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	178108	09/10/21 18:13	U4JL	ECL 2

Instrument ID: GCMSQQ

## Laboratory References:

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

# Accreditation/Certification Summary

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

## Laboratory: Eurofins Calscience LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2944	09-30-21

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# Method Summary

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	ECL 2
5030C	Purge and Trap	SW846	ECL 2

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494



# Sample Summary

Client: Frey Environmental  
Project/Site: 777 Orangethorpe Ave

Job ID: 570-68691-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-68691-1	SV1-5	Solid	08/30/21 09:05	08/30/21 15:48
570-68691-2	SV1-10	Solid	08/30/21 09:07	08/30/21 15:48
570-68691-3	SV1-15	Solid	08/30/21 09:10	08/30/21 15:48
570-68691-4	SV1-20	Solid	08/30/21 09:13	08/30/21 15:48
570-68691-5	SV1-25	Solid	08/30/21 09:29	08/30/21 15:48
570-68691-6	SV1-30	Solid	08/30/21 09:50	08/30/21 15:48
570-68691-7	SV2-5	Solid	08/30/21 11:15	08/30/21 15:48
570-68691-8	SV2-10	Solid	08/30/21 11:17	08/30/21 15:48
570-68691-9	SV2-15	Solid	08/30/21 11:20	08/30/21 15:48
570-68691-10	SV2-20	Solid	08/30/21 11:25	08/30/21 15:48
570-68691-11	SV2-25	Solid	08/30/21 11:42	08/30/21 15:48
570-68691-12	SV2-30	Solid	08/30/21 11:50	08/30/21 15:48
570-68691-13	SV3-5	Solid	08/30/21 13:05	08/30/21 15:48
570-68691-14	SV3-10	Solid	08/30/21 13:07	08/30/21 15:48
570-68691-15	SV3-15	Solid	08/30/21 13:09	08/30/21 15:48
570-68691-16	SV3-20	Solid	08/30/21 13:14	08/30/21 15:48
570-68691-17	SV3-25	Solid	08/30/21 13:20	08/30/21 15:48
570-68691-18	SV3-30	Solid	08/30/21 13:27	08/30/21 15:48



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**Nguyen, Tina**

---

**From:** Deanna Hoppe <DeannaHoppe@freyinc.com>  
**Sent:** Thursday, September 9, 2021 3:45 PM  
**To:** Nguyen, Tina  
**Subject:** Re: Eurofins Calscience report and EDD files from 570-68691-1 777 Orangethorpe Ave

EXTERNAL EMAIL\*

Hello Tina,

Could we also have the following samples analyzed for the full suite of VOCs before the holding window expires:

SV1-5  
SV1-10  
SV1-15  
SV1-20  
SV1-25  
SV1-30

SV2-5  
SV2-10  
SV2-15  
SV2-20  
SV2-25  
SV2-30

SV3-5  
SV3-10  
SV3-15  
SV3-20  
SV3-25  
SV3-30

Thank you!

Sincerely,

Deanna Hoppe  
Senior Staff Geologist

***FREY Environmental, Inc.***  
[www.freyinc.com](http://www.freyinc.com)  
2817-A Lafayette Avenue







Calscience

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494  
For counter service / sample drop off information, contact us26\_sales@eurofinsus.com or call us.

68691

CHAIN-OF-CUSTODY RECORD

Date 8/30/21  
Page 3 of 3

WO NO. / LAB USE ONLY

LABORATORY CLIENT: <b>FREY ENVIRONMENTAL, INC.</b>		CLIENT PROJECT NAME / NO. <b>777 ORANGETHORPE</b>		P.O. NO. <b>1121-01</b>		
ADDRESS: <b>2817 A LAFAYETTE AVE</b>		PROJECT CONTACT: <b>DEANNA HOPPE</b>		LAB CONTACT OR QUOTE NO.		
CITY: <b>NEWPORT BEACH</b> STATE: <b>CA</b> ZIP: <b>92663</b>		GLOBAL ID:		LOG CODE:		
TEL: <b>(949) 722-1645</b> E-MAIL: <b>deanna.hoppe@freyinc.com</b>		SAMPLER(S): (PRINT) <b>M. PAMH</b>				
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"): <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> STANDARD		<p align="center"><b>REQUESTED ANALYSES</b></p> <p align="center">Please check box or fill in blank as needed</p>				
EDD <input type="checkbox"/> COELT EDF <input type="checkbox"/> OTHER						

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT	Unpreserved	Preserved	Field Filtered	<input type="checkbox"/> TPH(g) <input type="checkbox"/> GRO	<input type="checkbox"/> TPH(g) <input type="checkbox"/> DRO	<input checked="" type="checkbox"/> TPH <input type="checkbox"/> C6-C36 <input checked="" type="checkbox"/> C8-C14	TPH	BTEX / MTBE <input type="checkbox"/> 8280 <input type="checkbox"/>	VOCs (8260)	Oxygenates (8260)	Prep (5035) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 SIM	T22 Metals <input type="checkbox"/> 6010/747X <input type="checkbox"/> 6020/747X	Cr(VI) <input type="checkbox"/> 7196 <input type="checkbox"/> 7199 <input type="checkbox"/> 218 6	
		DATE	TIME																				
21	B3-5	8/30/21	2:11	SOIL	1						X												
22	B3-10	8/30/21	2:14	SOIL	1						X												

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: <u>8/30/21</u>	Time: <u>1548</u>
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:



## Login Sample Receipt Checklist

Client: Frey Environmental

Job Number: 570-68691-2

**Login Number: 68691**  
**List Number: 1**  
**Creator: Patel, Jayesh**

**List Source: Eurofins Calscience LLC**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



## ANALYTICAL REPORT

Eurofins Calscience LLC  
7440 Lincoln Way  
Garden Grove, CA 92841  
Tel: (714)895-5494

Laboratory Job ID: 570-68766-2  
Client Project/Site: 777 Orangethorpe

For:  
Frey Environmental  
2817-A La Fayette Ave  
Newport Beach, California 92663

Attn: Deanna Hoppe



Authorized for release by:  
9/14/2021 3:50:56 PM

Tina Nguyen, Project Manager  
(714)895-5494  
[tina.nguyen@eurofinset.com](mailto:tina.nguyen@eurofinset.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	2
Definitions/Glossary . . . . .	3
Case Narrative . . . . .	4
Detection Summary . . . . .	5
Client Sample Results . . . . .	6
Surrogate Summary . . . . .	26
QC Sample Results . . . . .	27
QC Association Summary . . . . .	35
Lab Chronicle . . . . .	37
Certification Summary . . . . .	40
Method Summary . . . . .	41
Sample Summary . . . . .	42
Chain of Custody . . . . .	43
Receipt Checklists . . . . .	46

# Definitions/Glossary

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F2	MS/MSD RPD exceeds control limits

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

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**Job ID: 570-68766-2**

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**Laboratory: Eurofins Calscience LLC**

## Narrative

**Job Narrative**  
**570-68766-2**

### Comments

No additional comments.

### Receipt

The samples were received on 8/31/2021 2:17 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.6° C.

### GC/MS VOA

Method 8260B: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 570-178127 and analytical batch 570-178103 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8260B: The initial calibration curve analyzed in batch 570-178103 was outside method criteria for the following analyte(s): Bromomethane. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered an estimated concentration.

Method 8260B: The following analyte recovered outside control limits for the LCS associated with preparation batch 570-178599 and analytical batch 570-178574: Acetone. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

### VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

# Detection Summary

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

**Client Sample ID: HA1-5** **Lab Sample ID: 570-68766-9**

No Detections.

**Client Sample ID: HA1-10** **Lab Sample ID: 570-68766-10**

No Detections.

**Client Sample ID: HA1-15** **Lab Sample ID: 570-68766-11**

No Detections.

**Client Sample ID: HA1-20** **Lab Sample ID: 570-68766-12**

No Detections.

**Client Sample ID: HA1-25** **Lab Sample ID: 570-68766-13**

No Detections.

**Client Sample ID: HA1-30** **Lab Sample ID: 570-68766-14**

No Detections.

**Client Sample ID: HA2-5** **Lab Sample ID: 570-68766-15**

No Detections.

**Client Sample ID: HA2-10** **Lab Sample ID: 570-68766-16**

No Detections.

**Client Sample ID: HA2-15** **Lab Sample ID: 570-68766-17**

No Detections.

**Client Sample ID: HA2-20** **Lab Sample ID: 570-68766-18**

No Detections.

**Client Sample ID: HA2-25** **Lab Sample ID: 570-68766-19**

No Detections.

**Client Sample ID: HA2-30** **Lab Sample ID: 570-68766-20**

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
 Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Client Sample ID: HA1-5**  
**Date Collected: 08/31/21 09:08**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-9**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
1,1,1-Trichloroethane	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
1,1,2,2-Tetrachloroethane	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.7		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
1,1,2-Trichloroethane	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
1,1-Dichloroethane	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
1,1-Dichloroethene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
1,1-Dichloropropene	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
1,2,3-Trichlorobenzene	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
1,2,3-Trichloropropane	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
1,2,4-Trichlorobenzene	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
1,2,4-Trimethylbenzene	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
1,2-Dibromo-3-Chloropropane	ND		9.7		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
1,2-Dibromoethane	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
1,2-Dichlorobenzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
1,2-Dichloroethane	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
1,2-Dichloropropane	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
1,3,5-Trimethylbenzene	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
1,3-Dichlorobenzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
1,3-Dichloropropane	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
1,4-Dichlorobenzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
2,2-Dichloropropane	ND		4.8		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
2-Butanone	ND		19		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
2-Chlorotoluene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
2-Hexanone	ND		19		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
4-Chlorotoluene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
4-Methyl-2-pentanone	ND		19		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
Acetone	ND		19		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
Benzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
Bromobenzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
Bromochloromethane	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
Bromodichloromethane	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
Bromoform	ND		4.8		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
Bromomethane	ND		19		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
cis-1,2-Dichloroethene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
cis-1,3-Dichloropropane	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
Carbon disulfide	ND		9.7		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
Carbon tetrachloride	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
Chlorobenzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
Chloroethane	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
Chloroform	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
Chloromethane	ND		19		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
Dibromochloromethane	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
Dibromomethane	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
Dichlorodifluoromethane	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
Di-isopropyl ether (DIPE)	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
Ethanol	ND	F2	240		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
Ethylbenzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
Ethyl-t-butyl ether (ETBE)	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1

# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: HA1-5**  
**Date Collected: 08/31/21 09:08**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-9**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
Methylene Chloride	ND		9.7		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
Methyl-t-Butyl Ether (MTBE)	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
Naphthalene	ND		9.7		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
n-Butylbenzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
N-Propylbenzene	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
o-Xylene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
m,p-Xylene	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
p-Isopropyltoluene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
sec-Butylbenzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
Styrene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
trans-1,2-Dichloroethene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
trans-1,3-Dichloropropene	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
Tert-amyl-methyl ether (TAME)	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
tert-Butyl alcohol (TBA)	ND		19		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
tert-Butylbenzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
Tetrachloroethene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
Toluene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
Trichloroethene	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
Trichlorofluoromethane	ND		9.7		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
Vinyl acetate	ND		9.7		ug/Kg		09/10/21 11:15	09/10/21 12:16	1
Vinyl chloride	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 12:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>1,2-Dichloroethane-d4 (Surr)</i>	109		64 - 141	09/10/21 11:15	09/10/21 12:16	1
<i>4-Bromofluorobenzene (Surr)</i>	104		76 - 120	09/10/21 11:15	09/10/21 12:16	1
<i>Dibromofluoromethane (Surr)</i>	90		47 - 142	09/10/21 11:15	09/10/21 12:16	1
<i>Toluene-d8 (Surr)</i>	100		80 - 120	09/10/21 11:15	09/10/21 12:16	1

**Client Sample ID: HA1-10**  
**Date Collected: 08/31/21 09:09**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-10**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
1,1,1-Trichloroethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.8		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
1,1,2-Trichloroethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
1,1-Dichloroethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
1,1-Dichloroethene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
1,2-Dibromo-3-Chloropropane	ND		9.8		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
1,2-Dibromoethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
1,2-Dichlorobenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
1,2-Dichloroethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
1,2-Dichloropropane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1

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# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: HA1-10**  
**Date Collected: 08/31/21 09:09**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-10**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
1,3-Dichlorobenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
1,3-Dichloropropane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
1,4-Dichlorobenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
2,2-Dichloropropane	ND		4.9		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
2-Butanone	ND		20		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
2-Chlorotoluene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
2-Hexanone	ND		20		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
4-Chlorotoluene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
Acetone	ND		20		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
Benzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
Bromobenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
Bromochloromethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
Bromodichloromethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
Bromoform	ND		4.9		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
Bromomethane	ND		20		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
cis-1,2-Dichloroethene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
cis-1,3-Dichloropropene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
Carbon disulfide	ND		9.8		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
Carbon tetrachloride	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
Chlorobenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
Chloroethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
Chloroform	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
Chloromethane	ND		20		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
Dibromochloromethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
Dibromomethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
Di-isopropyl ether (DIPE)	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
Ethanol	ND		250		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
Ethylbenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
Ethyl-t-butyl ether (ETBE)	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
Isopropylbenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
Methylene Chloride	ND		9.8		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
Naphthalene	ND		9.8		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
n-Butylbenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
N-Propylbenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
o-Xylene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
m,p-Xylene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
p-Isopropyltoluene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
sec-Butylbenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
Styrene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
trans-1,2-Dichloroethene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
Tert-amyl-methyl ether (TAME)	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
tert-Butylbenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
Tetrachloroethene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1

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# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: HA1-10**  
**Date Collected: 08/31/21 09:09**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-10**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
Trichloroethene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
Trichlorofluoromethane	ND		9.8		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
Vinyl acetate	ND		9.8		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
Vinyl chloride	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 15:39	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>1,2-Dichloroethane-d4 (Surr)</i>	114		64 - 141				09/10/21 11:15	09/10/21 15:39	1
<i>4-Bromofluorobenzene (Surr)</i>	102		76 - 120				09/10/21 11:15	09/10/21 15:39	1
<i>Dibromofluoromethane (Surr)</i>	93		47 - 142				09/10/21 11:15	09/10/21 15:39	1
<i>Toluene-d8 (Surr)</i>	99		80 - 120				09/10/21 11:15	09/10/21 15:39	1

**Client Sample ID: HA1-15**  
**Date Collected: 08/31/21 09:14**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-11**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
1,1,1-Trichloroethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.8		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
1,1,2-Trichloroethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
1,1-Dichloroethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
1,1-Dichloroethene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
1,2-Dibromo-3-Chloropropane	ND		9.8		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
1,2-Dibromoethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
1,2-Dichlorobenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
1,2-Dichloroethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
1,2-Dichloropropane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
1,3-Dichlorobenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
1,3-Dichloropropane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
1,4-Dichlorobenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
2,2-Dichloropropane	ND		4.9		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
2-Butanone	ND		20		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
2-Chlorotoluene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
2-Hexanone	ND		20		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
4-Chlorotoluene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Acetone	ND		20		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Benzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Bromobenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Bromochloromethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Bromodichloromethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Bromoform	ND		4.9		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Bromomethane	ND		20		ug/Kg		09/10/21 11:15	09/10/21 16:05	1

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# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: HA1-15**  
**Date Collected: 08/31/21 09:14**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-11**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
cis-1,3-Dichloropropene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Carbon disulfide	ND		9.8		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Carbon tetrachloride	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Chlorobenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Chloroethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Chloroform	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Chloromethane	ND		20		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Dibromochloromethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Dibromomethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Di-isopropyl ether (DIPE)	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Ethanol	ND		240		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Ethylbenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Ethyl-t-butyl ether (ETBE)	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Isopropylbenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Methylene Chloride	ND		9.8		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Naphthalene	ND		9.8		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
n-Butylbenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
N-Propylbenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
o-Xylene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
m,p-Xylene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
p-Isopropyltoluene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
sec-Butylbenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Styrene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
trans-1,2-Dichloroethene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Tert-amyl-methyl ether (TAME)	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
tert-Butylbenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Tetrachloroethene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Toluene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Trichloroethene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Trichlorofluoromethane	ND		9.8		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Vinyl acetate	ND		9.8		ug/Kg		09/10/21 11:15	09/10/21 16:05	1
Vinyl chloride	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 16:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>1,2-Dichloroethane-d4 (Surr)</i>	115		64 - 141	09/10/21 11:15	09/10/21 16:05	1
<i>4-Bromofluorobenzene (Surr)</i>	103		76 - 120	09/10/21 11:15	09/10/21 16:05	1
<i>Dibromofluoromethane (Surr)</i>	92		47 - 142	09/10/21 11:15	09/10/21 16:05	1
<i>Toluene-d8 (Surr)</i>	101		80 - 120	09/10/21 11:15	09/10/21 16:05	1

**Client Sample ID: HA1-20**  
**Date Collected: 08/31/21 09:27**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-12**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1

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# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: HA1-20**  
**Date Collected: 08/31/21 09:27**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-12**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
1,1-Dichloroethane	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
1,1-Dichloroethene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
1,2-Dibromoethane	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
1,2-Dichloroethane	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
1,2-Dichloropropane	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
1,3-Dichloropropane	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
2,2-Dichloropropane	ND		5.1		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
2-Butanone	ND		20		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
2-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
2-Hexanone	ND		20		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
4-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
Acetone	ND		20		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
Benzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
Bromobenzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
Bromochloromethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
Bromodichloromethane	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
Bromoform	ND		5.1		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
Bromomethane	ND		20		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
Carbon disulfide	ND		10		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
Carbon tetrachloride	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
Chlorobenzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
Chloroethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
Chloroform	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
Chloromethane	ND		20		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
Dibromochloromethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
Dibromomethane	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
Ethanol	ND		250		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
Ethylbenzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
Isopropylbenzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
Methylene Chloride	ND		10		ug/Kg		09/10/21 11:15	09/10/21 16:30	1

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# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: HA1-20**  
**Date Collected: 08/31/21 09:27**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-12**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
Naphthalene	ND		10		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
n-Butylbenzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
N-Propylbenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
o-Xylene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
m,p-Xylene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
p-Isopropyltoluene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
sec-Butylbenzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
Styrene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
tert-Butylbenzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
Tetrachloroethene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
Toluene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
Trichloroethene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
Trichlorofluoromethane	ND		10		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
Vinyl acetate	ND		10		ug/Kg		09/10/21 11:15	09/10/21 16:30	1
Vinyl chloride	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 16:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>1,2-Dichloroethane-d4 (Surr)</i>	117		64 - 141	09/10/21 11:15	09/10/21 16:30	1
<i>4-Bromofluorobenzene (Surr)</i>	104		76 - 120	09/10/21 11:15	09/10/21 16:30	1
<i>Dibromofluoromethane (Surr)</i>	92		47 - 142	09/10/21 11:15	09/10/21 16:30	1
<i>Toluene-d8 (Surr)</i>	99		80 - 120	09/10/21 11:15	09/10/21 16:30	1

