



**RECEIVED**  
 By Alameda County Environmental Health 8:15 am, May 09, 2016

**Transmittal**

Date: 5/6/2016 Reference No.: 311806

---

To: Mr. Mark Detterman  
 Alameda County Environmental Health  
 1131 Harbor Bay Parkway, Suite 250  
 Alameda, California 94502

---

Subject: Former Chevron Service Station 93322 – ACEH CASE RO# 0274

No. of Copies	Description/Title	Drawing No./ Document Ref.	Issue
1	Site Investigation Report and Updated Site Conceptual Model		

Issued for:  Your information  As requested  Construction  Quotation  
 Your approval/comments  Returned to you  For re-submission

Sent by:  Overnight courier  Same day courier  Other - Geotracker  Mail enclosed

Remarks:

Please call Nathan Lee at (925) 849-1003 if you have any questions.

Copy to: \_\_\_\_\_ Ms. Mark Horne  
 (electronic copy)

Completed by: Nathan Lee  
 [Please Print]

Signed: Nathan Lee

Filing: Correspondence File



**Mark Horne**  
Project Manager  
Marketing Business Unit

**Chevron Environmental  
Management Company**  
6001 Bollinger Canyon Road  
San Ramon, CA 94583  
Tel (925) 842-0973  
Fax (925) 549-1441  
markhorne@chevron.com

Alameda County Environmental Health (ACEH)  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

Re: Chevron Service Station No. 93322  
7225 Bancroft Avenue  
Oakland, CA

I have reviewed the attached report titled *Site Investigation Report and Updated Site Conceptual Model*.

The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by GHD formerly Conestoga-Rovers & Associates, upon whose assistance and advice I have relied.

This letter is submitted pursuant to the requirements of California Water Code Section 13267(b)(1) and the regulating implementation entitled Appendix A pertaining thereto.

I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge.

Sincerely,

A handwritten signature in blue ink that reads "Mark E. Horne".

Mark Horne  
Project Manager

Attachment: *Site Investigation Report and Updated Site Conceptual Model*



# Site Investigation Report and Updated Site Conceptual Model

Former Chevron Service Station 93322  
7225 Bancroft Avenue  
Oakland, California  
Alameda County Environmental Health RO# 0274

Chevron Environmental Management Company

2300 Clayton Road Suite 920 Concord California 94520 USA  
311806 | 2015.3 | 04.05 | Report No 28 | May 6, 2016



# Site Investigation Report and Updated Site Conceptual Model

Former Chevron Service Station 93322  
7225 Bancroft Avenue  
Oakland, California  
Alameda County Environmental Health RO# 0274



A handwritten signature in blue ink that reads 'Nathan Lee'.

Nathan Lee, PG 8486

2300 Clayton Road Suite 920 Concord California 94520 USA

311806 | 2015.3 | 04.05 | Report No 28 | May 6, 2016



# Table of Contents

1.	Introduction .....	1
2.	Site Background .....	1
2.1	Site Description .....	1
2.2	Previous Environmental Work .....	1
2.3	Site Geology .....	2
2.4	Site Hydrogeology.....	2
3.	Subsurface Investigation .....	2
3.1	Site-Specific Health and Safety Plan .....	2
3.2	Permits .....	2
3.3	Utility Clearance .....	2
3.4	Drilling .....	3
3.5	Soil Borings .....	3
3.6	Soil Sampling .....	3
3.7	Groundwater Sampling .....	3
3.8	Soil Vapor Sampling .....	4
3.9	Chemical Analysis.....	4
3.10	Waste Disposal .....	5
4.	Updated Site Conceptual Model.....	5
4.1	Petroleum Hydrocarbon Source Areas .....	5
4.2	Light Non-Aqueous Phase Liquid .....	5
4.3	Petroleum Hydrocarbon Distribution in Soil .....	6
4.4	Petroleum Hydrocarbon Distribution in Groundwater .....	6
4.5	Petroleum Hydrocarbon Distribution in Soil Vapor .....	7
4.6	Sensitive Receptors .....	8
4.7	Preferential Pathway Study.....	9
4.8	Storm Drain.....	9
4.9	Sanitary Sewer.....	9
4.10	Water.....	9
4.11	Electrical.....	9
4.12	Natural Gas.....	10
4.13	Communication .....	10
4.14	Preferential Pathway Conclusions .....	10
5.	Conclusions/Data Gaps and Recommendations.....	10
5.1	Conclusions and Data Gaps .....	10
5.2	Recommendations .....	11
6.	Work Plan for Additional Subsurface Investigation .....	11

6.1	Permits .....	11
6.2	Site Specific Health and Safety Plan .....	11
6.3	Utility Location and Clearance .....	11
6.4	Groundwater Monitoring Well Installation .....	11
6.5	Soil Sampling .....	12
6.6	Well Development and Sampling .....	12
6.7	Chemical Analysis .....	12
6.8	Waste Disposal .....	12
6.9	Reporting .....	13
7.	Closing .....	13

## Figure Index

Figure 1	Vicinity Map
Figure 2	Site Plan
Figure 3	Geologic Cross Section A-A'
Figure 4	Geologic Cross Section B-B'
Figure 5	Groundwater Elevation Map
Figure 6	Maximum TPHg Concentrations in Soil – 0 to 5 fbg
Figure 7	Maximum TPHg Concentrations in Soil – >5 to 10 fbg
Figure 8	Maximum TPHg Concentrations in Soil – >10 to 15 fbg
Figure 9	Maximum TPHg Concentrations in Soil – >15 to 30 fbg
Figure 10	Maximum Benzene Concentrations in Soil – 0 to 5 bg
Figure 11	Maximum Benzene Concentrations in Soil – >5 to 10 fbg
Figure 12	Maximum Benzene Concentrations in Soil – >10 to 15 fbg
Figure 13	Maximum Benzene Concentrations in Soil – >15 to 30 fbg
Figure 14	TPHg Concentrations in Groundwater
Figure 15	Benzene Concentrations in Groundwater
Figure 16	MTBE Concentrations in Groundwater
Figure 17	Water Supply Well Location Map
Figure 18	Sensitive Receptor Map ½ Mile Radius
Figure 19	Utility Location Map
Figure 20	Proposed Boring Locations

## Table Index

Table 1	Cumulative Soil Analytical Data
Table 2	Soil Analytical Data – Metals
Table 3	Soil Analytical Data – Semi-Volatile Organic Compounds (SVOCs)
Table 4	Grab Groundwater Analytical Data
Table 5	Groundwater Monitoring and Sampling Data
Table 6	Monitoring Well Construction Detail
Table 7	Cumulative Soil Vapor Analytical Data

## Appendices

Appendix A	Regulatory Correspondence
Appendix B	As-Builts
Appendix C	Summary of Environmental Investigation and Remediation
Appendix D	Boring Logs
Appendix E	Permits
Appendix F	Standard Field Procedures
Appendix G	Laboratory Analytical Reports
Appendix H	Soil Vapor Sampling Data Sheets
Appendix I	Utility Maps and Report

# 1. Introduction

GHD Services Inc. (GHD) (formerly Conestoga-Rovers & Associates [CRA]) has prepared this Site Investigation Report and Updated Site Conceptual Model for Former Chevron Service Station 93322 on behalf of Chevron Environmental Management Company (EMC). The investigation was conducted to address data gaps identified in CRA's Focused Site Conceptual Model and Data Gap Investigation dated October 1, 2014. The investigation results are summarized below and have been incorporated into the updated SCM contained herein. The investigation was conditionally approved by Alameda County Environmental Health (ACEH) as outlined in correspondence between CRA and ACEH included in Appendix A.

The investigation involved further assessment of soil and groundwater conditions in the areas surrounding the underground storage tanks (USTs) and monitoring well MW-1. An additional evaluation of soil vapor concentrations in existing vapor probes was conducted. In addition to advancing seven soil borings, collecting soil and grab-groundwater samples from the borings, collecting soil vapor samples from three of four existing soil vapor probes, GHD conducted a sensitive receptor survey and a preferential pathway survey. Presented below are the site background, site geology, investigation results, updated site conceptual model (SCM), conclusions and recommendations. A work plan addressing additionally identified data gaps is incorporated herein.

# 2. Site Background

## 2.1 Site Description

The site is an active Valero branded service station located at the northwest corner of Bancroft Avenue and 73<sup>rd</sup> Avenue in Oakland, California (Figure 1). Surrounding land use is mixed residential and commercial, consisting primarily of residences to the northwest, west and south, and the Eastmont Mall and a former Union 76 branded service station located across Bancroft Avenue to the northeast.

The stations current configuration has been unchanged since approximately 1987 and consists of three 10,000-gallon USTs, five dispenser islands, a small food market building, and an additional building housing restrooms and/or storage (Figure 2). In 1976, the station consisted of one 10,000-gallon UST, one 7,500-gallon UST, one 5,000-gallon UST, two dispenser islands, a kiosk and a station building, as shown on a 1976 as-built site plan (Appendix B).

## 2.2 Previous Environmental Work

The site has been an open environmental case since 1996 under ACEH jurisdiction (Fuel Leak Case Number RO0000274 and GeoTracker Global ID T0600102079). To date, a total of 10 monitoring wells have been installed, 12 soil borings have been advanced, 4 soil vapor probes have been installed, and 12 confirmatory samples have been collected (Figure 2). Groundwater monitoring and sampling has been ongoing since 1998. Remedial activities have included over-excavation of soil during product piping removal and replacement, and surfactant injection and extraction. A summary of previous environmental investigation and remediation is included in Appendix C.

## 2.3 Site Geology

Sediments in the vicinity consist of Holocene and Pleistocene alluvial fan deposits underlain by Franciscan Formation bedrock. Soils encountered beneath the site generally consist of clays, silts, clayey sands, clayey gravels, silty sands, silty gravels, and well graded gravels to approximately 36 feet below grade (fbg). Soil boring logs are included in Appendix D and geologic cross-sections are presented as Figures 3 and 4.

## 2.4 Site Hydrogeology

The site is located in the East Bay Plain Subbasin of the Santa Clara Groundwater Basin. The cumulative aquifer thickness in the vicinity is approximately 1,000 feet, consisting of unconsolidated sediments<sup>1</sup>. Groundwater in the region has been designated as potentially beneficial for commercial, industrial, and residential uses<sup>2</sup>. The site elevation is approximately 37 feet above mean sea level. Topography is relatively flat and slopes gradually towards the San Francisco Bay, approximately 2 miles to the west. Depth to groundwater historically ranged on an average from approximately 10 to 20 fbg. Groundwater flows predominantly to the northwest. The closest surface body is Arroyo Viejo located approximately 0.25 miles to the southeast.

# 3. Subsurface Investigation

Subsurface investigation involved further assessment of soil and groundwater conditions in the areas of the USTs and monitoring well MW-1, and further evaluation of soil vapor concentrations in existing vapor probes. GHD advanced seven soil borings (SB-7 through SB-13) and collected soil and grab-groundwater samples for laboratory analysis. Soil vapor samples were collected for laboratory analysis from existing vapor probes VP-1, VP-3 and VP-4. Field activities are summarized below.

## 3.1 Site-Specific Health and Safety Plan

GHD performed all work under the guidelines set forth in a comprehensive site-specific health and safety plan. The plan was reviewed and signed by all site workers and visitors, and kept onsite at all times.

## 3.2 Permits

GHD obtained Alameda County Public Works Agency (ACPWA) drilling permit W2015-0400, City of Oakland excavation permits X1501156, and X1600022, and City of Oakland obstruction permits OB1500503 and OB1600022, and City of Oakland traffic control permit TSD-15-0228. All permits are included in Appendix E.

## 3.3 Utility Clearance

Prior to drilling, GHD contacted Underground Service Alert (USA) to mark existing underground utilities near the proposed boring locations. GHD contracted NORCAL Geophysical Consultants,

---

<sup>1</sup> State of California Department of Water Resources, California's Groundwater Bulletin 118, February 27, 2004

<sup>2</sup> California Regional Water Quality Control Board San Francisco Bay Region (RWQCB-SF), Water Quality Control Plan (Basin Plan) for the San Francisco Bay Basin, January 18, 2007, Table 2-2 Existing and Potential Beneficial Uses in Groundwater in Identified Basins.

Inc. (NORCAL) of Cotati, California, to verify underground utility locations. A metal detector, tracer cable, electronic line location equipment, and ground penetrating radar (GPR) were used by NORCAL to determine utility locations. Additionally, each boring location was hand cleared using a hand auger to 8 fbg to further ensure no underground utilities existed.

### 3.4 Drilling

Between February 16 and 18, 2016, Vapor Tech Services (VTS) of Hayward, California (C-57 License #916085) was contracted to advance seven soil borings. GHD personnel managed the drilling under the supervision of California Professional Geologist Nathan Lee, PG 8486. GHD's Standard Field Procedures for Soil Boring and Monitoring Well Installation is presented in Appendix F.

### 3.5 Soil Borings

Following the borehole clearance to 8 fbg, borings SB-7 through SB-13 were advanced using direct-push technology (DPT) to approximately 30 fbg (Figure 2). After each boring was completed, the borings were backfilled with Portland Type II/V cement. Boring logs are included in Appendix D.

An eighth soil boring, which was proposed in the area of a suspected former used-oil UST, was not advanced. During a geophysical survey NORCAL identified a GPR anomaly adjacent to the proposed boring location. To further assess the GPR anomaly, GHD obtained both the station's current and historic as-built drawings, presented in Appendix B. The current as-built drawing concurs with the underground utility lines found during the geophysical survey, but does not provide any evidence of a structure at this location. The historic 1976 as-built drawing shows a pay booth, not a used-oil UST, in the proposed boring location. The pay booth has since been removed, and the GPR anomaly is likely the former pay booth's remaining footing. There is also no evidence of a used-oil UST or a service bay on the as-built drawings. There is mention of a waste oil sump on the as-built, but there is no evidence as to the nature of the waste oil sump or where it may have been located. As there is no record of a used-oil UST at this location, GHD eliminated the proposed boring in this area.

### 3.6 Soil Sampling

Soil samples were collected at 3 fbg, 5 fbg, and at 5-foot intervals starting at 10 fbg to the total depth explored. Soil samples above 8 fbg were collected using a slide hammer lined with 6-inch stainless steel tubes. Soil was continuously logged using the American Society for Testing and Materials (ASTM) D2488-06 Unified Soil Classification System (USCS) and screened using a photo ionization detector (PID). Samples collected for analysis were capped with Teflon® tape and plastic end caps. All samples were properly sealed, labeled, preserved on ice, logged on chain-of-custody forms, and released to Eurofins Lancaster Laboratories (Eurofins) of Lancaster, Pennsylvania for analysis.