**Client Sample ID: HA1-25**  
**Date Collected: 08/31/21 09:34**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-13**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
1,1,1-Trichloroethane	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
1,1,2,2-Tetrachloroethane	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.7		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
1,1,2-Trichloroethane	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
1,1-Dichloroethane	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
1,1-Dichloroethene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
1,1-Dichloropropene	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
1,2,3-Trichlorobenzene	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
1,2,3-Trichloropropane	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
1,2,4-Trichlorobenzene	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
1,2,4-Trimethylbenzene	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
1,2-Dibromo-3-Chloropropane	ND		9.7		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
1,2-Dibromoethane	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
1,2-Dichlorobenzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
1,2-Dichloroethane	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
1,2-Dichloropropane	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
1,3,5-Trimethylbenzene	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
1,3-Dichlorobenzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: HA1-25**  
**Date Collected: 08/31/21 09:34**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-13**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
1,4-Dichlorobenzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
2,2-Dichloropropane	ND		4.9		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
2-Butanone	ND		19		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
2-Chlorotoluene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
2-Hexanone	ND		19		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
4-Chlorotoluene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
4-Methyl-2-pentanone	ND		19		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Acetone	ND		19		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Benzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Bromobenzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Bromochloromethane	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Bromodichloromethane	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Bromoform	ND		4.9		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Bromomethane	ND		19		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
cis-1,2-Dichloroethene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
cis-1,3-Dichloropropene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Carbon disulfide	ND		9.7		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Carbon tetrachloride	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Chlorobenzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Chloroethane	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Chloroform	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Chloromethane	ND		19		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Dibromochloromethane	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Dibromomethane	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Dichlorodifluoromethane	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Di-isopropyl ether (DIPE)	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Ethanol	ND		240		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Ethylbenzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Ethyl-t-butyl ether (ETBE)	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Isopropylbenzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Methylene Chloride	ND		9.7		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Methyl-t-Butyl Ether (MTBE)	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Naphthalene	ND		9.7		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
n-Butylbenzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
N-Propylbenzene	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
o-Xylene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
m,p-Xylene	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
p-Isopropyltoluene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
sec-Butylbenzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Styrene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
trans-1,2-Dichloroethene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
trans-1,3-Dichloropropene	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Tert-amyl-methyl ether (TAME)	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
tert-Butyl alcohol (TBA)	ND		19		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
tert-Butylbenzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Tetrachloroethene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Toluene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Trichloroethene	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 16:56	1

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# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: HA1-25**  
**Date Collected: 08/31/21 09:34**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-13**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		9.7		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Vinyl acetate	ND		9.7		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Vinyl chloride	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 16:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		64 - 141				09/10/21 11:15	09/10/21 16:56	1
4-Bromofluorobenzene (Surr)	103		76 - 120				09/10/21 11:15	09/10/21 16:56	1
Dibromofluoromethane (Surr)	93		47 - 142				09/10/21 11:15	09/10/21 16:56	1
Toluene-d8 (Surr)	99		80 - 120				09/10/21 11:15	09/10/21 16:56	1

**Client Sample ID: HA1-30**  
**Date Collected: 08/31/21 09:43**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-14**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
1,1,1-Trichloroethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.8		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
1,1,2-Trichloroethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
1,1-Dichloroethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
1,1-Dichloroethene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
1,2-Dibromo-3-Chloropropane	ND		9.8		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
1,2-Dibromoethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
1,2-Dichlorobenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
1,2-Dichloroethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
1,2-Dichloropropane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
1,3-Dichlorobenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
1,3-Dichloropropane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
1,4-Dichlorobenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
2,2-Dichloropropane	ND		4.9		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
2-Butanone	ND		20		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
2-Chlorotoluene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
2-Hexanone	ND		20		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
4-Chlorotoluene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
Acetone	ND		20		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
Benzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
Bromobenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
Bromochloromethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
Bromodichloromethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
Bromoform	ND		4.9		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
Bromomethane	ND		20		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
cis-1,2-Dichloroethene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
cis-1,3-Dichloropropene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1

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# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: HA1-30**  
**Date Collected: 08/31/21 09:43**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-14**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		9.8		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
Carbon tetrachloride	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
Chlorobenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
Chloroethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
Chloroform	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
Chloromethane	ND		20		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
Dibromochloromethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
Dibromomethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
Di-isopropyl ether (DIPE)	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
Ethanol	ND		240		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
Ethylbenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
Ethyl-t-butyl ether (ETBE)	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
Isopropylbenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
Methylene Chloride	ND		9.8		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
Naphthalene	ND		9.8		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
n-Butylbenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
N-Propylbenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
o-Xylene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
m,p-Xylene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
p-Isopropyltoluene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
sec-Butylbenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
Styrene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
trans-1,2-Dichloroethene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
Tert-amyl-methyl ether (TAME)	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
tert-Butylbenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
Tetrachloroethene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
Toluene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
Trichloroethene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
Trichlorofluoromethane	ND		9.8		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
Vinyl acetate	ND		9.8		ug/Kg		09/10/21 11:15	09/10/21 17:21	1
Vinyl chloride	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 17:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>1,2-Dichloroethane-d4 (Surr)</i>	114		64 - 141	09/10/21 11:15	09/10/21 17:21	1
<i>4-Bromofluorobenzene (Surr)</i>	103		76 - 120	09/10/21 11:15	09/10/21 17:21	1
<i>Dibromofluoromethane (Surr)</i>	92		47 - 142	09/10/21 11:15	09/10/21 17:21	1
<i>Toluene-d8 (Surr)</i>	99		80 - 120	09/10/21 11:15	09/10/21 17:21	1

**Client Sample ID: HA2-5**  
**Date Collected: 08/31/21 10:30**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-15**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		09/10/21 11:15	09/10/21 17:47	1

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# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: HA2-5**  
**Date Collected: 08/31/21 10:30**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-15**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
1,1-Dichloroethane	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
1,1-Dichloroethene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
1,2-Dibromoethane	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
1,2-Dichloroethane	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
1,2-Dichloropropane	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
1,3-Dichloropropane	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
2,2-Dichloropropane	ND		5.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
2-Butanone	ND		20		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
2-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
2-Hexanone	ND		20		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
4-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Acetone	ND		20		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Benzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Bromobenzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Bromochloromethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Bromodichloromethane	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Bromoform	ND		5.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Bromomethane	ND		20		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Carbon disulfide	ND		10		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Carbon tetrachloride	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Chlorobenzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Chloroethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Chloroform	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Chloromethane	ND		20		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Dibromochloromethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Dibromomethane	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Ethanol	ND		250		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Ethylbenzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Isopropylbenzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Methylene Chloride	ND		10		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Naphthalene	ND		10		ug/Kg		09/10/21 11:15	09/10/21 17:47	1

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: HA2-5**  
**Date Collected: 08/31/21 10:30**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-15**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
N-Propylbenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
o-Xylene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
m,p-Xylene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
p-Isopropyltoluene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
sec-Butylbenzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Styrene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
tert-Butylbenzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Tetrachloroethene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Toluene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Trichloroethene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Trichlorofluoromethane	ND		10		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Vinyl acetate	ND		10		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Vinyl chloride	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 17:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		64 - 141				09/10/21 11:15	09/10/21 17:47	1
4-Bromofluorobenzene (Surr)	103		76 - 120				09/10/21 11:15	09/10/21 17:47	1
Dibromofluoromethane (Surr)	94		47 - 142				09/10/21 11:15	09/10/21 17:47	1
Toluene-d8 (Surr)	107		80 - 120				09/10/21 11:15	09/10/21 17:47	1

**Client Sample ID: HA2-10**  
**Date Collected: 08/31/21 10:33**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-16**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
1,1-Dichloroethane	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
1,1-Dichloroethene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
1,2-Dibromoethane	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
1,2-Dichloroethane	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
1,2-Dichloropropane	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
1,3-Dichloropropane	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: HA2-10**  
**Date Collected: 08/31/21 10:33**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-16**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		5.1		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
2-Butanone	ND		20		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
2-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
2-Hexanone	ND		20		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
4-Chlorotoluene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
Acetone	ND		20		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
Benzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
Bromobenzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
Bromochloromethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
Bromodichloromethane	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
Bromoform	ND		5.1		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
Bromomethane	ND		20		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
Carbon disulfide	ND		10		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
Carbon tetrachloride	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
Chlorobenzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
Chloroethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
Chloroform	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
Chloromethane	ND		20		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
Dibromochloromethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
Dibromomethane	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
Ethanol	ND		250		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
Ethylbenzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
Isopropylbenzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
Methylene Chloride	ND		10		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
Naphthalene	ND		10		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
n-Butylbenzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
N-Propylbenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
o-Xylene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
m,p-Xylene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
p-Isopropyltoluene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
sec-Butylbenzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
Styrene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
tert-Butylbenzene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
Tetrachloroethene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
Toluene	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
Trichloroethene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
Trichlorofluoromethane	ND		10		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
Vinyl acetate	ND		10		ug/Kg		09/10/21 11:15	09/10/21 18:12	1

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# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: HA2-10**  
**Date Collected: 08/31/21 10:33**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-16**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0		ug/Kg		09/10/21 11:15	09/10/21 18:12	1
<b>Surrogate</b>									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		64 - 141				09/10/21 11:15	09/10/21 18:12	1
4-Bromofluorobenzene (Surr)	101		76 - 120				09/10/21 11:15	09/10/21 18:12	1
Dibromofluoromethane (Surr)	94		47 - 142				09/10/21 11:15	09/10/21 18:12	1
Toluene-d8 (Surr)	100		80 - 120				09/10/21 11:15	09/10/21 18:12	1

**Client Sample ID: HA2-15**  
**Date Collected: 08/31/21 10:35**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-17**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
1,1,1-Trichloroethane	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
1,1,2,2-Tetrachloroethane	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.7		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
1,1,2-Trichloroethane	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
1,1-Dichloroethane	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
1,1-Dichloroethene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
1,1-Dichloropropene	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
1,2,3-Trichlorobenzene	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
1,2,3-Trichloropropane	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
1,2,4-Trichlorobenzene	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
1,2,4-Trimethylbenzene	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
1,2-Dibromo-3-Chloropropane	ND		9.7		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
1,2-Dibromoethane	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
1,2-Dichlorobenzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
1,2-Dichloroethane	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
1,2-Dichloropropane	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
1,3,5-Trimethylbenzene	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
1,3-Dichlorobenzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
1,3-Dichloropropane	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
1,4-Dichlorobenzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
2,2-Dichloropropane	ND		4.8		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
2-Butanone	ND		19		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
2-Chlorotoluene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
2-Hexanone	ND		19		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
4-Chlorotoluene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
4-Methyl-2-pentanone	ND		19		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
Acetone	ND		19		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
Benzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
Bromobenzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
Bromochloromethane	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
Bromodichloromethane	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
Bromoform	ND		4.8		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
Bromomethane	ND		19		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
cis-1,2-Dichloroethene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
cis-1,3-Dichloropropene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
Carbon disulfide	ND		9.7		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
Carbon tetrachloride	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1

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# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: HA2-15**  
**Date Collected: 08/31/21 10:35**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-17**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
Chloroethane	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
Chloroform	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
Chloromethane	ND		19		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
Dibromochloromethane	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
Dibromomethane	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
Dichlorodifluoromethane	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
Di-isopropyl ether (DIPE)	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
Ethanol	ND		240		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
Ethylbenzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
Ethyl-t-butyl ether (ETBE)	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
Isopropylbenzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
Methylene Chloride	ND		9.7		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
Methyl-t-Butyl Ether (MTBE)	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
Naphthalene	ND		9.7		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
n-Butylbenzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
N-Propylbenzene	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
o-Xylene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
m,p-Xylene	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
p-Isopropyltoluene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
sec-Butylbenzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
Styrene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
trans-1,2-Dichloroethene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
trans-1,3-Dichloropropene	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
Tert-amyl-methyl ether (TAME)	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
tert-Butyl alcohol (TBA)	ND		19		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
tert-Butylbenzene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
Tetrachloroethene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
Toluene	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
Trichloroethene	ND		1.9		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
Trichlorofluoromethane	ND		9.7		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
Vinyl acetate	ND		9.7		ug/Kg		09/10/21 11:15	09/10/21 18:37	1
Vinyl chloride	ND		0.97		ug/Kg		09/10/21 11:15	09/10/21 18:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		64 - 141	09/10/21 11:15	09/10/21 18:37	1
4-Bromofluorobenzene (Surr)	102		76 - 120	09/10/21 11:15	09/10/21 18:37	1
Dibromofluoromethane (Surr)	94		47 - 142	09/10/21 11:15	09/10/21 18:37	1
Toluene-d8 (Surr)	100		80 - 120	09/10/21 11:15	09/10/21 18:37	1

**Client Sample ID: HA2-20**  
**Date Collected: 08/31/21 10:40**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-18**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
1,1,1-Trichloroethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.8		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
1,1,2-Trichloroethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
1,1-Dichloroethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: HA2-20**  
**Date Collected: 08/31/21 10:40**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-18**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
1,2-Dibromo-3-Chloropropane	ND		9.8		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
1,2-Dibromoethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
1,2-Dichlorobenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
1,2-Dichloroethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
1,2-Dichloropropane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
1,3-Dichlorobenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
1,3-Dichloropropane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
1,4-Dichlorobenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
2,2-Dichloropropane	ND		4.9		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
2-Butanone	ND		20		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
2-Chlorotoluene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
2-Hexanone	ND		20		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
4-Chlorotoluene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Acetone	ND		20		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Benzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Bromobenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Bromochloromethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Bromodichloromethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Bromoform	ND		4.9		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Bromomethane	ND		20		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
cis-1,2-Dichloroethene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
cis-1,3-Dichloropropane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Carbon disulfide	ND		9.8		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Carbon tetrachloride	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Chlorobenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Chloroethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Chloroform	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Chloromethane	ND		20		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Dibromochloromethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Dibromomethane	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Di-isopropyl ether (DIPE)	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Ethanol	ND		250		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Ethylbenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Ethyl-t-butyl ether (ETBE)	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Isopropylbenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Methylene Chloride	ND		9.8		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Naphthalene	ND		9.8		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
n-Butylbenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
N-Propylbenzene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 19:03	1

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# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: HA2-20**  
**Date Collected: 08/31/21 10:40**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-18**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
m,p-Xylene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
p-Isopropyltoluene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
sec-Butylbenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Styrene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
trans-1,2-Dichloroethene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Tert-amyl-methyl ether (TAME)	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
tert-Butylbenzene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Tetrachloroethene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Toluene	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Trichloroethene	ND		2.0		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Trichlorofluoromethane	ND		9.8		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Vinyl acetate	ND		9.8		ug/Kg		09/10/21 11:15	09/10/21 19:03	1
Vinyl chloride	ND		0.98		ug/Kg		09/10/21 11:15	09/10/21 19:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	140		64 - 141	09/10/21 11:15	09/10/21 19:03	1
4-Bromofluorobenzene (Surr)	106		76 - 120	09/10/21 11:15	09/10/21 19:03	1
Dibromofluoromethane (Surr)	99		47 - 142	09/10/21 11:15	09/10/21 19:03	1
Toluene-d8 (Surr)	101		80 - 120	09/10/21 11:15	09/10/21 19:03	1

**Client Sample ID: HA2-25**  
**Date Collected: 08/31/21 10:46**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-19**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
1,1,1-Trichloroethane	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.9		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
1,1,2-Trichloroethane	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
1,1-Dichloroethane	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
1,1-Dichloroethene	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
1,2-Dibromo-3-Chloropropane	ND		9.9		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
1,2-Dibromoethane	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
1,2-Dichlorobenzene	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
1,2-Dichloroethane	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
1,2-Dichloropropane	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
1,3-Dichlorobenzene	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
1,3-Dichloropropane	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
1,4-Dichlorobenzene	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
2,2-Dichloropropane	ND		5.0		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
2-Butanone	ND		20		ug/Kg		09/13/21 14:03	09/13/21 15:49	1

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: HA2-25**  
**Date Collected: 08/31/21 10:46**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-19**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
2-Hexanone	ND		20		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
4-Chlorotoluene	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Acetone	ND	+	20		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Benzene	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Bromobenzene	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Bromochloromethane	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Bromodichloromethane	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Bromoform	ND		5.0		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Bromomethane	ND		20		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
cis-1,2-Dichloroethene	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
cis-1,3-Dichloropropene	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Carbon disulfide	ND		9.9		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Carbon tetrachloride	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Chlorobenzene	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Chloroethane	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Chloroform	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Chloromethane	ND		20		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Dibromochloromethane	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Dibromomethane	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Di-isopropyl ether (DIPE)	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Ethanol	ND		250		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Ethylbenzene	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Ethyl-t-butyl ether (ETBE)	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Isopropylbenzene	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Methylene Chloride	ND		9.9		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Naphthalene	ND		9.9		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
n-Butylbenzene	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
N-Propylbenzene	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
o-Xylene	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
m,p-Xylene	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
p-Isopropyltoluene	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
sec-Butylbenzene	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Styrene	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
trans-1,2-Dichloroethene	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Tert-amyl-methyl ether (TAME)	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
tert-Butylbenzene	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Tetrachloroethene	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Toluene	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Trichloroethene	ND		2.0		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Trichlorofluoromethane	ND		9.9		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Vinyl acetate	ND		9.9		ug/Kg		09/13/21 14:03	09/13/21 15:49	1
Vinyl chloride	ND		0.99		ug/Kg		09/13/21 14:03	09/13/21 15:49	1

# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		64 - 141	09/13/21 14:03	09/13/21 15:49	1
4-Bromofluorobenzene (Surr)	98		76 - 120	09/13/21 14:03	09/13/21 15:49	1
Dibromofluoromethane (Surr)	100		47 - 142	09/13/21 14:03	09/13/21 15:49	1
Toluene-d8 (Surr)	99		80 - 120	09/13/21 14:03	09/13/21 15:49	1

**Client Sample ID: HA2-30**  
**Date Collected: 08/31/21 10:51**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-20**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
1,1-Dichloroethane	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
1,1-Dichloroethene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
1,2-Dibromoethane	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
1,2-Dichloroethane	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
1,2-Dichloropropane	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
1,3-Dichloropropane	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
2,2-Dichloropropane	ND		5.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
2-Butanone	ND		20		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
2-Chlorotoluene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
2-Hexanone	ND		20		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
4-Chlorotoluene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
Acetone	ND	+	20		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
Benzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
Bromobenzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
Bromochloromethane	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
Bromodichloromethane	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
Bromoform	ND		5.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
Bromomethane	ND		20		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
Carbon disulfide	ND		10		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
Carbon tetrachloride	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
Chlorobenzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
Chloroethane	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
Chloroform	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
Chloromethane	ND		20		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
Dibromochloromethane	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1

Eurofins Calscience LLC

# Client Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: HA2-30**  
**Date Collected: 08/31/21 10:51**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-20**  
**Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
Ethanol	ND		250		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
Ethylbenzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
Isopropylbenzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
Methylene Chloride	ND		10		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
Naphthalene	ND		10		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
n-Butylbenzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
N-Propylbenzene	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
o-Xylene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
m,p-Xylene	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
p-Isopropyltoluene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
sec-Butylbenzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
Styrene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
tert-Butylbenzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
Tetrachloroethene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
Toluene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
Trichloroethene	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
Trichlorofluoromethane	ND		10		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
Vinyl acetate	ND		10		ug/Kg		09/13/21 08:25	09/13/21 11:04	1
Vinyl chloride	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 11:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		64 - 141	09/13/21 08:25	09/13/21 11:04	1
4-Bromofluorobenzene (Surr)	101		76 - 120	09/13/21 08:25	09/13/21 11:04	1
Dibromofluoromethane (Surr)	101		47 - 142	09/13/21 08:25	09/13/21 11:04	1
Toluene-d8 (Surr)	101		80 - 120	09/13/21 08:25	09/13/21 11:04	1

# Surrogate Summary

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

**Matrix: Solid**

**Prep Type: Total/NA**

**Percent Surrogate Recovery (Acceptance Limits)**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (64-141)	BFB (76-120)	DBFM (47-142)	TOL (80-120)
570-68766-9	HA1-5	109	104	90	100
570-68766-9 MS	HA1-5	104	106	97	104
570-68766-9 MSD	HA1-5	105	105	98	107
570-68766-10	HA1-10	114	102	93	99
570-68766-11	HA1-15	115	103	92	101
570-68766-12	HA1-20	117	104	92	99
570-68766-13	HA1-25	113	103	93	99
570-68766-14	HA1-30	114	103	92	99
570-68766-15	HA2-5	117	103	94	107
570-68766-16	HA2-10	116	101	94	100
570-68766-17	HA2-15	113	102	94	100
570-68766-18	HA2-20	140	106	99	101
570-68766-19	HA2-25	105	98	100	99
570-68766-20	HA2-30	103	101	101	101
570-68766-20 MS	HA2-30	105	97	102	101
570-68766-20 MSD	HA2-30	105	95	103	102
LCS 570-178127/1-A	Lab Control Sample	101	104	95	104
LCS 570-178599/1-A	Lab Control Sample	101	98	100	100
LCSD 570-178127/2-A	Lab Control Sample Dup	100	103	96	109
LCSD 570-178599/2-A	Lab Control Sample Dup	102	96	100	99
MB 570-178127/3-A	Method Blank	107	106	89	100
MB 570-178599/3-A	Method Blank	100	98	98	100