### 3.7 Groundwater Sampling

GHD collected grab-groundwater samples from soil borings SB-8, SB-9, and SB-11 using a hydropunch and a peristaltic pump to dispense the groundwater into laboratory provided containers. Originally it was proposed to analyze the grab groundwater samples for polycyclic aromatic hydrocarbons (PAHs), but the sampling containers taken to the field did not have the capacity to provide the required amount of groundwater for the samples to be analyzed for PAHs. All samples

were properly sealed, labeled, preserved on ice, logged on chain-of-custody forms, and released to Eurofins for analysis.

### 3.8 Soil Vapor Sampling

On February 25, 2016, GHD collected vapor samples from VP-1, VP-3, and VP-4 using 100 percent laboratory certified 1-liter Summa™ canisters. Water was encountered in vapor probe VP-2 and was not sampled. Prior to collecting each sample, a closed circuit sampling train was created by attaching the sample Summa™ canister in series with the purge Summa™ canister via a steam-cleaned stainless-steel manifold. A “shut-in” test was performed prior to connecting the sampling equipment to the vapor probe tubing. This test was performed by sealing all openings to ambient air, opening the purge Summa™ canister to establish a vacuum inside the sampling train, and waiting to ensure the vacuum remained stable over time. The “shut-in” test reduces the potential for ambient air to dilute the soil vapor samples. Once the sampling train passed the “shut-in” test, it was connected to the probe tubing.

Using the same flow rate as is used during sampling, approximately three purge volumes were purged from the sampling tubing using the purge pump before sampling began. While sampling, the Summa™ canister’s vacuum was used to draw the soil vapor through the flow controller until a negative pressure of approximately 5 inches of mercury (in Hg) was observed on the vacuum gauge. In accordance with the Department of Toxic Substances Control (DTSC) Advisory – Active Soil Gas Investigation guidance document, dated July 2015, leak testing was performed during sampling using laboratory grade helium. The vapor probe vault, probe tubing, and entire sampling train was enclosed in a rigid shroud. A helium meter kept inside the shroud indicated a helium concentration inside the shroud was maintained above 30 percent helium. All Summa™ canister samples were labeled, logged on a chain-of-custody form, stored at ambient temperature, and shipped to Eurofins Air Toxics, Inc. (EATI) of Folsom, California for analysis.

The vapor probes were also sampled for naphthalene simultaneously using sorbent tubes by Environmental Protection Agency (EPA) Method TO-17. The sampling train consisted of a sorbent tube attached to the vapor probe using unions and fittings. A disposable syringe was then attached to the sorbent tube to allow for vapor to be pulled through the sorbent tube. The syringe pulls the air into the sorbent tube until the desired volume has been collected. Approximately 200 milliliters of vapor was collected for each sorbent tube sample.

GHD’s Standard Field Procedures for Soil Vapor Probe Installation and Sampling is presented in Appendix F. Soil vapor sampling data sheets are presented in Appendix G.

### 3.9 Chemical Analysis

Soil samples were analyzed for the following:

- Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015M
- Benzene, toluene, ethylbenzene, and xylenes (BTEX) and methyl tert-butyl ether (MTBE) by EPA Method 8260B
- 16 priority pollutant PAHs by EPA 8270 SIM

- Naphthalene, acenaphthene, acenaphthylene, anthracene, phenanthrene, fluorene, chrysene, fluoranthene, pyrene, benzo(b)fluoranthene, benzo(a)pyrene, benzo(k)fluoranthene, benzo(a)anthracene, indeno(1,2,3-c,d)pyrene, dibenz(a,h)anthracene, and benzo(g,h,i)perylene

Groundwater samples were analyzed for the following:

- TPHg by EPA Method 8015M
- BTEX and MTBE by EPA Method 8260B

Soil vapor samples were analyzed for the following:

- TPHg, BTEX, MTBE, and naphthalene by EPA Method TO-15
- Naphthalene by EPA Method TO-17
- Oxygen, carbon dioxide, nitrogen, methane, and helium by ASTM Method D-1946 (GC/TCD)
- Air-phase petroleum hydrocarbon (APH) fractions (Sp) aromatics C8-C12 by modified EPA Method TO-15 GC/MS Full Scan
- APH fractions (Sp) aliphatics C5-C12 by modified EPA Method TO-15 GC/MS Full Scan

Soil, groundwater, and soil gas laboratory analytical reports are included in Appendix H.

### 3.10 Waste Disposal

Soil cuttings were temporarily stored onsite in sealed and labeled Department of Transportation (DOT) approved 55-gallon drums. On April 5, 2016, 2 drums were transported by Belshire Environmental Services, Inc. of Foothill Ranch, California to Waste Management Inc., Altamont Landfill located in Livermore, California for disposal.

## 4. Updated Site Conceptual Model

### 4.1 Petroleum Hydrocarbon Source Areas

The potential sources of petroleum hydrocarbons include the former dispenser islands near well MW-1 and the former USTs.

### 4.2 Light Non-Aqueous Phase Liquid

Historically, light non-aqueous phase liquid (LNAPL) was observed in monitoring well MW-1 starting in June 1999 and was detected intermittently with a maximum thickness of 0.74 feet during subsequent monitoring and sampling events through October 2007. No measurable LNAPL has been detected in MW-1 since November 2007, until 0.09 feet of LNAPL was observed in September 2015. No LNAPL was observed in MW-1 during the subsequent sampling event in December 2015.

The primary constituents of concern (COCs) are TPHg, benzene, and MTBE. Secondary COCs include toluene, ethylbenzene, and xylenes. Hydrocarbon concentrations in soil and groundwater are shown on Figures 3 through 16. Cumulative soil, groundwater, and soil gas data are presented in Tables 1 through 7.



### 4.3 Petroleum Hydrocarbon Distribution in Soil

Based on the distribution, hydrocarbons in soil appear to have originated from the former fuel dispensers and former USTs. The distribution of hydrocarbons at various depth intervals are shown on Figures 6 through 13.

To date, 51 soil samples have been collected between 0 and 10 fbg and none of those exceeded Low-Threat Underground Storage Tank Case Closure Policy (LTCP) Table 1<sup>3</sup> criteria for direct exposure on a commercial property, volatilization to outdoor air on a commercial property or for direct exposure risk for utility workers. The highest hydrocarbon concentrations detected in soil are between 15 and 30 fbg. Soil samples analyzed for PAHs were below LTCP commercial and utility worker direct exposure criteria. Cumulative soil data are presented in Tables 1 through 3. Laboratory analytical reports for soil are included in Appendix H.

### 4.4 Petroleum Hydrocarbon Distribution in Groundwater

Groundwater monitoring and sampling has been ongoing since 1998. Currently, wells MW-2, MW-3, and MW-7 through MW-10 are sampled semi-annually and wells MW-1 and MW-4 through MW-6 are sampled quarterly. The most recent groundwater analytical results for TPHg, BTEX, and MTBE in groundwater monitoring wells collected in September and December 2015 are summarized in Table 4.2 below and shown on Figures 14 through 16. Cumulative monitoring and sampling data are presented in Table 5. Monitoring well construction details are included in Table 6.

Grab-groundwater analytical data associated with soil borings SB-8, SB-9 and SB-11 sampled in February 2106 are presented in Table 4 and are included on Figures 14 through 16.

---

<sup>3</sup> State Water Control Board Resolution No. 2012-006, Low-Threat Underground Storage Tank Closure Policy (LTP), California State Water Resources Control Board, August 17, 2012.

Table 4.2 Hydrocarbon Concentrations in Groundwater

	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
Well ID	Concentrations in micrograms per liter (µg/L)					
WQO	100	1	40	13	20	5
MW-1	<b>84,000<sup>b</sup></b>	<b>7,800<sup>b</sup></b>	<b>5,200<sup>b</sup></b>	<b>2,200<sup>b</sup></b>	<b>10,000<sup>b</sup></b>	--
MW-2	<b>5,200<sup>b</sup></b>	0.6 J <sup>b</sup>	<0.5 <sup>b</sup>	<b>15<sup>b</sup></b>	3 <sup>b</sup>	--
MW-3	<b>16,000<sup>a</sup></b>	<b>1,300<sup>a</sup></b>	<b>49<sup>a</sup></b>	<b>360<sup>a</sup></b>	<b>140<sup>a</sup></b>	<b>130<sup>a</sup></b>
MW-4	<b>150<sup>b</sup></b>	<0.5 <sup>b</sup>	<0.5 <sup>b</sup>	0.6 J <sup>b</sup>	3 <sup>b</sup>	--
MW-5	<b>200<sup>a</sup></b>	<0.5 <sup>a</sup>	<0.5 <sup>a</sup>	<0.5 <sup>a</sup>	<0.5 <sup>a</sup>	<0.5 <sup>a</sup>
MW-6	<b>1,200<sup>b</sup></b>	<b>230<sup>b</sup></b>	<5 <sup>b</sup>	<5 <sup>b</sup>	<5 <sup>b</sup>	--
MW-7	<b>3,700<sup>b</sup></b>	<b>1,100<sup>b</sup></b>	19 <sup>b</sup>	<b>23<sup>b</sup></b>	<b>210<sup>b</sup></b>	<b>37<sup>b</sup></b>
MW-8	<b>450<sup>b</sup></b>	0.9 J <sup>b</sup>	<0.5 <sup>b</sup>	<0.5 <sup>b</sup>	<0.5 <sup>b</sup>	<0.5 <sup>b</sup>
MW-9	<50 <sup>a</sup>	<0.5 <sup>a</sup>	<0.5 <sup>a</sup>	<0.5 <sup>a</sup>	<0.5 <sup>a</sup>	<b>8<sup>a</sup></b>
MW-10	<50 <sup>a</sup>	<0.5 <sup>a</sup>	<0.5 <sup>a</sup>	<0.5 <sup>a</sup>	<0.5 <sup>a</sup>	2 <sup>a</sup>
<b>bold</b>	Concentrations detected at or above WQO					
WQO	Water Quality Objective (Regional Water Quality Control Board, San Francisco Bay Region (RWQCB), Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Interim Final 2016)					
--	No Analyzed					
a	Sampled September 23, 2015					
b	Sampled December 29, 2015					
J	Estimated value ≥ the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)					

The residual dissolved-phase hydrocarbon in groundwater extends across the site's majority with the highest concentrations in wells MW-1, MW-2, MW-3 and boring SB-9 near the presumed source areas. The dissolved-phase hydrocarbon distribution is illustrated on Figures 14 through 16. The extent of dissolved hydrocarbons in groundwater is adequately defined except to the southwest and northwest.

Originally the grab groundwater samples were proposed to be sampled for PAHs. As there were only low concentrations of PAHs detected in some soil samples (Table 3) and there was never a used oil UST present, as explained in Section 3.5, there is no evidence that would suggest that there would be PAHs in groundwater.

#### 4.5 Petroleum Hydrocarbon Distribution in Soil Vapor

Soil vapor samples were collected in February 2016 from soil vapor probes VP-1, VP-3, and VP-4, screened from 5 to 6.5 fbg. Vapor probe VP-2 was not sampled during this event due to water in the tubing. The table below presents the maximum concentrations detected at each vapor probe location at a depth where the LTCP direct measurement of soil gas concentrations applies. Cumulative soil vapor sampling data are presented in Table 7.

Table 4.3 Maximum Benzene and Ethylbenzene Concentrations in Soil Vapor at 5 feet deep

	Benzene ( $\mu\text{g}/\text{m}^3$ )	Ethylbenzene ( $\mu\text{g}/\text{m}^3$ )	Naphthalene ( $\mu\text{g}/\text{m}^3$ )
LTCP – Soil Gas – Scenario 4, Oxygen <4% – Residential	<85	<1,100	<93
LTCP – Soil Gas – Scenario 4, Oxygen <4% – Commercial	<280	<3,600	<310
LTCP – Soil Gas – Scenario 4, Oxygen >4% – Residential	85,000	1,100,000	<93,000
LTCP – Soil Gas – Scenario 4, Oxygen >4% – Commercial	280,000	3,600,000	<310,000
VP-1 (02/25/2016; 1.6% O <sub>2</sub> )	11	<5.3	<5.0
VP-2	Not Sampled	Not Sampled	Not Sampled
VP-3 (02/25/2016; 19% O <sub>2</sub> )	<3.4	<4.6	6.6
VP-4 (02/25/2016; 1.6% O <sub>2</sub> )	<520	<700	<5.0
VP-4 (DUP) (02/25/2016; 1.6% O <sub>2</sub> )	<520	<700	<5.0

#### 4.6 Sensitive Receptors

A well survey within a 2,000-foot radius was conducted by requesting records from the Department of Water Resources (DWR) and ACPWA. Thirty-five wells were identified within the search area. Of these, six were cathodic protection wells and one was an industrial well, however the industrial well is listed as abandoned. These wells are presented as Figure 17. Of the remaining twenty-eight wells, twenty were identified as monitoring wells, four as test wells, three as observation wells, and one as an extraction well. No domestic or municipal water supply wells were identified within the search area.

The nearest surface water body is Arroyo Creek located approximately 0.25-mile southeast (up-gradient). Based on the distance and direction, the surface water body relative to the onsite dissolved hydrocarbons, Arroyo Creek does not appear at risk of being affecting.

The site is located in a mixed residential and commercial area. Residential structures are located northwest, west, southwest and southeast. Two single family homes are located adjacent to the northwestern (downgradient) property boundary. The homes appear to have been constructed with a crawl space. There are indications that the northeastern home was constructed with a crawl space, however, visual inspection could not conclusively verify the construction type. Due to the residences proximity, GHD completed a soil vapor assessment in February 2016. The results are discussed in Section 4.7.

GHD completed a search for other potential sensitive receptors within a ½-mile radius of the site, including schools, childcare centers, hospitals, and eldercare centers. The nearest school is Markham Elementary School and is located approximately 300 west-southwest (cross-gradient). Mary's Child Care is located approximately 850 feet south (up-gradient) and Norma's Child Care

Center is located approximately one half mile northwest (between cross- and down-gradient). The locations are presented on Figure 18.

#### 4.7 Preferential Pathway Study

GHD conducted a preferential pathway study to evaluate potential conduits for migration of dissolved hydrocarbons from the site. GHD contacted individual utility companies and local agencies to acquire plans of subsurface utilities in the vicinity. Pacific Gas & Electric (PG&E), East Bay Municipal Utility District (EBMUD), and the City of Oakland provided their maps of underground facilities. GHD notified USA to have the utility companies mark their utility locations and contracted NORCAL to verify and locate any utilities onsite. NORCAL's May 22, 2015 and January 12, 2016 reports and maps are included as Appendix I. The approximate locations of all known utilities are presented as Figure 19. Major utilities in the area include electric, natural gas, water, communication, storm drain, and sanitary sewer lines.

#### 4.8 Storm Drain

Storm drain information was obtained from City of Oakland figures. A 27-inch storm drain line is located beneath Bancroft Avenue to the northeast, and extends towards the southeast; the base of the storm drain is approximately 6 fbg. A 6-foot diameter concrete culvert extends towards the southwest beneath 73rd Avenue and the base is approximately 6 fbg. Additional information on the backfill material was not available.