**Surrogate Legend**

- DCA = 1,2-Dichloroethane-d4 (Surr)
- BFB = 4-Bromofluorobenzene (Surr)
- DBFM = Dibromofluoromethane (Surr)
- TOL = Toluene-d8 (Surr)

# QC Sample Results

Client: Frey Environmental  
 Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 570-178127/3-A**  
**Matrix: Solid**  
**Analysis Batch: 178103**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 178127**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
1,1,1-Trichloroethane	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.9		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
1,1,2-Trichloroethane	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
1,1-Dichloroethane	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
1,1-Dichloroethene	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
1,2-Dibromo-3-Chloropropane	ND		9.9		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
1,2-Dibromoethane	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
1,2-Dichlorobenzene	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
1,2-Dichloroethane	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
1,2-Dichloropropane	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
1,3-Dichlorobenzene	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
1,3-Dichloropropane	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
1,4-Dichlorobenzene	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
2,2-Dichloropropane	ND		4.9		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
2-Butanone	ND		20		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
2-Chlorotoluene	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
2-Hexanone	ND		20		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
4-Chlorotoluene	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
Acetone	ND		20		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
Benzene	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
Bromobenzene	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
Bromochloromethane	ND		2.0		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
Bromodichloromethane	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
Bromoform	ND		4.9		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
Bromomethane	ND		20		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
cis-1,2-Dichloroethene	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
cis-1,3-Dichloropropane	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
Carbon disulfide	ND		9.9		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
Carbon tetrachloride	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
Chlorobenzene	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
Chloroethane	ND		2.0		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
Chloroform	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
Chloromethane	ND		20		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
Dibromochloromethane	ND		2.0		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
Dibromomethane	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
Di-isopropyl ether (DIPE)	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
Ethanol	ND		250		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
Ethylbenzene	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1

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# QC Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 570-178127/3-A**  
**Matrix: Solid**  
**Analysis Batch: 178103**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 178127**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
Isopropylbenzene	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
Methylene Chloride	ND		9.9		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
Naphthalene	ND		9.9		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
n-Butylbenzene	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
N-Propylbenzene	ND		2.0		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
o-Xylene	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
m,p-Xylene	ND		2.0		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
p-Isopropyltoluene	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
sec-Butylbenzene	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
Styrene	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
trans-1,2-Dichloroethene	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
Tert-amyl-methyl ether (TAME)	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
tert-Butylbenzene	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
Tetrachloroethene	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
Toluene	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
Trichloroethene	ND		2.0		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
Trichlorofluoromethane	ND		9.9		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
Vinyl acetate	ND		9.9		ug/Kg		09/10/21 08:38	09/10/21 11:00	1
Vinyl chloride	ND		0.99		ug/Kg		09/10/21 08:38	09/10/21 11:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		64 - 141	09/10/21 08:38	09/10/21 11:00	1
4-Bromofluorobenzene (Surr)	106		76 - 120	09/10/21 08:38	09/10/21 11:00	1
Dibromofluoromethane (Surr)	89		47 - 142	09/10/21 08:38	09/10/21 11:00	1
Toluene-d8 (Surr)	100		80 - 120	09/10/21 08:38	09/10/21 11:00	1

**Lab Sample ID: LCS 570-178127/1-A**  
**Matrix: Solid**  
**Analysis Batch: 178103**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 178127**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,1-Dichloroethene	51.0	45.70		ug/Kg		90	68 - 120
1,2-Dibromoethane	51.0	53.22		ug/Kg		104	80 - 120
1,2-Dichlorobenzene	51.0	52.13		ug/Kg		102	80 - 120
1,2-Dichloroethane	51.0	51.91		ug/Kg		102	76 - 126
Benzene	51.0	48.17		ug/Kg		94	76 - 120
Carbon tetrachloride	51.0	49.99		ug/Kg		98	68 - 132
Chlorobenzene	51.0	48.63		ug/Kg		95	80 - 120
Di-isopropyl ether (DIPE)	51.0	45.46		ug/Kg		89	69 - 123
Ethanol	510	355.1		ug/Kg		70	46 - 152
Ethylbenzene	51.0	52.21		ug/Kg		102	80 - 120
Ethyl-t-butyl ether (ETBE)	51.0	51.67		ug/Kg		101	69 - 121
Methyl-t-Butyl Ether (MTBE)	51.0	53.13		ug/Kg		104	70 - 120
o-Xylene	51.0	56.70		ug/Kg		111	76 - 125

# QC Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 570-178127/1-A**  
**Matrix: Solid**  
**Analysis Batch: 178103**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 178127**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m,p-Xylene	102	107.9		ug/Kg		106	75 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		64 - 141
4-Bromofluorobenzene (Surr)	104		76 - 120
Dibromofluoromethane (Surr)	95		47 - 142
Toluene-d8 (Surr)	104		80 - 120

**Lab Sample ID: LCSD 570-178127/2-A**  
**Matrix: Solid**  
**Analysis Batch: 178103**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 178127**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,1-Dichloroethene	50.2	46.72		ug/Kg		93	68 - 120	2	20
1,2-Dibromoethane	50.2	53.29		ug/Kg		106	80 - 120	0	20
1,2-Dichlorobenzene	50.2	52.25		ug/Kg		104	80 - 120	0	20
1,2-Dichloroethane	50.2	50.91		ug/Kg		101	76 - 126	2	20
Benzene	50.2	48.74		ug/Kg		97	76 - 120	1	20
Carbon tetrachloride	50.2	49.92		ug/Kg		99	68 - 132	0	20
Chlorobenzene	50.2	49.06		ug/Kg		98	80 - 120	1	20
Di-isopropyl ether (DIPE)	50.2	46.46		ug/Kg		93	69 - 123	2	20
Ethanol	502	419.2		ug/Kg		83	46 - 152	17	30
Ethylbenzene	50.2	52.29		ug/Kg		104	80 - 120	0	20
Ethyl-t-butyl ether (ETBE)	50.2	52.20		ug/Kg		104	69 - 121	1	20
Methyl-t-Butyl Ether (MTBE)	50.2	53.36		ug/Kg		106	70 - 120	0	20
o-Xylene	50.2	56.39		ug/Kg		112	76 - 125	1	20
m,p-Xylene	100	107.1		ug/Kg		107	75 - 122	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		64 - 141
4-Bromofluorobenzene (Surr)	103		76 - 120
Dibromofluoromethane (Surr)	96		47 - 142
Toluene-d8 (Surr)	109		80 - 120

**Lab Sample ID: 570-68766-9 MS**  
**Matrix: Solid**  
**Analysis Batch: 178103**

**Client Sample ID: HA1-5**  
**Prep Type: Total/NA**  
**Prep Batch: 178127**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	ND		50.7	50.16		ug/Kg		99	60 - 125
1,2-Dibromoethane	ND		50.7	52.35		ug/Kg		103	65 - 125
1,2-Dichlorobenzene	ND		50.7	52.99		ug/Kg		104	47 - 130
1,2-Dichloroethane	ND		50.7	52.40		ug/Kg		103	66 - 127
Benzene	ND		50.7	50.36		ug/Kg		99	70 - 125
Carbon tetrachloride	ND		50.7	54.14		ug/Kg		107	60 - 130
Chlorobenzene	ND		50.7	50.66		ug/Kg		100	65 - 125
Di-isopropyl ether (DIPE)	ND		50.7	47.08		ug/Kg		93	62 - 125
Ethanol	ND	F2	507	395.0		ug/Kg		78	21 - 168

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# QC Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 570-68766-9 MS**  
**Matrix: Solid**  
**Analysis Batch: 178103**

**Client Sample ID: HA1-5**  
**Prep Type: Total/NA**  
**Prep Batch: 178127**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Ethylbenzene	ND		50.7	55.10		ug/Kg		109	64 - 125	
Ethyl-t-butyl ether (ETBE)	ND		50.7	52.01		ug/Kg		103	61 - 125	
Methyl-t-Butyl Ether (MTBE)	ND		50.7	52.79		ug/Kg		104	61 - 125	
o-Xylene	ND		50.7	59.27		ug/Kg		117	59 - 128	
m,p-Xylene	ND		101	114.6		ug/Kg		113	60 - 125	

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	104		64 - 141
4-Bromofluorobenzene (Surr)	106		76 - 120
Dibromofluoromethane (Surr)	97		47 - 142
Toluene-d8 (Surr)	104		80 - 120

**Lab Sample ID: 570-68766-9 MSD**  
**Matrix: Solid**  
**Analysis Batch: 178103**

**Client Sample ID: HA1-5**  
**Prep Type: Total/NA**  
**Prep Batch: 178127**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
1,1-Dichloroethene	ND		48.4	44.59		ug/Kg		92	60 - 125	12	20	
1,2-Dibromoethane	ND		48.4	48.44		ug/Kg		100	65 - 125	8	21	
1,2-Dichlorobenzene	ND		48.4	47.67		ug/Kg		99	47 - 130	11	29	
1,2-Dichloroethane	ND		48.4	47.72		ug/Kg		99	66 - 127	9	20	
Benzene	ND		48.4	46.64		ug/Kg		96	70 - 125	8	20	
Carbon tetrachloride	ND		48.4	50.11		ug/Kg		104	60 - 130	8	20	
Chlorobenzene	ND		48.4	46.16		ug/Kg		95	65 - 125	9	22	
Di-isopropyl ether (DIPE)	ND		48.4	44.01		ug/Kg		91	62 - 125	7	20	
Ethanol	ND	F2	484	ND	F2	ug/Kg		45	21 - 168	57	40	
Ethylbenzene	ND		48.4	50.49		ug/Kg		104	64 - 125	9	22	
Ethyl-t-butyl ether (ETBE)	ND		48.4	48.50		ug/Kg		100	61 - 125	7	20	
Methyl-t-Butyl Ether (MTBE)	ND		48.4	48.94		ug/Kg		101	61 - 125	8	20	
o-Xylene	ND		48.4	53.69		ug/Kg		111	59 - 128	10	24	
m,p-Xylene	ND		96.7	103.0		ug/Kg		107	60 - 125	11	24	