#### 4.9 Sanitary Sewer

Sanitary sewer information was obtained from City of Oakland figures. An 18-inch sanitary sewer line extends towards the southwest beneath 73rd Avenue and has a base at a depth of approximately 8 fbg. An 8-inch sanitary sewer line extends towards the southeast beneath Halliday Avenue and has a depth of approximately 8 fbg. Additional information on the sanitary sewer line pipe construction and backfill materials were not available.

#### 4.10 Water

Information regarding the water utility was obtained from East Bay Municipal Utility District (EBMUD) and during the geophysical survey. The Sequoia Aqueduct, a 48-inch diameter steel pipe with mortar and cement lining, and an insulating overcoat coating is approximately 10 fbg adjacent to the site, and extends beneath Bancroft Avenue. The aqueduct does dip in elevation to approximately 18 fbg near the intersection of Bancroft Avenue and 73<sup>rd</sup> Avenue. Two water lines extend beneath 73<sup>rd</sup> Avenue, to the southeast. One line is a 24-inch diameter steel pipe with an insulating lining and coating, and the other line is an 8-inch diameter cast iron pipe. A 6-inch cast iron water line extends beneath Halliday Avenue. The station building connects to the water line that extends beneath Halliday Avenue. Additional information on backfill materials and pipe depths were unavailable, unless noted.

#### 4.11 Electrical

Information related to the electrical utility was obtained from PG&E and during the geophysical survey. Onsite electrical connects to an overhead electrical line located on the southwest corner on Halliday Avenue. Underground electrical lines connect the pump islands, USTs and other site features (lights and signs). An electrical line not identified on PG&E's map was located beneath the

northern sidewalk along 73rd Avenue. Information associated with line depth, construction, and backfill materials was not available.

#### 4.12 Natural Gas

Information associated with the natural gas utility was obtained from PG&E, USA markings and field observations during the geophysical survey. A 4-inch diameter plastic natural gas line runs beneath 73rd Avenue. A 2-inch diameter plastic natural gas line runs beneath Halliday Avenue. Information associated with gas line depths and backfill materials were not available.

#### 4.13 Communication

Communication utility information was obtained from USA markings and the geophysical survey. No telecommunication lines were marked adjacent to or on the site. In addition, no communication lines were detected during the geophysical survey, although there were several undifferentiated utility lines detected onsite. Information associated with telecommunication line depth, construction, and backfill materials were not available.

#### 4.14 Preferential Pathway Conclusions

Based on historic groundwater monitoring and sampling data, depth to groundwater has been measured between approximately 5 and 22 fbg, but generally fluctuates between 10 to 20 fbg. Based on regional construction practices for utilities, it is unlikely that water, electrical, natural gas, or telecommunication utilities would have been installed deeper than 10 fbg. The water line located in Bancroft Avenue does drop to 18 fbg; however, this is (up-gradient). Sanitary sewer and storm drain lines in the area are between 6 to 8 fbg and unlikely to serve as preferential pathways since these utilities are above the typical depth to groundwater.

## 5. Conclusions/Data Gaps and Recommendations

### 5.1 Conclusions and Data Gaps

The following conclusions can be made based on the recent site investigation results and site conditions outlined in the updated SCM presented above:

- The highest total petroleum hydrocarbon concentrations detected in soil are between 15 and 30 fbg. The maximum concentrations were 4,400 mg/kg TPHg and 16 milligrams per kilograms (mg/kg) benzene at 29.5 fbg in SB-13.
- Concentrations in soil reported during the recent site investigation or previous site assessments, do not exceed direct exposure limits for soils within 10 fbg, as outlined in the Low-Threat Underground Storage Tank Case Closure Policy (LTCP) Table 1.3. Therefore, no direct exposure pathway health risks exist.
- The maximum dissolved hydrocarbons detected in grab-groundwater samples were in SB-9, located near the former USTs, at concentrations of 17,000 µg/L TPHg and 1,400 micrograms per liter (µg/L) benzene, suggesting the former USTs may be a source of dissolved hydrocarbons in addition to the former dispensers/product lines.
- Dissolved hydrocarbons in groundwater are not fully delineated in the downgradient direction northwest of MW-6 or in the area around SB-9.

- With the exception of 0.09 feet of LNAPL observed in MW-1 in September 2015, no measurable LNAPL had been reported for approximately 8 years. No LNAPL was observed in MW-1 during the subsequent sampling event in December 2015.
- Soil vapor concentrations reported in onsite vapor probes do not exceed the Scenario 4 LTCP criteria for residential and commercial land use, suggesting there appears to be no potential risk to the adjacent residences. Additional vapor sampling will be conducted to verify these conditions.
- Based on visual inspections, the adjacent property has two residential structures. The structure closest to Halliday Avenue is constructed with a crawl space. Based on visual inspections, GHD was unable to determine how the second structure was constructed.
- No likely preferential pathways were noted given the utilities depth and typical depth to groundwater.
- No domestic wells were identified within 0.5-mile radius of the site.

## 5.2 Recommendations

Based on the above conclusions and data gaps, the following work is recommended:

- Collect additional vapor samples from the existing soil vapor probes.
- Further assess groundwater conditions downgradient and in the area of SB-9.

# 6. Work Plan for Additional Subsurface Investigation

Based on the recent assessment, GHD recommends installing two groundwater monitoring wells, one in the area of boring SB-9 and downgradient on Halliday Avenue to assess current groundwater conditions and to further delineate dissolved hydrocarbons (Figure 20).

## 6.1 Permits

GHD will obtain drilling permits from Alameda County Public Works Agency and encroachment permits from the City of Oakland.

## 6.2 Site Specific Health and Safety Plan

GHD will prepare a site-specific health and safety plan to protect site workers. The plan will be reviewed and signed by all site workers and visitors and remain onsite during all field activities.

## 6.3 Utility Location and Clearance

GHD will contact Underground Service Alert (USA) to coordinate location of subsurface utilities no less than 48 hours prior to the start of field activities. GHD will subcontract a licensed geophysicist to confirm the locations of underground utilities. In accordance with Chevron and GHD safety standards, a hand auger will be utilized to clear the locations to a depth of 8 fbg.

## 6.4 Groundwater Monitoring Well Installation

To assess dissolved hydrocarbons in groundwater GHD will install two monitoring wells as shown on Figure 20. The well boring will be advanced using 8-inch outside diameter hollow stem augers

to approximately 35 fbg with an approximate screened interval of 25 to 35 fbg. However, the screen interval may be modified based on field observation of water levels encountered during drilling activities. The monitoring wells will be constructed using 2-inch diameter Schedule 40 PVC with a 0.020-inch slotted screen. The well screen will be surrounded by a sand pack consisting of #2/12 sand to approximately 2 feet above the top of the screened interval. Two feet of hydrated bentonite will be placed above the sand pack. Portland II/V cement will be placed above the bentonite to approximately 1 fbg. A traffic rated well vault will be placed on the surface and will match the existing grade. A licensed land surveyor will survey the top-of-casing elevations and well locations. GHD's Standard Field Procedure for Soil Boring and Monitoring Well Installation is presented in Appendix E.

## 6.5 Soil Sampling

GHD will collect soil samples at 3 fbg and at 5 fbg and 5-foot intervals thereafter to total depth. Soil samples will also be collected at the soil/groundwater interface, at obvious changes in soil types, and where hydrocarbon indications are observed to the total depth explored. Soils will be logged using the ASTM D2488-06 Unified Soil Classification System. The 3 fbg and 5 fbg samples will be collected using a slide hammer lined with clean stainless steel sleeves. Soil samples beyond 5 feet will be collected using a direct-push sampler, lined with polyethylene sampling tubes. Soil samples will be screened using a PID and all PID measurements will be recorded on the boring log. Samples will be sealed, labeled, logged on a chain-of-custody, placed on ice, and transported to a Chevron and California State-approved laboratory for analysis.

## 6.6 Well Development and Sampling

The well will be developed using standard surge agitation and pumping. The wells will be developed no sooner than 72 hours after installation and will be sampled at least 48 hours after well development is complete.

## 6.7 Chemical Analysis

Select soil and groundwater samples will be analyzed for the following with a standard turnaround time of 10 working days:

- TPHg by EPA Method 8015.
- BTEX, MTBE, and naphthalene by EPA Method 8260B (groundwater will not be analyzed for naphthalene).

## 6.8 Waste Disposal

Soil cuttings and rinsate water generated during well installation will be placed in DOT approved drums, labeled appropriately, and temporarily stored onsite. The waste will be transported by licensed waste haulers to a Chevron-approved, California licensed disposal facility following the receipt of an analytical profile.

## 6.9 Reporting

Upon completion of field activities and review of the analytical results, GHD will prepare a report incorporating all available data that, at a minimum, will contain:

- Description of the drilling and sampling
- Soil boring and well logs
- Tabulated soil analytical results
- Analytical reports and chain-of-custody forms
- Waste disposal details
- Updated figures if needed
- Conclusions and recommendations, including a data gap work plan, if needed

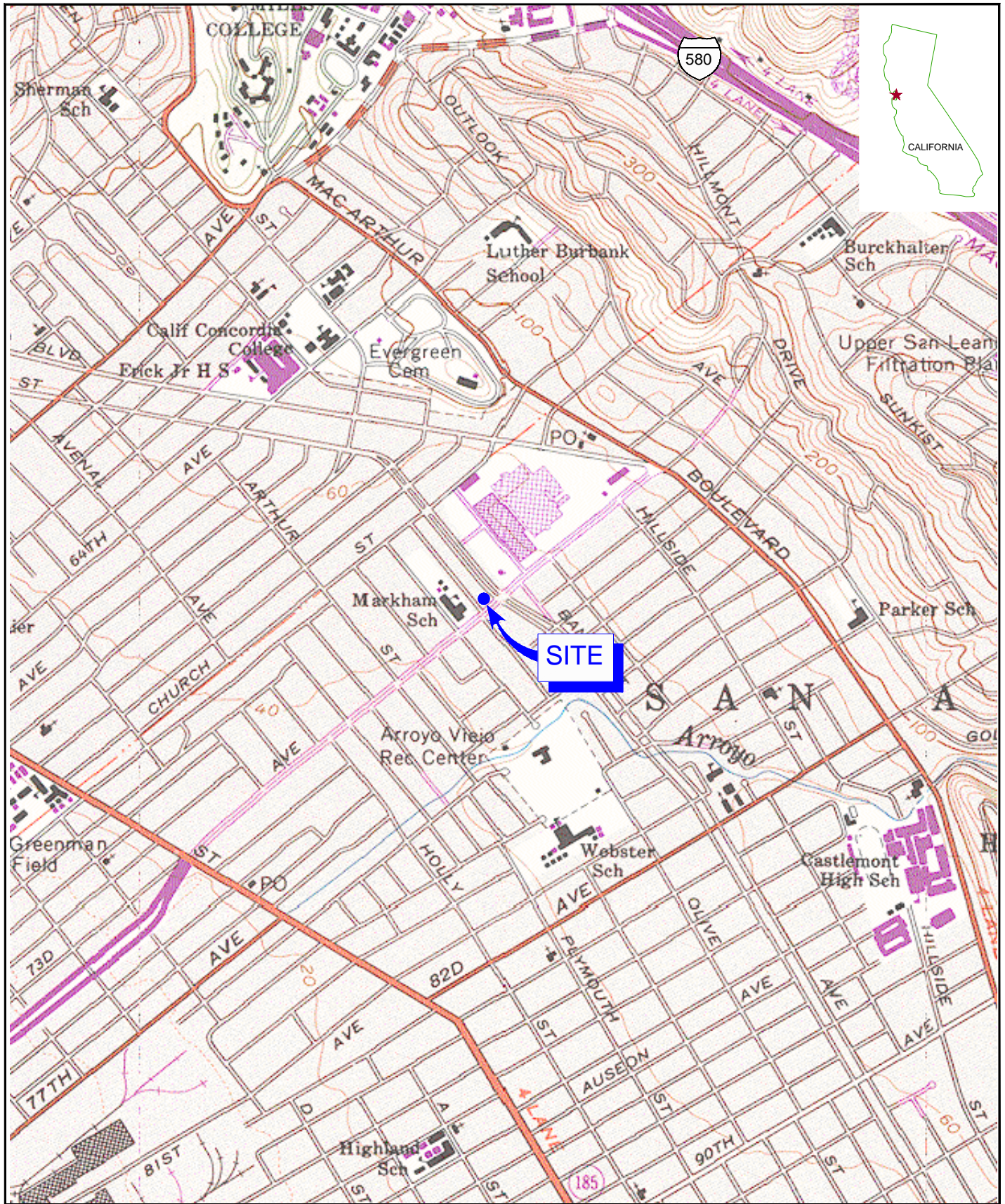
## 7. Closing

GHD will proceed with the proposed scope of work upon receipt of written approval from ACEH. GHD will then obtain all required drilling permits and schedule the subcontractors at their earliest availability.