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	105		64 - 141
4-Bromofluorobenzene (Surr)	105		76 - 120
Dibromofluoromethane (Surr)	98		47 - 142
Toluene-d8 (Surr)	107		80 - 120

**Lab Sample ID: MB 570-178599/3-A**  
**Matrix: Solid**  
**Analysis Batch: 178574**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 178599**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
	Result	Qualifier								
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12		1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12		1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		09/13/21 08:25	09/13/21 10:12		1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12		1

Eurofins Calscience LLC

# QC Sample Results

Client: Frey Environmental  
 Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 570-178599/3-A**  
**Matrix: Solid**  
**Analysis Batch: 178574**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 178599**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
	Result	Qualifier							
1,1-Dichloroethane	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
1,1-Dichloroethene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
1,1-Dichloropropene	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
1,2-Dibromoethane	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
1,2-Dichloroethane	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
1,2-Dichloropropane	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
1,3-Dichloropropane	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
2,2-Dichloropropane	ND		5.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
2-Butanone	ND		20		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
2-Chlorotoluene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
2-Hexanone	ND		20		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
4-Chlorotoluene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
4-Methyl-2-pentanone	ND		20		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Acetone	ND		20		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Benzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Bromobenzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Bromochloromethane	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Bromodichloromethane	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Bromoform	ND		5.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Bromomethane	ND		20		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Carbon disulfide	ND		10		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Carbon tetrachloride	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Chlorobenzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Chloroethane	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Chloroform	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Chloromethane	ND		20		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Dibromochloromethane	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Dibromomethane	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Ethanol	ND		250		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Ethylbenzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Isopropylbenzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Methylene Chloride	ND		10		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Naphthalene	ND		10		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
n-Butylbenzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1

Eurofins Calscience LLC

# QC Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 570-178599/3-A**  
**Matrix: Solid**  
**Analysis Batch: 178574**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 178599**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
o-Xylene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
m,p-Xylene	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
p-Isopropyltoluene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
sec-Butylbenzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Styrene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
tert-Butylbenzene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Tetrachloroethene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Toluene	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Trichloroethene	ND		2.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Trichlorofluoromethane	ND		10		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Vinyl acetate	ND		10		ug/Kg		09/13/21 08:25	09/13/21 10:12	1
Vinyl chloride	ND		1.0		ug/Kg		09/13/21 08:25	09/13/21 10:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		64 - 141	09/13/21 08:25	09/13/21 10:12	1
4-Bromofluorobenzene (Surr)	98		76 - 120	09/13/21 08:25	09/13/21 10:12	1
Dibromofluoromethane (Surr)	98		47 - 142	09/13/21 08:25	09/13/21 10:12	1
Toluene-d8 (Surr)	100		80 - 120	09/13/21 08:25	09/13/21 10:12	1

**Lab Sample ID: LCS 570-178599/1-A**  
**Matrix: Solid**  
**Analysis Batch: 178574**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 178599**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,1-Dichloroethene	50.1	55.21		ug/Kg		110	68 - 120
1,2-Dibromoethane	50.1	51.54		ug/Kg		103	80 - 120
1,2-Dichlorobenzene	50.1	53.03		ug/Kg		106	80 - 120
1,2-Dichloroethane	50.1	50.71		ug/Kg		101	76 - 126
Benzene	50.1	51.62		ug/Kg		103	76 - 120
Carbon tetrachloride	50.1	49.75		ug/Kg		99	68 - 132
Chlorobenzene	50.1	51.84		ug/Kg		103	80 - 120
Di-isopropyl ether (DIPE)	50.1	51.64		ug/Kg		103	69 - 123
Ethanol	50.1	597.9		ug/Kg		119	46 - 152
Ethylbenzene	50.1	50.41		ug/Kg		101	80 - 120
Ethyl-t-butyl ether (ETBE)	50.1	53.61		ug/Kg		107	69 - 121
Methyl-t-Butyl Ether (MTBE)	50.1	48.66		ug/Kg		97	70 - 120
o-Xylene	50.1	51.05		ug/Kg		102	76 - 125
m,p-Xylene	100	102.4		ug/Kg		102	75 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		64 - 141
4-Bromofluorobenzene (Surr)	98		76 - 120
Dibromofluoromethane (Surr)	100		47 - 142

# QC Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 570-178599/1-A**  
**Matrix: Solid**  
**Analysis Batch: 178574**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 178599**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		80 - 120

**Lab Sample ID: LCSD 570-178599/2-A**  
**Matrix: Solid**  
**Analysis Batch: 178574**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 178599**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	51.0	52.99		ug/Kg		104	68 - 120	4	20
1,2-Dibromoethane	51.0	50.70		ug/Kg		99	80 - 120	2	20
1,2-Dichlorobenzene	51.0	53.36		ug/Kg		105	80 - 120	1	20
1,2-Dichloroethane	51.0	50.22		ug/Kg		98	76 - 126	1	20
Benzene	51.0	50.32		ug/Kg		99	76 - 120	3	20
Carbon tetrachloride	51.0	48.09		ug/Kg		94	68 - 132	3	20
Chlorobenzene	51.0	50.91		ug/Kg		100	80 - 120	2	20
Di-isopropyl ether (DIPE)	51.0	50.95		ug/Kg		100	69 - 123	1	20
Ethanol	510	663.0		ug/Kg		130	46 - 152	10	30
Ethylbenzene	51.0	49.93		ug/Kg		98	80 - 120	1	20
Ethyl-t-butyl ether (ETBE)	51.0	53.67		ug/Kg		105	69 - 121	0	20
Methyl-t-Butyl Ether (MTBE)	51.0	49.54		ug/Kg		97	70 - 120	2	20
o-Xylene	51.0	49.84		ug/Kg		98	76 - 125	2	20
m,p-Xylene	102	99.94		ug/Kg		98	75 - 122	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		64 - 141
4-Bromofluorobenzene (Surr)	96		76 - 120
Dibromofluoromethane (Surr)	100		47 - 142
Toluene-d8 (Surr)	99		80 - 120

**Lab Sample ID: 570-68766-20 MS**  
**Matrix: Solid**  
**Analysis Batch: 178574**

**Client Sample ID: HA2-30**  
**Prep Type: Total/NA**  
**Prep Batch: 178599**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	ND		50.2	44.85		ug/Kg		89	60 - 125
1,2-Dibromoethane	ND		50.2	43.27		ug/Kg		86	65 - 125
1,2-Dichlorobenzene	ND		50.2	46.42		ug/Kg		92	47 - 130
1,2-Dichloroethane	ND		50.2	45.64		ug/Kg		91	66 - 127
Benzene	ND		50.2	44.05		ug/Kg		88	70 - 125
Carbon tetrachloride	ND		50.2	42.82		ug/Kg		85	60 - 130
Chlorobenzene	ND		50.2	44.07		ug/Kg		88	65 - 125
Di-isopropyl ether (DIPE)	ND		50.2	45.76		ug/Kg		91	62 - 125
Ethanol	ND		502	523.0		ug/Kg		104	21 - 168
Ethylbenzene	ND		50.2	43.47		ug/Kg		87	64 - 125
Ethyl-t-butyl ether (ETBE)	ND		50.2	47.28		ug/Kg		94	61 - 125
Methyl-t-Butyl Ether (MTBE)	ND		50.2	43.03		ug/Kg		86	61 - 125
o-Xylene	ND		50.2	43.89		ug/Kg		87	59 - 128
m,p-Xylene	ND		100	88.48		ug/Kg		88	60 - 125

# QC Sample Results

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 570-68766-20 MS**  
**Matrix: Solid**  
**Analysis Batch: 178574**

**Client Sample ID: HA2-30**  
**Prep Type: Total/NA**  
**Prep Batch: 178599**

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	105		64 - 141
4-Bromofluorobenzene (Surr)	97		76 - 120
Dibromofluoromethane (Surr)	102		47 - 142
Toluene-d8 (Surr)	101		80 - 120

**Lab Sample ID: 570-68766-20 MSD**  
**Matrix: Solid**  
**Analysis Batch: 178574**

**Client Sample ID: HA2-30**  
**Prep Type: Total/NA**  
**Prep Batch: 178599**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec.		RPD	Limit
				Result	Qualifier				Limits	RPD		
1,1-Dichloroethene	ND		50.7	46.91		ug/Kg		92	60 - 125	4	20	
1,2-Dibromoethane	ND		50.7	42.28		ug/Kg		83	65 - 125	2	21	
1,2-Dichlorobenzene	ND		50.7	47.04		ug/Kg		93	47 - 130	1	29	
1,2-Dichloroethane	ND		50.7	45.76		ug/Kg		90	66 - 127	0	20	
Benzene	ND		50.7	45.10		ug/Kg		89	70 - 125	2	20	
Carbon tetrachloride	ND		50.7	43.31		ug/Kg		85	60 - 130	1	20	
Chlorobenzene	ND		50.7	43.82		ug/Kg		86	65 - 125	1	22	
Di-isopropyl ether (DIPE)	ND		50.7	46.10		ug/Kg		91	62 - 125	1	20	
Ethanol	ND		50.7	540.8		ug/Kg		107	21 - 168	3	40	
Ethylbenzene	ND		50.7	42.99		ug/Kg		85	64 - 125	1	22	
Ethyl-t-butyl ether (ETBE)	ND		50.7	48.67		ug/Kg		96	61 - 125	3	20	
Methyl-t-Butyl Ether (MTBE)	ND		50.7	43.86		ug/Kg		86	61 - 125	2	20	
o-Xylene	ND		50.7	43.63		ug/Kg		86	59 - 128	1	24	
m,p-Xylene	ND		101	87.03		ug/Kg		86	60 - 125	2	24	

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	105		64 - 141
4-Bromofluorobenzene (Surr)	95		76 - 120
Dibromofluoromethane (Surr)	103		47 - 142
Toluene-d8 (Surr)	102		80 - 120