# Figures





SOURCE: TOPO MAPS



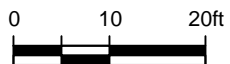
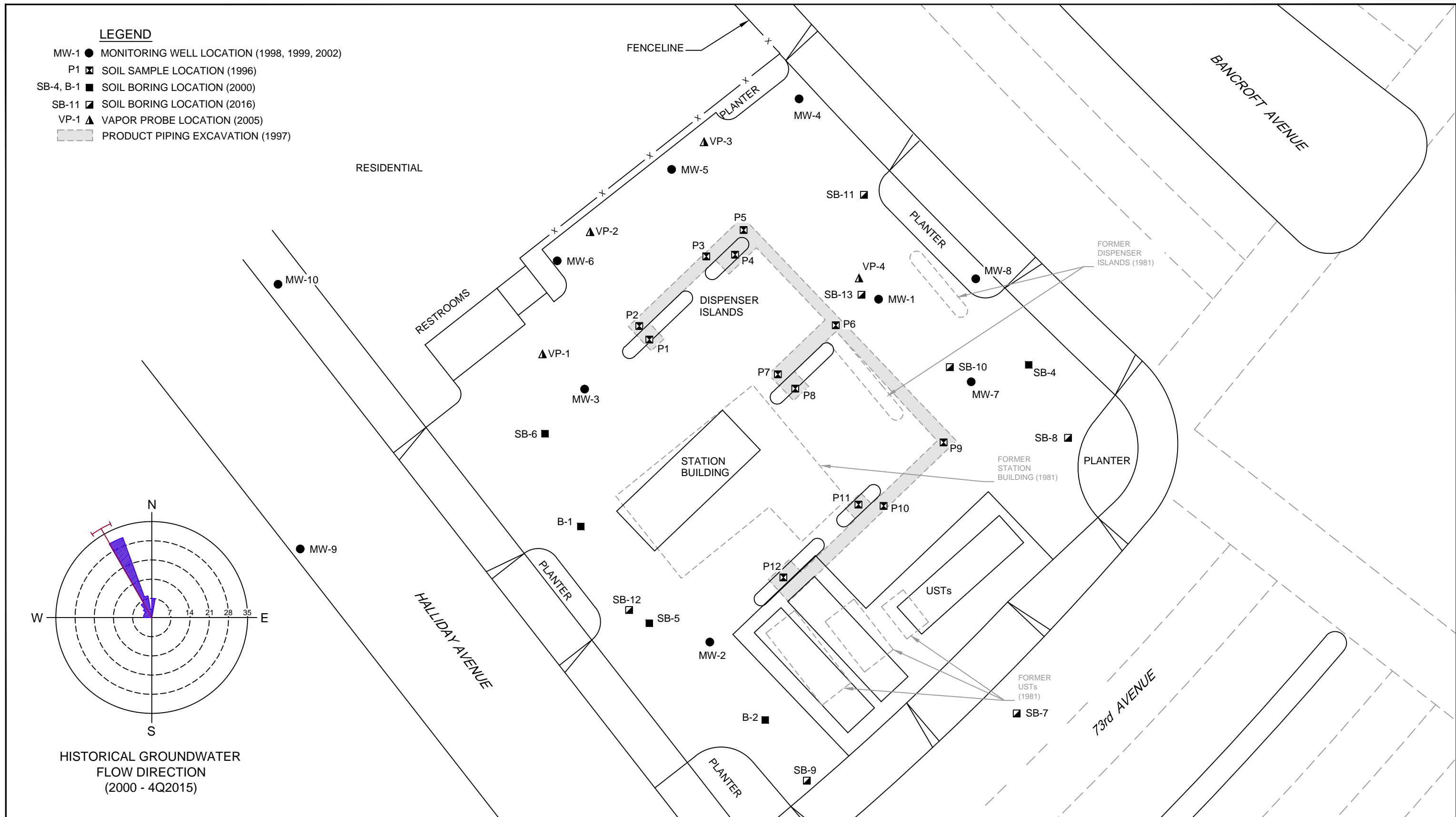
FORMER CHEVRON SERVICE STATION 93322  
 7225 BANCROFT AVENUE  
 OAKLAND, CALIFORNIA

311806  
 Mar 22, 2016

VICINITY MAP

Figure 1



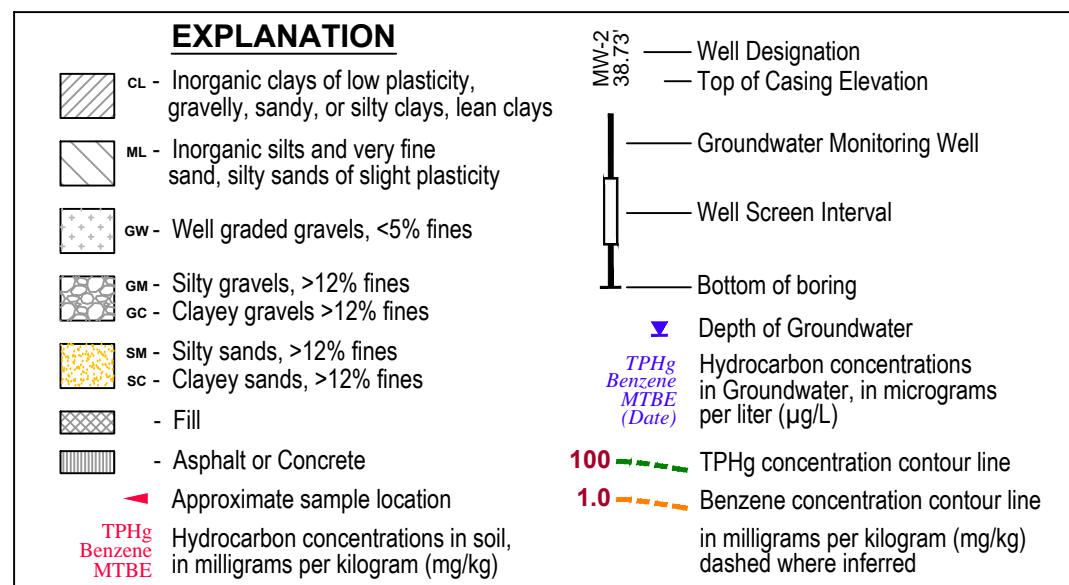
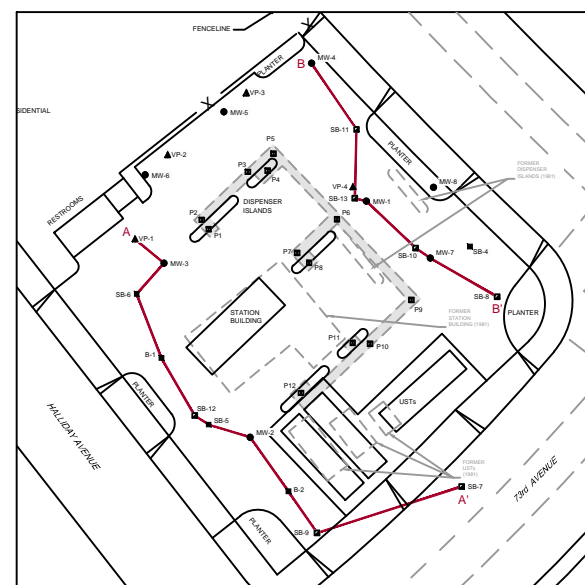
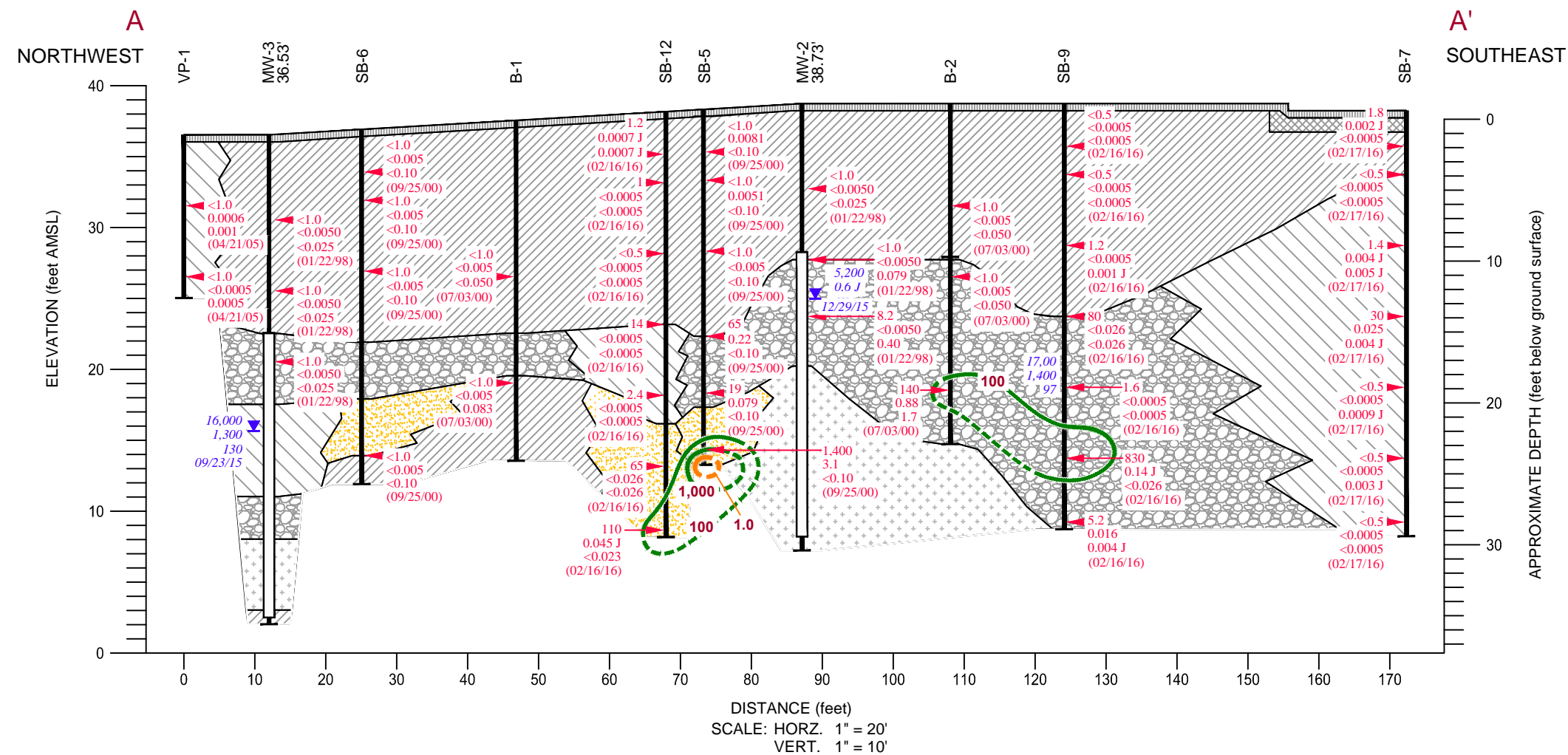


FORMER CHEVRON SERVICE STATION 93322  
 7225 BANCROFT AVENUE  
 OAKLAND, CALIFORNIA

SITE PLAN

311806  
 Apr 13, 2016

Figure 2

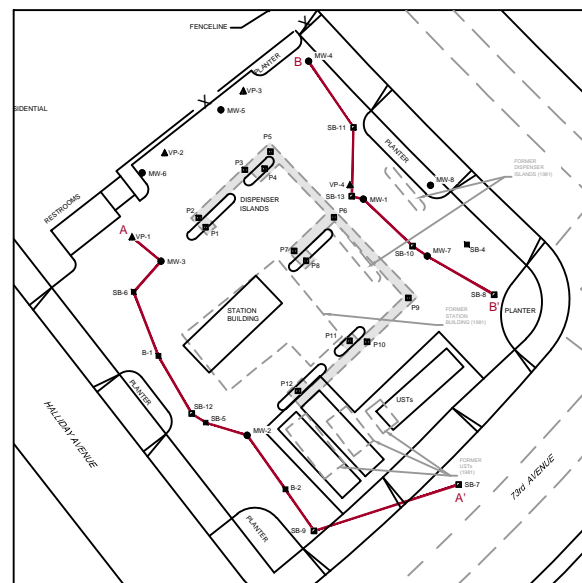
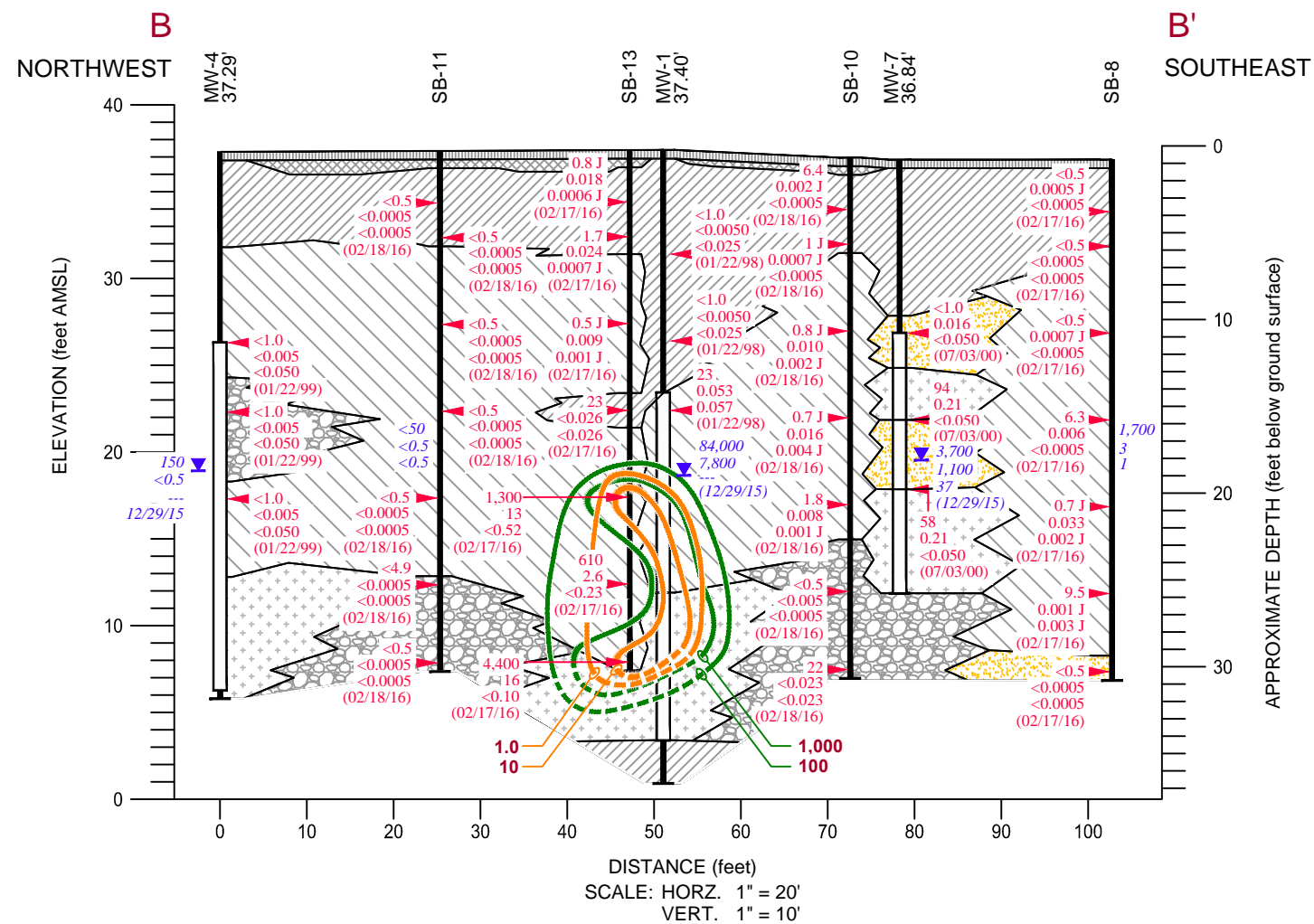


FORMER CHEVRON SERVICE STATION 93322  
7225 BANCROFT AVENUE  
OAKLAND, CALIFORNIA

GEOLOGIC CROSS SECTION A-A'

311806  
Apr 13, 2016

Figure 3



**EXPLANATION**

- CL - Inorganic clays of low plasticity, gravelly, sandy, or silty clays, lean clays
- ML - Inorganic silts and very fine sand, silty sands of slight plasticity
- GW - Well graded gravels, <math><5\%</math> fines
- GM - Silty gravels, >12% fines
- GC - Clayey gravels >12% fines
- SM - Silty sands, >12% fines
- SC - Clayey sands, >12% fines
- Fill
- Asphalt or Concrete
- Approximate sample location
- TPHg, Benzene, MTBE - Hydrocarbon concentrations in soil, in milligrams per kilogram (mg/kg)
- MW-2 38.73 - Well Designation
- Top of Casing Elevation
- Groundwater Monitoring Well
- Well Screen Interval
- Bottom of boring
- Depth of Groundwater
- TPHg, Benzene, MTBE (Date) - Hydrocarbon concentrations in Groundwater, in micrograms per liter ( $\mu\text{g/L}$ )
- 100 - TPHg concentration contour line in milligrams per kilogram (mg/kg) dashed where inferred
- 1.0 - Benzene concentration contour line in milligrams per kilogram (mg/kg) dashed where inferred

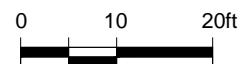
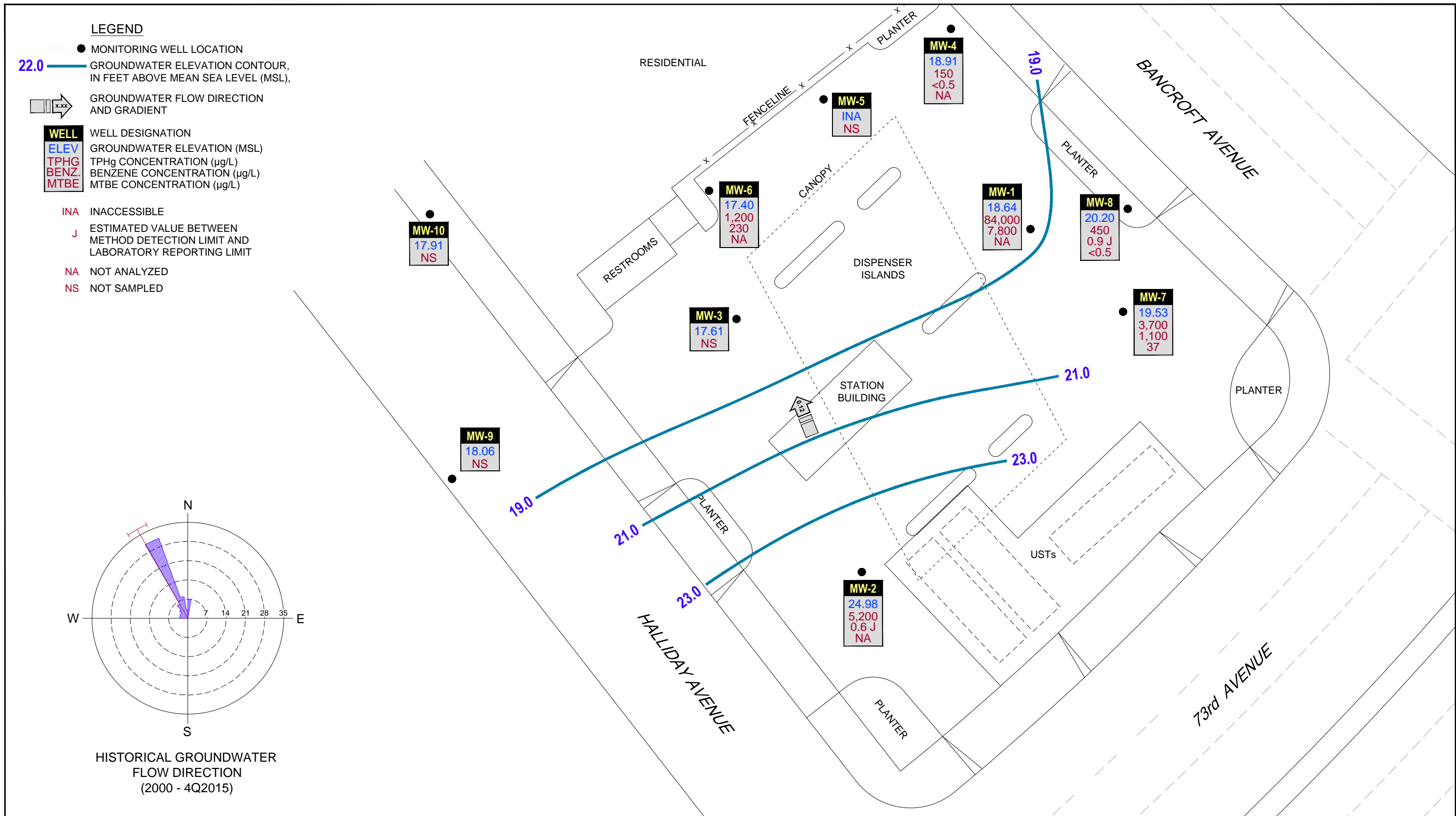


FORMER CHEVRON SERVICE STATION 93322  
7225 BANCROFT AVENUE  
OAKLAND, CALIFORNIA

GEOLOGIC CROSS SECTION B-B'

311806  
Apr 14, 2016

Figure 4

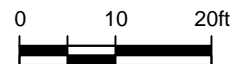
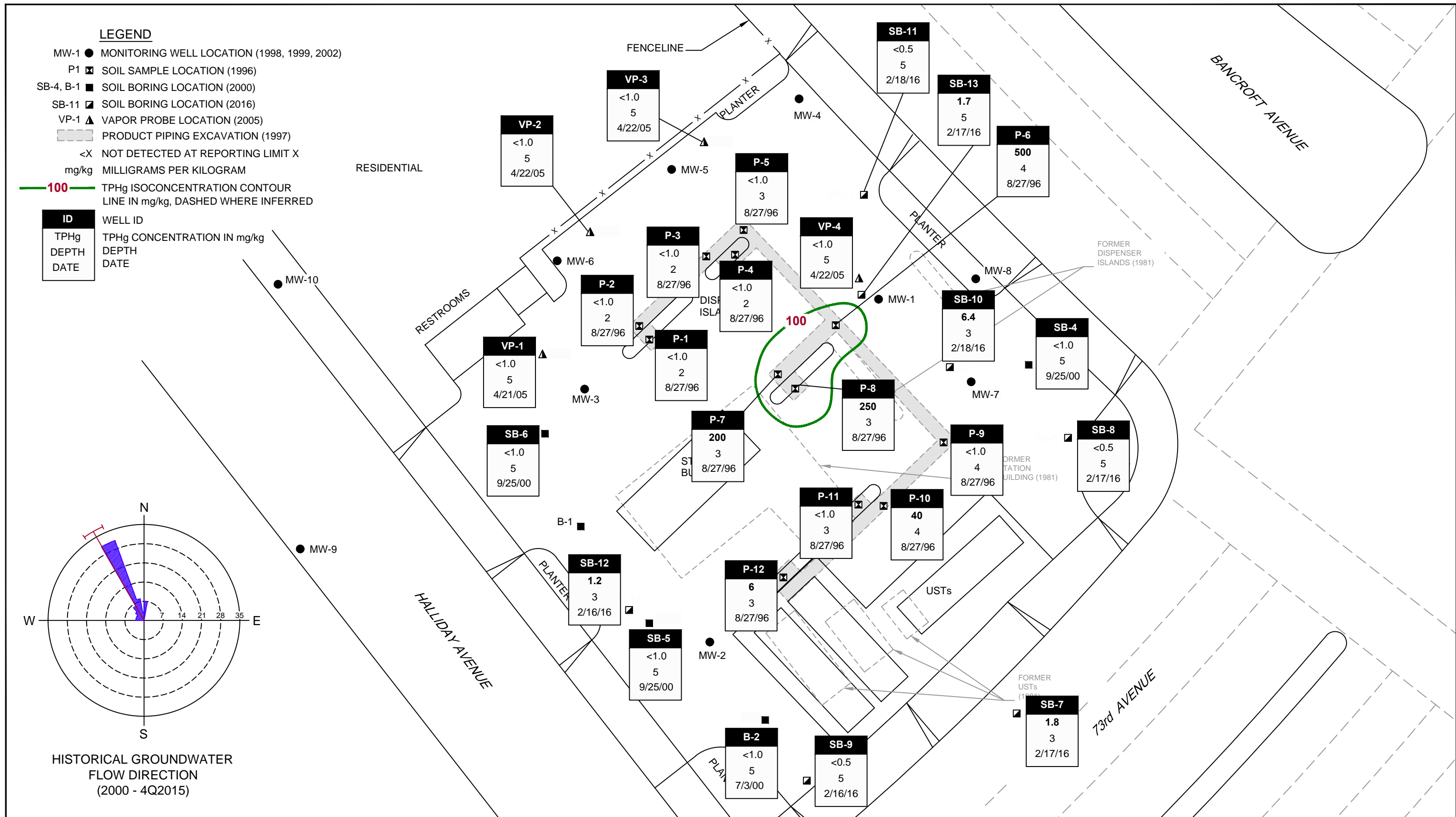


FORMER CHEVRON SERVICE STATION 93322  
 7225 BANCROFT AVENUE  
 OAKLAND, CALIFORNIA  
**GROUNDWATER ELEVATION CONTOUR AND  
 HYDROCARBON CONCENTRATION MAP - DECEMBER 29, 2015**

311806-95  
 Apr 13, 2016

Figure 5

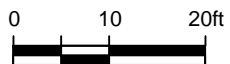
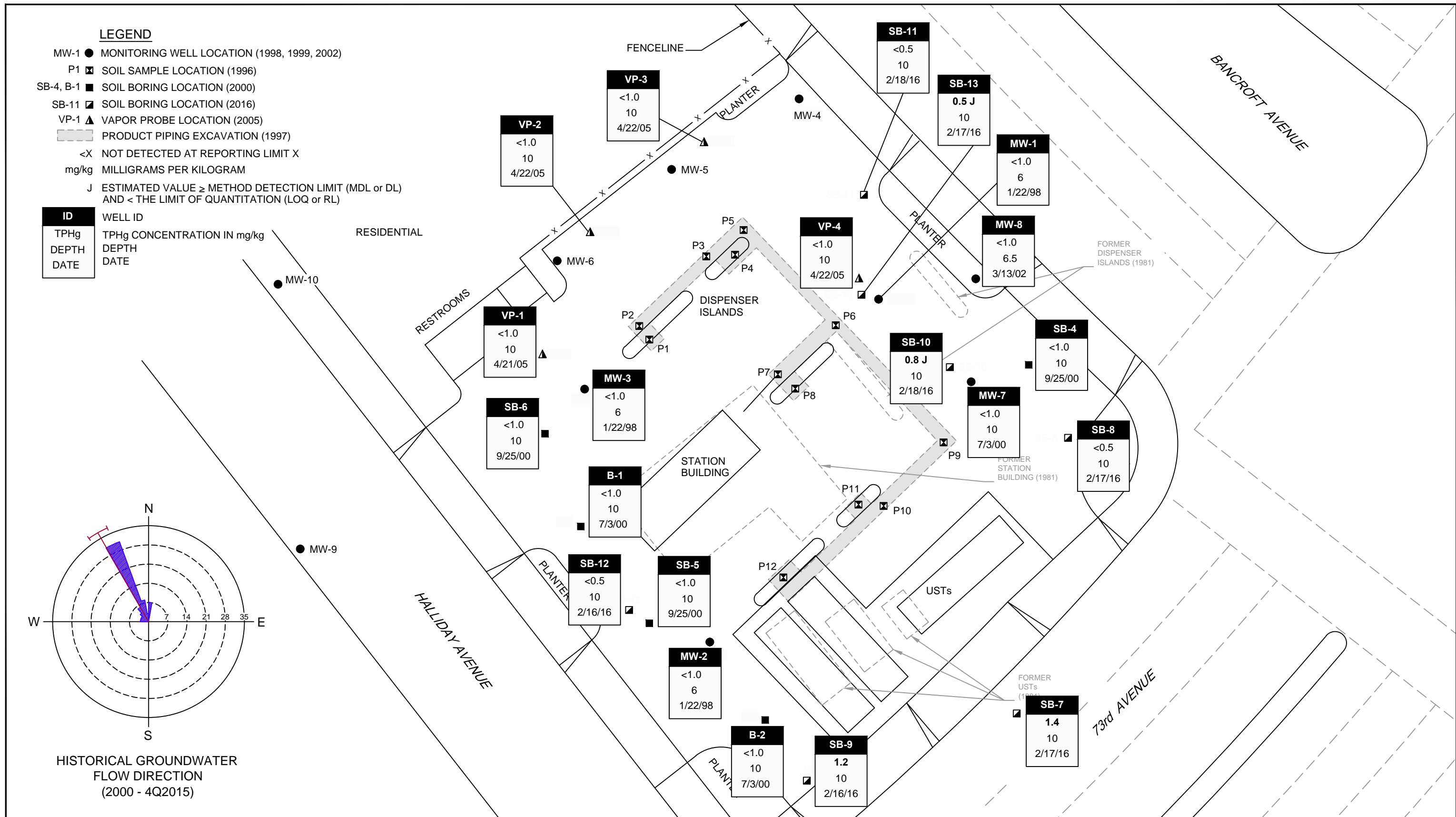




FORMER CHEVRON SERVICE STATION 93322  
 7225 BANCROFT AVENUE  
 OAKLAND, CALIFORNIA  
**MAXIMUM TPHg CONCENTRATION  
 IN SOIL - 0 to 5 FBG**