# QC Association Summary

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## GC/MS VOA

### Analysis Batch: 178103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-68766-9	HA1-5	Total/NA	Solid	8260B	178127
570-68766-10	HA1-10	Total/NA	Solid	8260B	178127
570-68766-11	HA1-15	Total/NA	Solid	8260B	178127
570-68766-12	HA1-20	Total/NA	Solid	8260B	178127
570-68766-13	HA1-25	Total/NA	Solid	8260B	178127
570-68766-14	HA1-30	Total/NA	Solid	8260B	178127
570-68766-15	HA2-5	Total/NA	Solid	8260B	178127
570-68766-16	HA2-10	Total/NA	Solid	8260B	178127
570-68766-17	HA2-15	Total/NA	Solid	8260B	178127
570-68766-18	HA2-20	Total/NA	Solid	8260B	178127
MB 570-178127/3-A	Method Blank	Total/NA	Solid	8260B	178127
LCS 570-178127/1-A	Lab Control Sample	Total/NA	Solid	8260B	178127
LCSD 570-178127/2-A	Lab Control Sample Dup	Total/NA	Solid	8260B	178127
570-68766-9 MS	HA1-5	Total/NA	Solid	8260B	178127
570-68766-9 MSD	HA1-5	Total/NA	Solid	8260B	178127

### Prep Batch: 178127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-68766-9	HA1-5	Total/NA	Solid	5030C	
570-68766-10	HA1-10	Total/NA	Solid	5030C	
570-68766-11	HA1-15	Total/NA	Solid	5030C	
570-68766-12	HA1-20	Total/NA	Solid	5030C	
570-68766-13	HA1-25	Total/NA	Solid	5030C	
570-68766-14	HA1-30	Total/NA	Solid	5030C	
570-68766-15	HA2-5	Total/NA	Solid	5030C	
570-68766-16	HA2-10	Total/NA	Solid	5030C	
570-68766-17	HA2-15	Total/NA	Solid	5030C	
570-68766-18	HA2-20	Total/NA	Solid	5030C	
MB 570-178127/3-A	Method Blank	Total/NA	Solid	5030C	
LCS 570-178127/1-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 570-178127/2-A	Lab Control Sample Dup	Total/NA	Solid	5030C	
570-68766-9 MS	HA1-5	Total/NA	Solid	5030C	
570-68766-9 MSD	HA1-5	Total/NA	Solid	5030C	

### Analysis Batch: 178574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-68766-19	HA2-25	Total/NA	Solid	8260B	178599
570-68766-20	HA2-30	Total/NA	Solid	8260B	178599
MB 570-178599/3-A	Method Blank	Total/NA	Solid	8260B	178599
LCS 570-178599/1-A	Lab Control Sample	Total/NA	Solid	8260B	178599
LCSD 570-178599/2-A	Lab Control Sample Dup	Total/NA	Solid	8260B	178599
570-68766-20 MS	HA2-30	Total/NA	Solid	8260B	178599
570-68766-20 MSD	HA2-30	Total/NA	Solid	8260B	178599

### Prep Batch: 178599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-68766-19	HA2-25	Total/NA	Solid	5030C	
570-68766-20	HA2-30	Total/NA	Solid	5030C	
MB 570-178599/3-A	Method Blank	Total/NA	Solid	5030C	
LCS 570-178599/1-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 570-178599/2-A	Lab Control Sample Dup	Total/NA	Solid	5030C	

Eurofins Calscience LLC

# QC Association Summary

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## GC/MS VOA (Continued)

### Prep Batch: 178599 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-68766-20 MS	HA2-30	Total/NA	Solid	5030C	
570-68766-20 MSD	HA2-30	Total/NA	Solid	5030C	

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# Lab Chronicle

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

**Client Sample ID: HA1-5**  
**Date Collected: 08/31/21 09:08**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-9**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.18 g	5 mL	178127	09/10/21 11:15	C5SC	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	178103	09/10/21 12:16	U4JL	ECL 2

Instrument ID: GCMSGGG

**Client Sample ID: HA1-10**  
**Date Collected: 08/31/21 09:09**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-10**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.10 g	5 mL	178127	09/10/21 11:15	C5SC	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	178103	09/10/21 15:39	U4JL	ECL 2

Instrument ID: GCMSGGG

**Client Sample ID: HA1-15**  
**Date Collected: 08/31/21 09:14**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-11**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.11 g	5 mL	178127	09/10/21 11:15	C5SC	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	178103	09/10/21 16:05	U4JL	ECL 2

Instrument ID: GCMSGGG

**Client Sample ID: HA1-20**  
**Date Collected: 08/31/21 09:27**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-12**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			4.91 g	5 mL	178127	09/10/21 11:15	C5SC	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	178103	09/10/21 16:30	U4JL	ECL 2

Instrument ID: GCMSGGG

**Client Sample ID: HA1-25**  
**Date Collected: 08/31/21 09:34**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-13**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.14 g	5 mL	178127	09/10/21 11:15	C5SC	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	178103	09/10/21 16:56	U4JL	ECL 2

Instrument ID: GCMSGGG

# Lab Chronicle

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

**Client Sample ID: HA1-30**  
**Date Collected: 08/31/21 09:43**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-14**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.11 g	5 mL	178127	09/10/21 11:15	C5SC	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	178103	09/10/21 17:21	U4JL	ECL 2

Instrument ID: GCMSGGG

**Client Sample ID: HA2-5**  
**Date Collected: 08/31/21 10:30**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-15**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.02 g	5 mL	178127	09/10/21 11:15	C5SC	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	178103	09/10/21 17:47	U4JL	ECL 2

Instrument ID: GCMSGGG

**Client Sample ID: HA2-10**  
**Date Collected: 08/31/21 10:33**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-16**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			4.94 g	5 mL	178127	09/10/21 11:15	C5SC	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	178103	09/10/21 18:12	U4JL	ECL 2

Instrument ID: GCMSGGG

**Client Sample ID: HA2-15**  
**Date Collected: 08/31/21 10:35**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-17**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.16 g	5 mL	178127	09/10/21 11:15	C5SC	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	178103	09/10/21 18:37	U4JL	ECL 2

Instrument ID: GCMSGGG

**Client Sample ID: HA2-20**  
**Date Collected: 08/31/21 10:40**  
**Date Received: 08/31/21 14:17**

**Lab Sample ID: 570-68766-18**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.10 g	5 mL	178127	09/10/21 11:15	C5SC	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	178103	09/10/21 19:03	U4JL	ECL 2

Instrument ID: GCMSGGG

# Lab Chronicle

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

**Client Sample ID: HA2-25**

**Lab Sample ID: 570-68766-19**

**Date Collected: 08/31/21 10:46**

**Matrix: Solid**

**Date Received: 08/31/21 14:17**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.03 g	5 mL	178599	09/13/21 14:03	C5SC	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	178574	09/13/21 15:49	UJHB	ECL 2

Instrument ID: GCMSLL

**Client Sample ID: HA2-30**

**Lab Sample ID: 570-68766-20**

**Date Collected: 08/31/21 10:51**

**Matrix: Solid**

**Date Received: 08/31/21 14:17**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.01 g	5 mL	178599	09/13/21 08:25	C5SC	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	178574	09/13/21 11:04	UJHB	ECL 2

Instrument ID: GCMSLL

### Laboratory References:

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

# Accreditation/Certification Summary

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

## Laboratory: Eurofins Calscience LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2944	09-30-21

- 1
- 2
- 3
- 4
- 5
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# Method Summary

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	ECL 2
5030C	Purge and Trap	SW846	ECL 2

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

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# Sample Summary

Client: Frey Environmental  
Project/Site: 777 Orangethorpe

Job ID: 570-68766-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-68766-9	HA1-5	Solid	08/31/21 09:08	08/31/21 14:17
570-68766-10	HA1-10	Solid	08/31/21 09:09	08/31/21 14:17
570-68766-11	HA1-15	Solid	08/31/21 09:14	08/31/21 14:17
570-68766-12	HA1-20	Solid	08/31/21 09:27	08/31/21 14:17
570-68766-13	HA1-25	Solid	08/31/21 09:34	08/31/21 14:17
570-68766-14	HA1-30	Solid	08/31/21 09:43	08/31/21 14:17
570-68766-15	HA2-5	Solid	08/31/21 10:30	08/31/21 14:17
570-68766-16	HA2-10	Solid	08/31/21 10:33	08/31/21 14:17
570-68766-17	HA2-15	Solid	08/31/21 10:35	08/31/21 14:17
570-68766-18	HA2-20	Solid	08/31/21 10:40	08/31/21 14:17
570-68766-19	HA2-25	Solid	08/31/21 10:46	08/31/21 14:17
570-68766-20	HA2-30	Solid	08/31/21 10:51	08/31/21 14:17

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**Nguyen, Tina**

---

**From:** Deanna Hoppe <DeannaHoppe@freyinc.com>  
**Sent:** Thursday, September 9, 2021 2:58 PM  
**To:** Nguyen, Tina  
**Cc:** Joe Frey; Gilad Ganish; Mack, Elizabeth E.  
**Subject:** Re: Eurofins Calscience report and EDD files from 570-68766-1 777 Orangethorpe

EXTERNAL EMAIL\*

Hello Tina,

Thank you for your time on the phone with us.

Would you please have the following samples analyzed for the full suite of VOCs before the holding time window expires:

HA1-5  
HA1-10  
HA1-15  
HA1-20  
HA1-25  
HA1-30

HA2-5  
HA2-10  
HA2-15  
HA2-20  
HA2-25  
HA2-30

Thank you,

Deanna Hoppe  
Senior Staff Geologist

***FREY Environmental, Inc.***  
[www.freyinc.com](http://www.freyinc.com)  
2817-A Lafayette Avenue  
Newport Beach, CA 92663

cell: (909) 641-4757  
phone: (949) 723-1645



68766



Calscience

7440 Lincoln Way Garden Grove, CA 92841-1427 • (714) 895-5494  
For courier service / sample drop off information contact us26\_sales@eurofinsus.com or call us.