311806  
 Apr 13, 2016

Figure 6

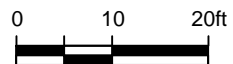
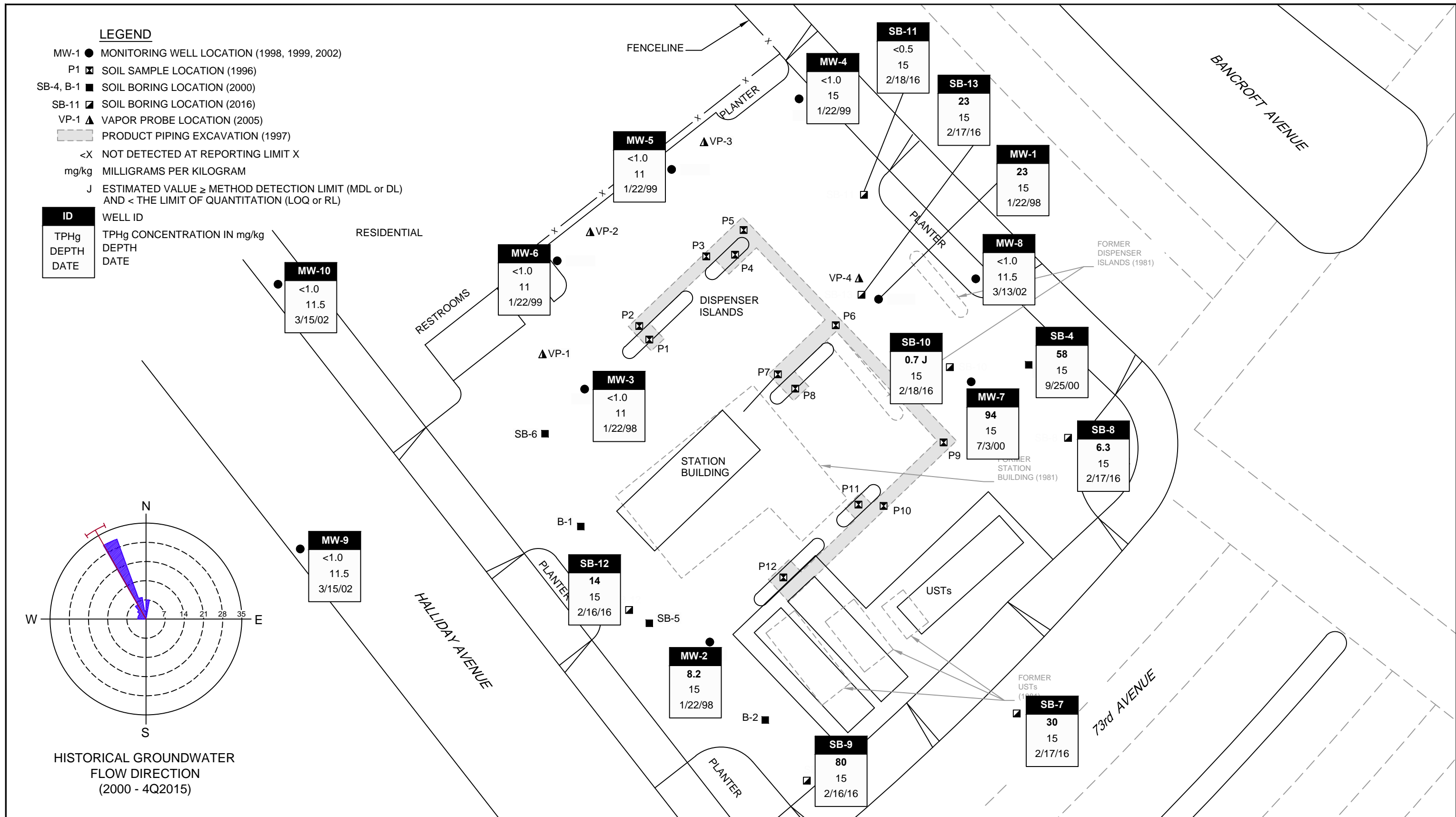


FORMER CHEVRON SERVICE STATION 93322  
 7225 BANCROFT AVENUE  
 OAKLAND, CALIFORNIA  
**MAXIMUM TPHg CONCENTRATION  
 IN SOIL - >5 to 10 FBG**

311806  
 Apr 13, 2016

Figure 7

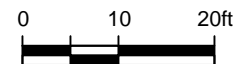
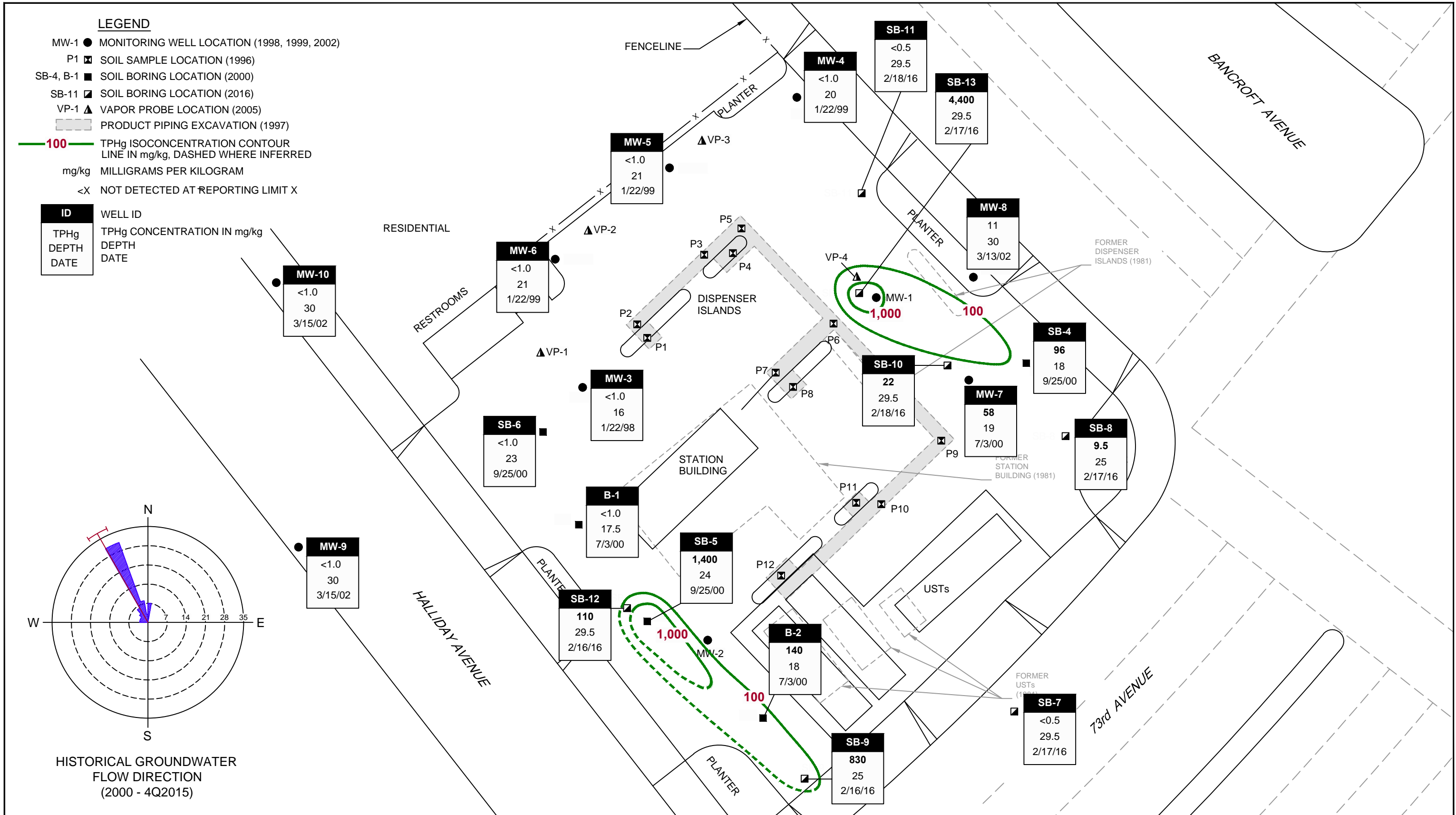




FORMER CHEVRON SERVICE STATION 93322  
 7225 BANCROFT AVENUE  
 OAKLAND, CALIFORNIA  
**MAXIMUM TPHg CONCENTRATION  
 IN SOIL - >10 to 15 FBG**

311806  
 Apr 13, 2016

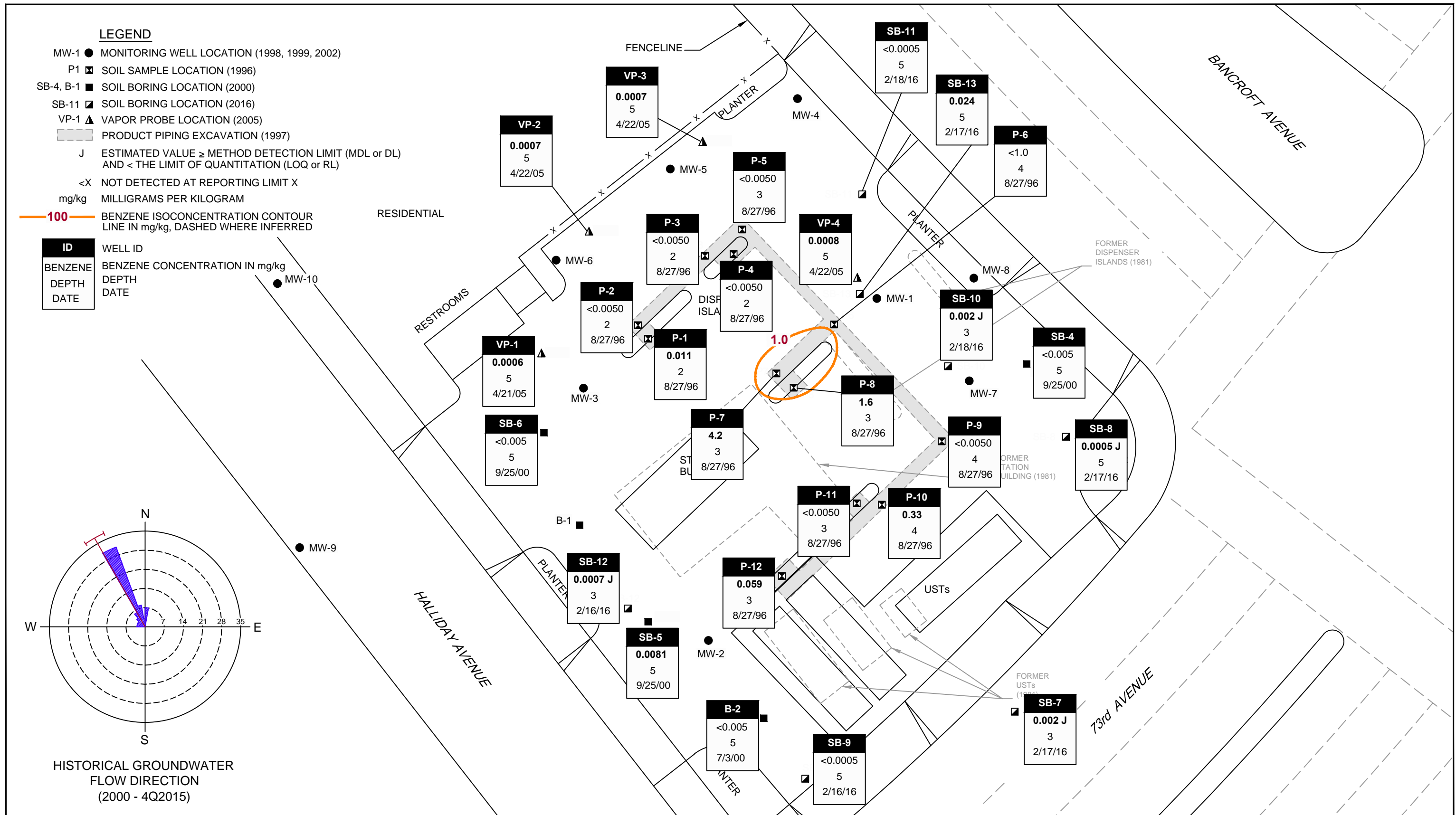
Figure 8



FORMER CHEVRON SERVICE STATION 93322  
 7225 BANCROFT AVENUE  
 OAKLAND, CALIFORNIA  
 MAXIMUM TPHg CONCENTRATION  
 IN SOIL - >15 to 30 FBG

311806  
 Apr 15, 2016

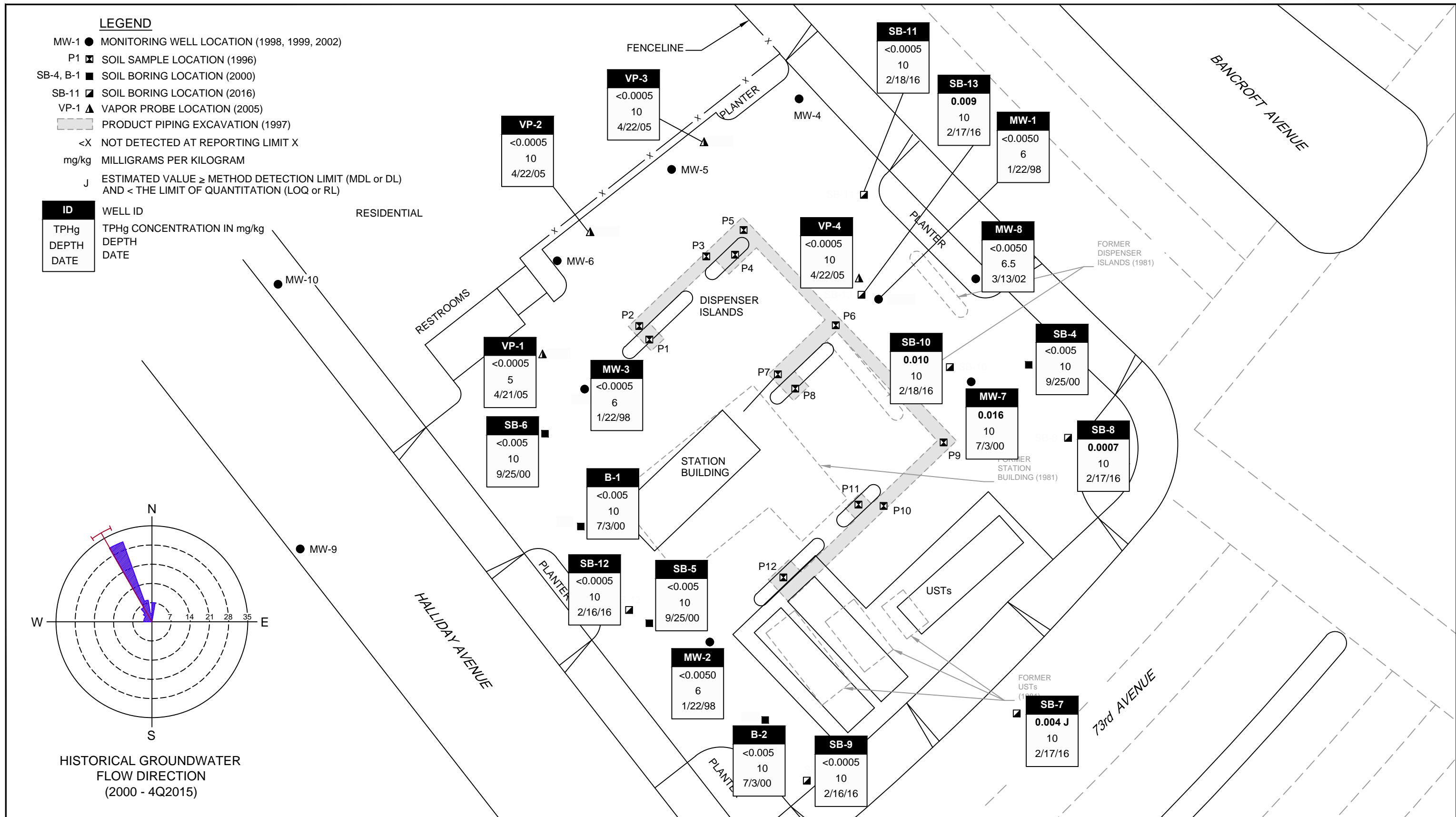
Figure 9



FORMER CHEVRON SERVICE STATION 93322  
 7225 BANCROFT AVENUE  
 OAKLAND, CALIFORNIA  
 MAXIMUM BENZENE CONCENTRATION  
 IN SOIL - 0 to 5 FBG

311806  
 Apr 4, 2016

Figure 10

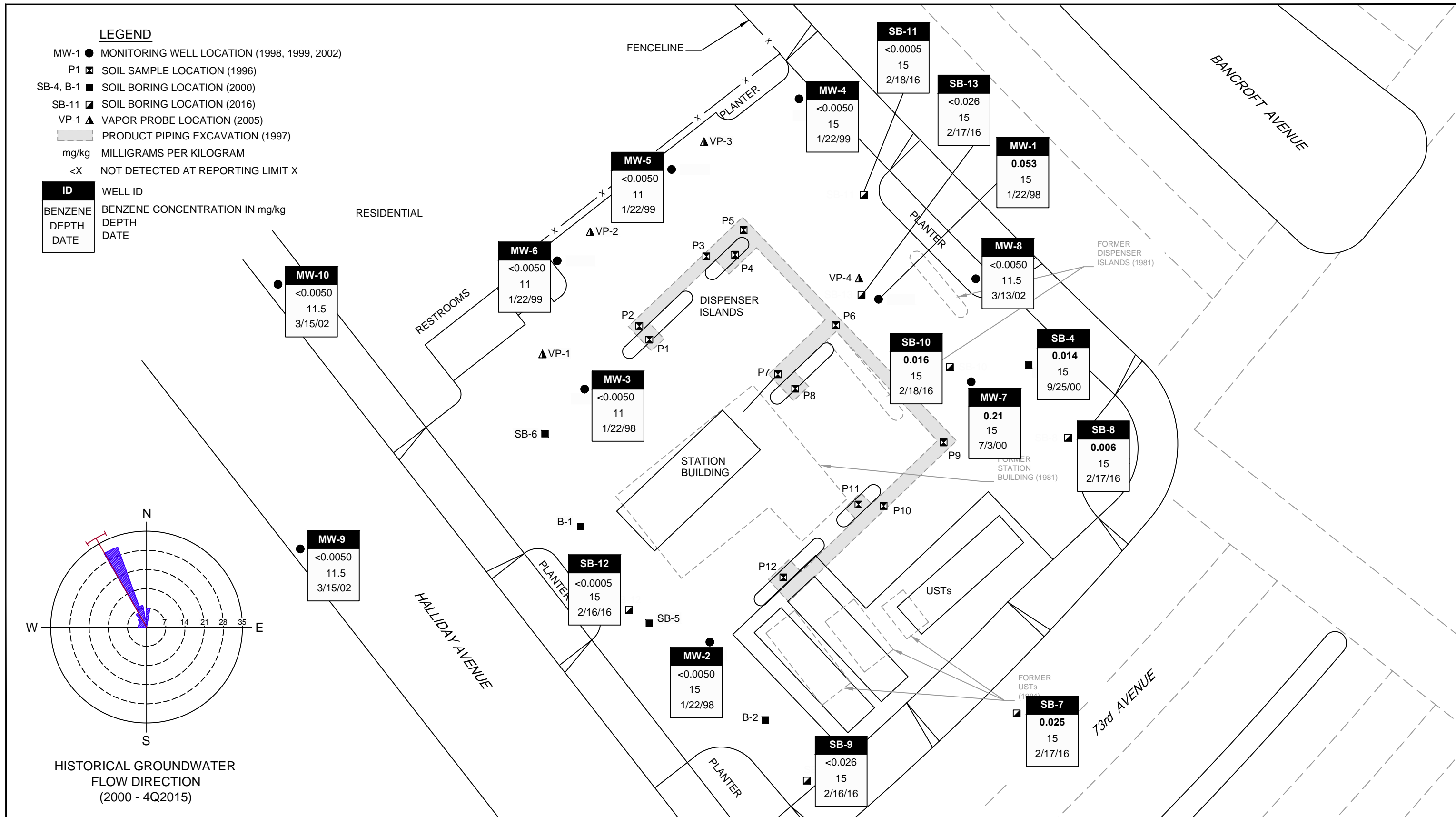


FORMER CHEVRON SERVICE STATION 93322  
 7225 BANCROFT AVENUE  
 OAKLAND, CALIFORNIA  
**MAXIMUM BENZENE CONCENTRATION  
 IN SOIL - >5 to 10 FBG**

311806  
 Apr 13, 2016

Figure 11

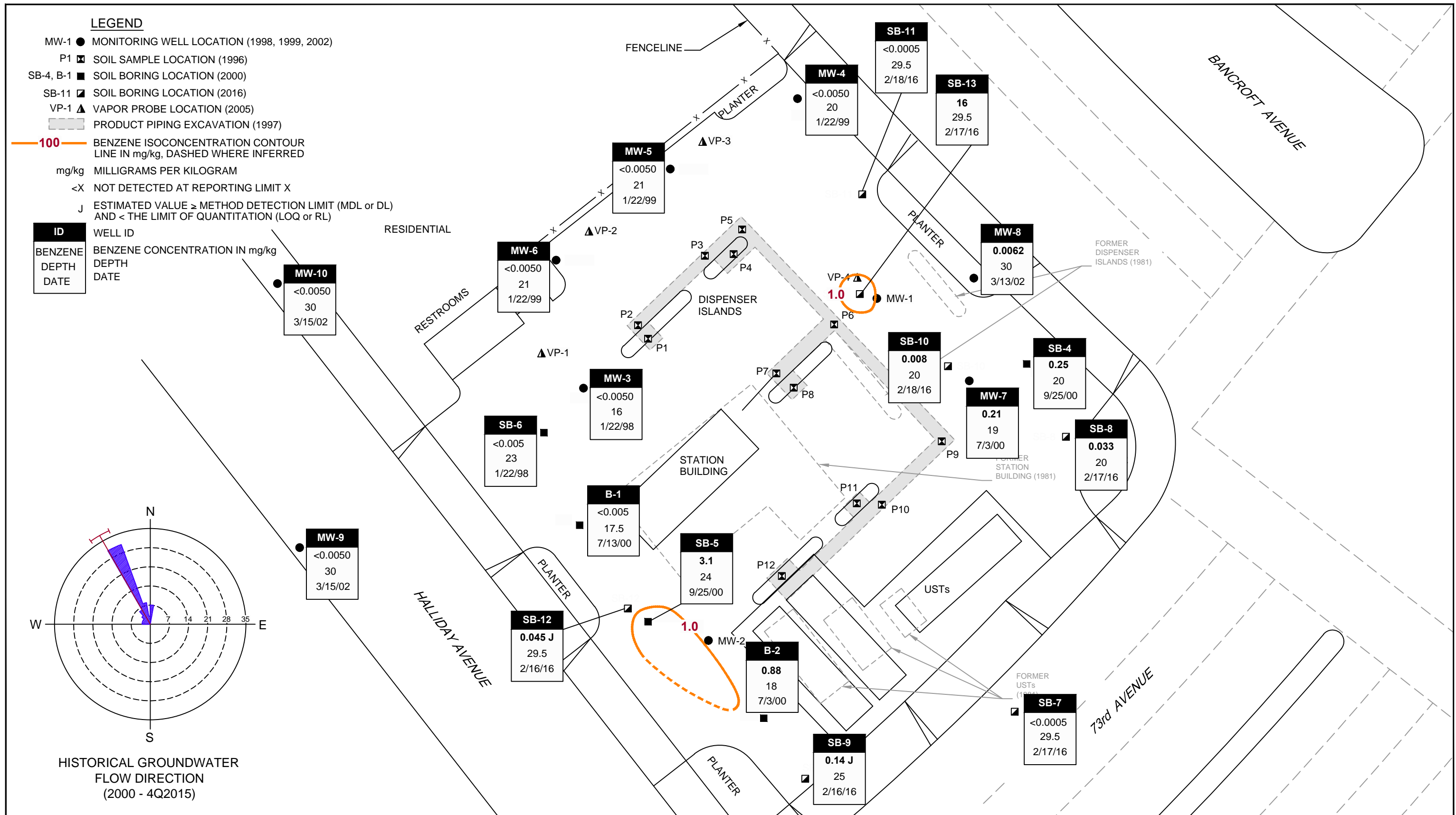




FORMER CHEVRON SERVICE STATION 93322  
 7225 BANCROFT AVENUE  
 OAKLAND, CALIFORNIA  
**MAXIMUM BENZENE CONCENTRATION  
 IN SOIL - >10 to 15 FBG**

311806  
 Apr 13, 2016

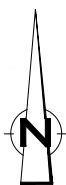
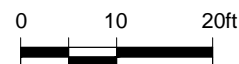
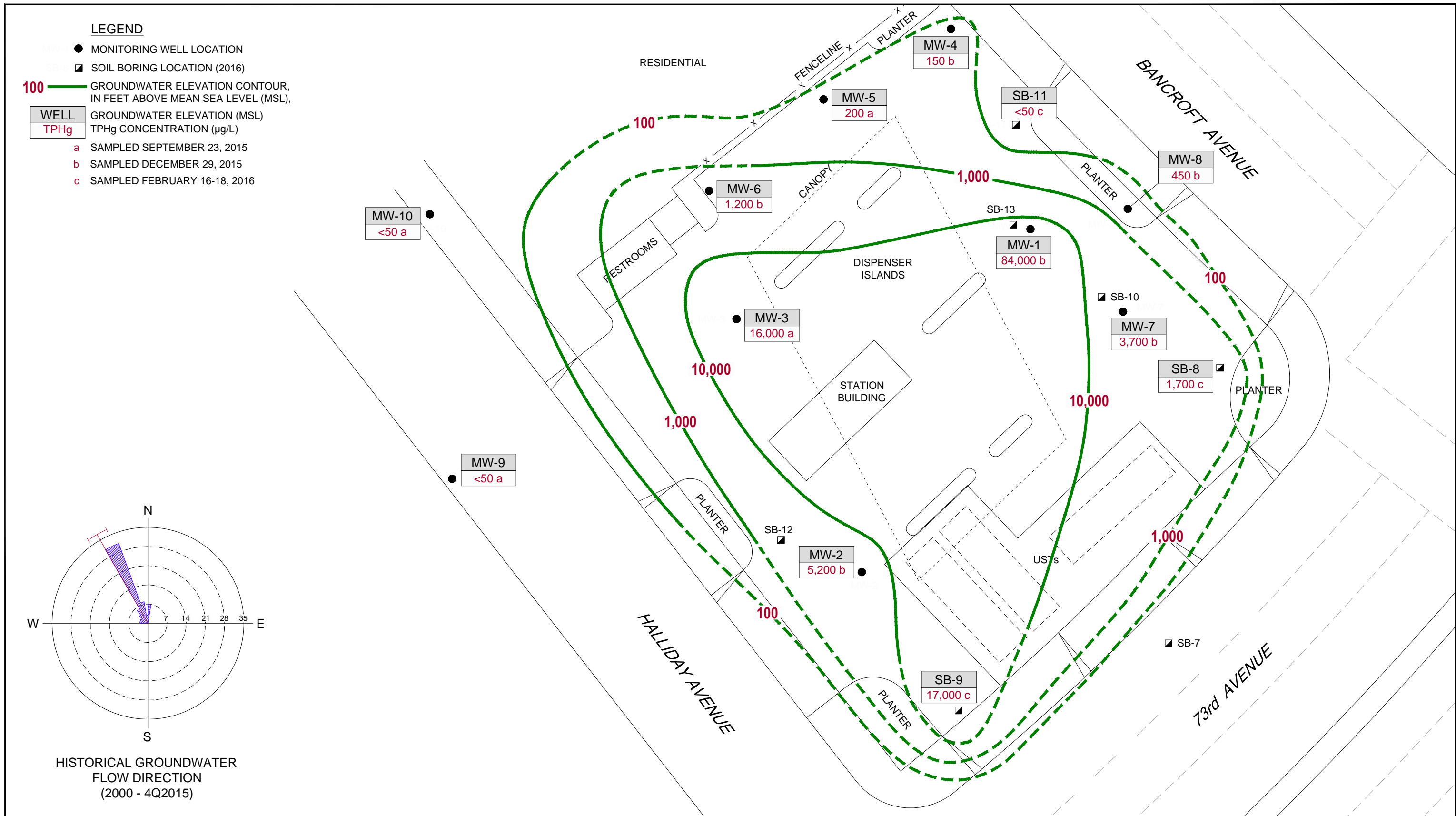
Figure 12



FORMER CHEVRON SERVICE STATION 93322  
 7225 BANCROFT AVENUE  
 OAKLAND, CALIFORNIA  
**MAXIMUM BENZENE CONCENTRATION  
 IN SOIL - >15 to 30 FBG**

311806  
 Apr 15, 2016

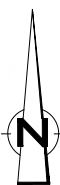
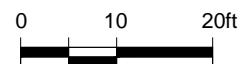
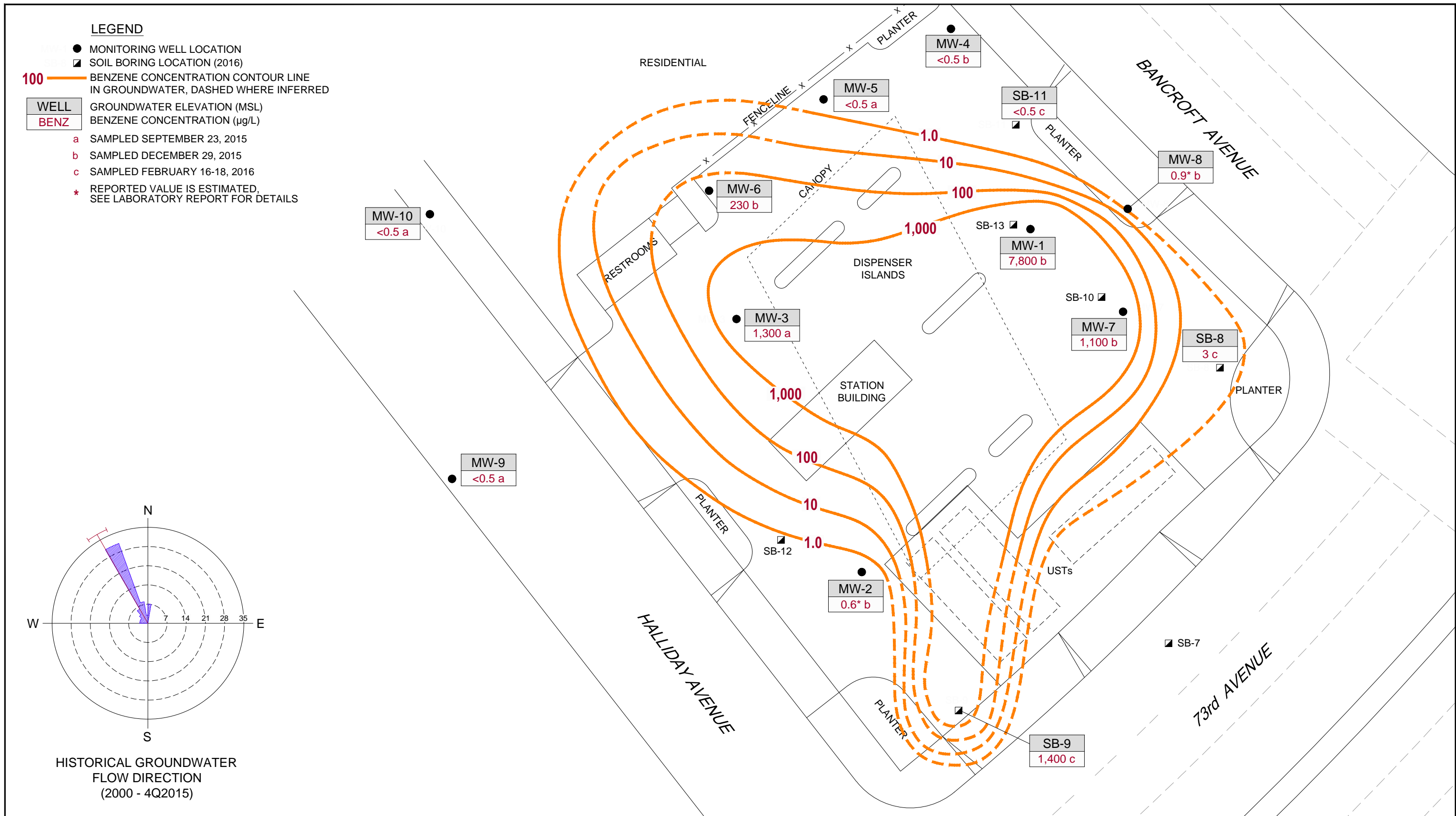
Figure 13