**CHAIN-OF-CUSTODY RECORD**

WO NO. / LAB USE ONLY  
Date: 8/31/21  
Page 2 of 2

LABORATORY CLIENT: **PREY ENVIRONMENTAL, INC.**  
ADDRESS: **2817 A LAFAYETTE AVE.**  
CITY: **NEWPORT BEACH** STATE: **CA** ZIP: **92663**  
TEL: **(949) 723-1645** E-MAIL: **deanna.hoppe@preyinc.com**

CLIENT PROJECT NAME / NO: **777 OrangeThorne**  
PROJECT CONTACT: **DEANNA HOPPE**  
GLOBAL ID:  
LOG CODE:  
SAMPLER(S): (PRINT) **M. BANAH**

REQUESTED ANALYSES  
Please check box or fill in blank as needed

TURNAROUND TIME (Rush surcharges may apply to any TAT not 'STANDARD'):  
 SAME DAY  24 HR  48 HR  72 HR  5 DAYS  STANDARD  
EDD  
 COELT EDF  OTHER

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT	Requested Analyses	
		DATE	TIME			Field Filtered	Preserved
11	HA1-15	8/31/21	9:14	Soil	1	<input type="checkbox"/> TPH(g) <input type="checkbox"/> GRO	<input type="checkbox"/> TPH <input type="checkbox"/> BTEX / MTBE <input type="checkbox"/> 8260 <input type="checkbox"/>
12	HA1-20		9:27			<input type="checkbox"/> VOCs (8260)	<input type="checkbox"/> VOCs (8270) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core
13	HA1-25		9:34			<input type="checkbox"/> Pesticides (8081)	<input type="checkbox"/> PAHs (8270) <input type="checkbox"/> 8270 SIM
14	HA1-30		9:43			<input type="checkbox"/> SVOCs (8270)	<input type="checkbox"/> PCBs (8082)
15	HA2-5		10:30			<input type="checkbox"/> Oxygenates (8260)	<input type="checkbox"/> T22 Metals <input type="checkbox"/> 6010/747X <input type="checkbox"/> 6020/747X
16	HA2-10		10:33			<input type="checkbox"/> Prep (5035) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core	<input type="checkbox"/> Cr(VI) <input type="checkbox"/> 7196 <input type="checkbox"/> 7199 <input type="checkbox"/> 2186
17	HA2-15		10:35				
18	HA2-20		10:40				
19	HA2-25		10:40				
20	HA2-30		10:51				

Received by (Signature/Affiliation): *Yater* Date: 8/31/21 Time: 1417  
 Received by (Signature/Affiliation): \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received by (Signature/Affiliation): \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_



# Login Sample Receipt Checklist

Client: Frey Environmental

Job Number: 570-68766-2

**Login Number: 68766**  
**List Number: 1**  
**Creator: Vitente, Precy**

**List Source: Eurofins Calscience LLC**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



**SOIL VAPOR SAMPLES**



September 3, 2021

Deanna Hoppe  
Frey Environmental, Inc.  
2817-A Lafayette Avenue  
Newport Beach, CA 92663

Dear Deanna:

This letter presents the results of the soil vapor investigation conducted by Optimal Technology (Optimal), for Frey Environmental, Inc. on September 2, 2021. The study was performed at 777 Orangethorpe Ave., Placentia, California.

Optimal was contracted to perform a soil vapor survey at this site to screen for possible chlorinated solvents and aromatic hydrocarbons. The primary objective of this soil vapor investigation was to determine if soil vapor contamination is present in the subsurface soil.

### **Gas Sampling Method**

At each sampling location, an electric vacuum pump set to draw 0.2 liters per minute (L/min) of soil vapor was attached to the existing well and purged prior to sample collection. Vapor samples were obtained in gas-tight syringes by drawing the sample through a luer-lock connection which connects the sampling probe and the vacuum pump. Samples were immediately injected into the gas chromatograph/purge and trap after collection. New tubing was used at each sampling point to prevent cross contamination.

All analyses were performed on a laboratory grade Agilent model 6890N gas chromatograph equipped with an Agilent model 5973N Mass Spectra Detector and Tekmar LSC 3100 Purge and Trap. A Restek column using helium as the carrier gas was used to perform all analysis. All results were collected on a personal computer utilizing Agilent's MS and chromatographic data collection and handling system.

### **Quality Assurance**

#### *5-Point Calibration*

The initial five-point calibration consisted of 20, 50, 100, 200 and 500 ul injections of the calibration standard. A calibration factor on each analyte was generated using a best fit line method using the Agilent data system. If the  $r^2$  factor generated from this line was not greater

than 0.990, an additional five-point calibration would have been performed. Method reporting limits were calculated to be 1-100 micrograms per cubic meter (ug/m<sup>3</sup>) for the individual compounds.

A daily calibration check was performed using a pre-mixed standard supplied by Scotty Analyzed Gases. The standard contained common halogenated solvents and aromatic hydrocarbons (see Table 1). The individual compound concentrations in the standards ranged between 0.025 nanograms per microliter (ng/ul) and 0.25 ng/ul.

**TABLE 1**

Acetone	Benzene	Bromobenzene	Bromochloromethane
Bromodichloromethane	Bromoform	Bromomethane	2-Butanone (MEK)
n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon Tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane
2-Chlorotoluene	4-Chlorotoluene	Cyclohexane	Dibromochloromethane
1,2-Dibromo-3-chloropropane	1,2-Dibromoethane	Dibromomethane	1,2-Dichlorobenzene
1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,2-Dichloroethane
1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene
1,2-Dichloropropane	2,2-Dichloropropane	1,3-Dichloropropane	1,1-Dichloropropene
Ethylbenzene	Freon 113	Hexachlorobutadiene	Isopropylbenzene
p-Isopropyltoluene	Methylene Chloride	4-Methyl-2-Pentanone	Naphthalene
n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane
Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene
1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane
1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride
m/p-Xylene	o-Xylene	Diisopropyl Ether	Ethyl Tert Butyl Ether
MTBE	Tert-Amyl Methyl Ether	Tertiary Butyl Alcohol	Isobutane

#### *Sample Replicates*

A replicate analysis (duplicate) was run to evaluate the reproducibility of the sampling system and instrument. The difference between samples did not vary more than 20%.

#### *Equipment Blanks*

Blanks were run at the beginning of each workday and after calibrations. The blanks were collected using an ambient air sample. These blanks checked the septum, syringe, GC column, GC detector and the ambient air. Contamination was not found in any of the blanks analyzed during this investigation. Blank results are given along with the sample results.

#### *Purge Volume*

The standard purge volume of three volumes was purged in accordance with the July 2015 DTSC/RWQCB Advisory for Active Soil Gas Investigations.

#### *Tracer Gas Leak Test*

A tracer gas was applied to the soil gas probes at each point of connection in which ambient air could enter the sampling system. These points include the top of the sampling probe where the tubing meets the probe connection and the surface bentonite seals. Isobutane was used as the tracer gas. No Isobutane was found in any of the samples collected.

### *Shut-in Test*

A shut-in test was conducted prior to purging or sampling each location to check for leaks in the above-ground sampling system. The system was evaluated to a minimum measured vacuum of 100 inches of water. The vacuum gauge was calibrated and sensitive enough to indicate a water pressure change of at least 0.5 inches.

### **Scope of Work**

To achieve the objective of this investigation a total of 16 vapor samples were collected from 5 locations at the site. Sampling depths, vacuum readings, purge volume and sampling volumes are given on the analytical results page. All the collected vapor samples were analyzed on-site using Optimal's mobile laboratory.

### **Subsurface Conditions**

Subsurface soil conditions offered sampling flows at 0" water vacuum.

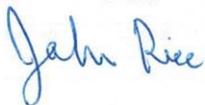
### **Results**

During this vapor investigation, all sixteen samples contained levels of Tetrachloroethene (PCE) ranging from 381 ug/m<sup>3</sup> to 1,107 ug/m<sup>3</sup>. Three samples contained levels of Toluene ranging from 20 ug/m<sup>3</sup> to 33 ug/m<sup>3</sup>. Five samples contained levels of TPH-g ranging from 4,686 ug/m<sup>3</sup> to 12,578 ug/m<sup>3</sup>. None of the other individual compounds listed in Table 1 above were detected above the listed reporting limits. A complete table of analytical results is included with this report.

### **Disclaimer**

All conclusions presented in this letter are based solely on the information collected by the soil vapor survey conducted by Optimal Technology. Soil vapor testing is only a subsurface screening tool and does not represent actual contaminant concentrations in either the soil and/or groundwater. We enjoyed working with you on this project and look forward to future projects. If you have any questions, please contact me at (877) 764-5427.

Sincerely,



John Rice  
Project Manager















## CHAIN OF CUSTODY FORM

Site Name/Number Site Address Company Name	PO# / Project Ref#
Contact Person(s):	Phone#
Email:	
Comments:	

				TESTS REQUIRED (please mark with an "X")			
Sample Identification	Sampling Device	Date Collected	Time Collected	Soil Gas Mod 8260B	Soil Gas Mod 8021B	Soil Gas Mod 8015	Notes
BLANK-1	Syringe	9/2/21	7:00 AM	x			
SV-1-5	Syringe	9/2/21	7:27 AM	x			
SV-1-5 Dup	Syringe	9/2/21	7:27 AM	x			
SV-1-15	Syringe	9/2/21	8:15 AM	x			
SV-1-30	Syringe	9/2/21	8:36 AM	x			
SV-2-5	Syringe	9/2/21	8:57 AM	x			
SV-2-15	Syringe	9/2/21	9:18 AM	x			
SV-2-30	Syringe	9/2/21	9:39 AM	x			
HA-1-5	Syringe	9/2/21	10:00 AM	x			
HA-1-15	Syringe	9/2/21	10:21 AM	x			
HA-1-30	Syringe	9/2/21	10:42 AM	x			
HA-2-5	Syringe	9/2/21	11:03 AM	x			
HA-2-15	Syringe	9/2/21	11:24 AM	x			
HA-2-30	Syringe	9/2/21	11:45 AM	x			
SV-3-5	Syringe	9/2/21	12:06 PM	x			
SV-3-15	Syringe	9/2/21	12:27 PM	x			
SV-3-30	Syringe	9/2/21	12:48 PM	x			

Collected & Tested by:  <div style="text-align: center; font-family: cursive; font-size: 1.2em; color: blue;">John Rice</div>
---

## **APPENDIX F**

### **CONCEPTUAL SITE MODEL RECEPTOR NETWORK**

## CONCEPTUAL SITE MODEL RECEPTOR NETWORK