FORMER CHEVRON SERVICE STATION 93322  
 7225 BANCROFT AVENUE  
 OAKLAND, CALIFORNIA  
 TPHg CONCENTRATION IN GROUNDWATER  
 SEPTEMBER 23, and DECEMBER 29, 2015

311806-95  
 Apr 18, 2016

Figure 14

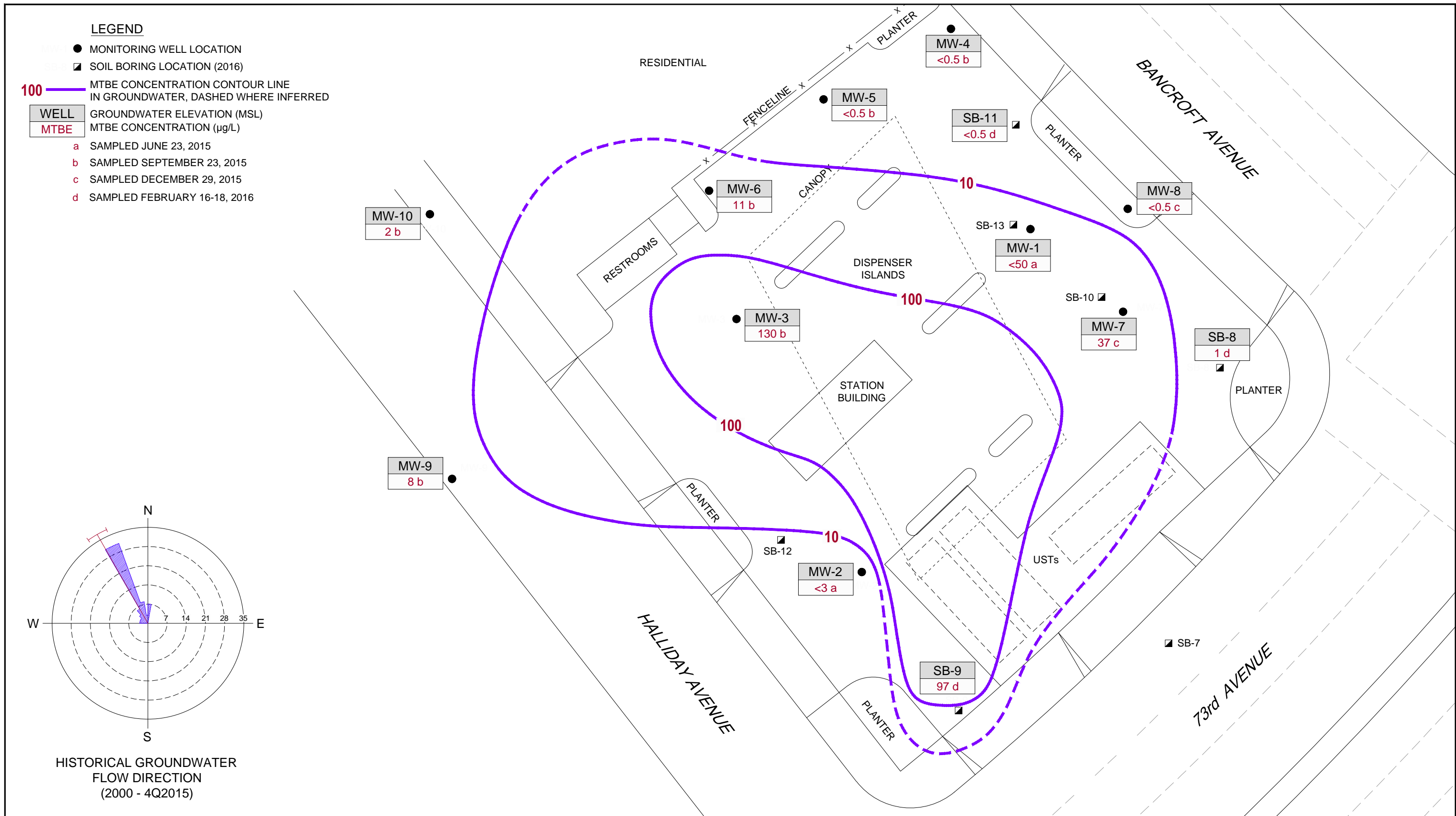


FORMER CHEVRON SERVICE STATION 93322  
 7225 BANCROFT AVENUE  
 OAKLAND, CALIFORNIA  
**BENZENE CONCENTRATION IN GROUNDWATER**  
 SEPTEMBER 23, and DECEMBER 29, 2015

311806-95  
 Apr 15, 2016

Figure 15



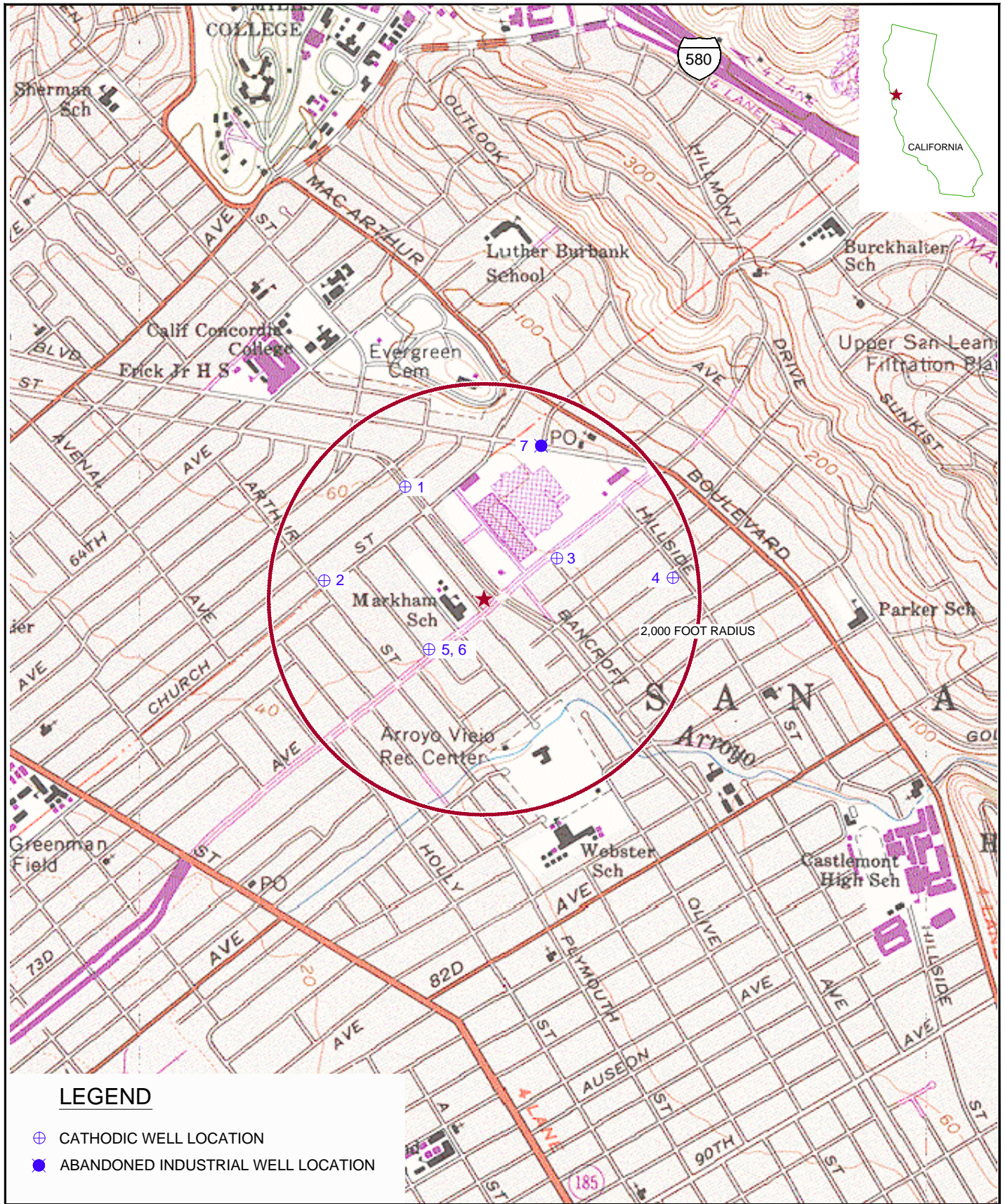


FORMER CHEVRON SERVICE STATION 93322  
 7225 BANCROFT AVENUE  
 OAKLAND, CALIFORNIA  
 MTBE CONCENTRATION IN GROUNDWATER  
 JUNE 23, SEPTEMBER 23, and DECEMBER 29, 2015

311806-95  
 Apr 15, 2016

Figure 16





SOURCE: TOPO MAPS

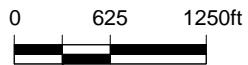
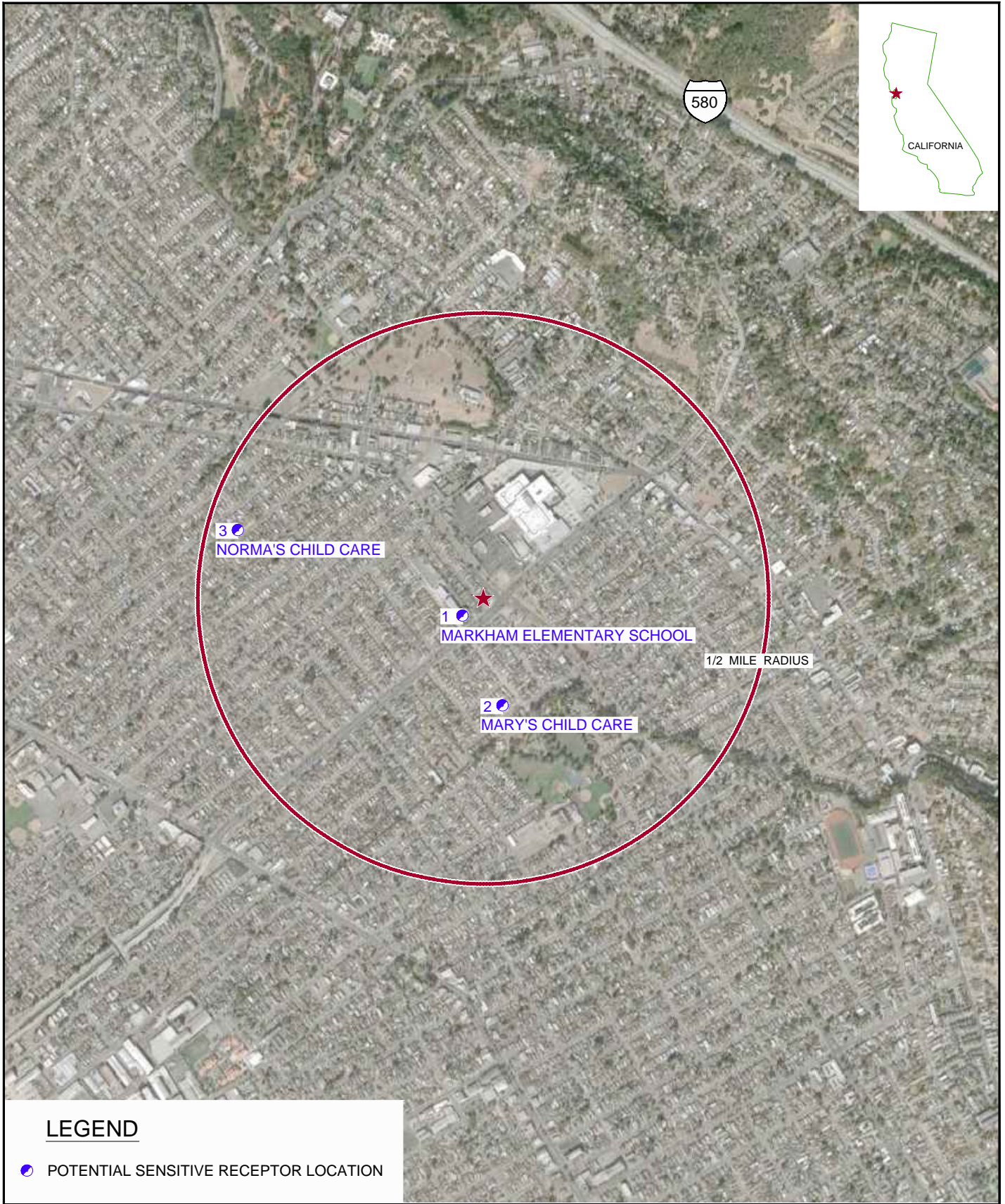


FORMER CHEVRON SERVICE STATION 93322  
 7225 BANCROFT AVENUE  
 OAKLAND, CALIFORNIA  
 WATER SUPPLY WELL LOCATION MAP  
 2,000 FOOT RADIUS

311806  
 Apr 28, 2016

Figure 17



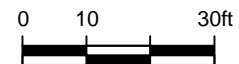
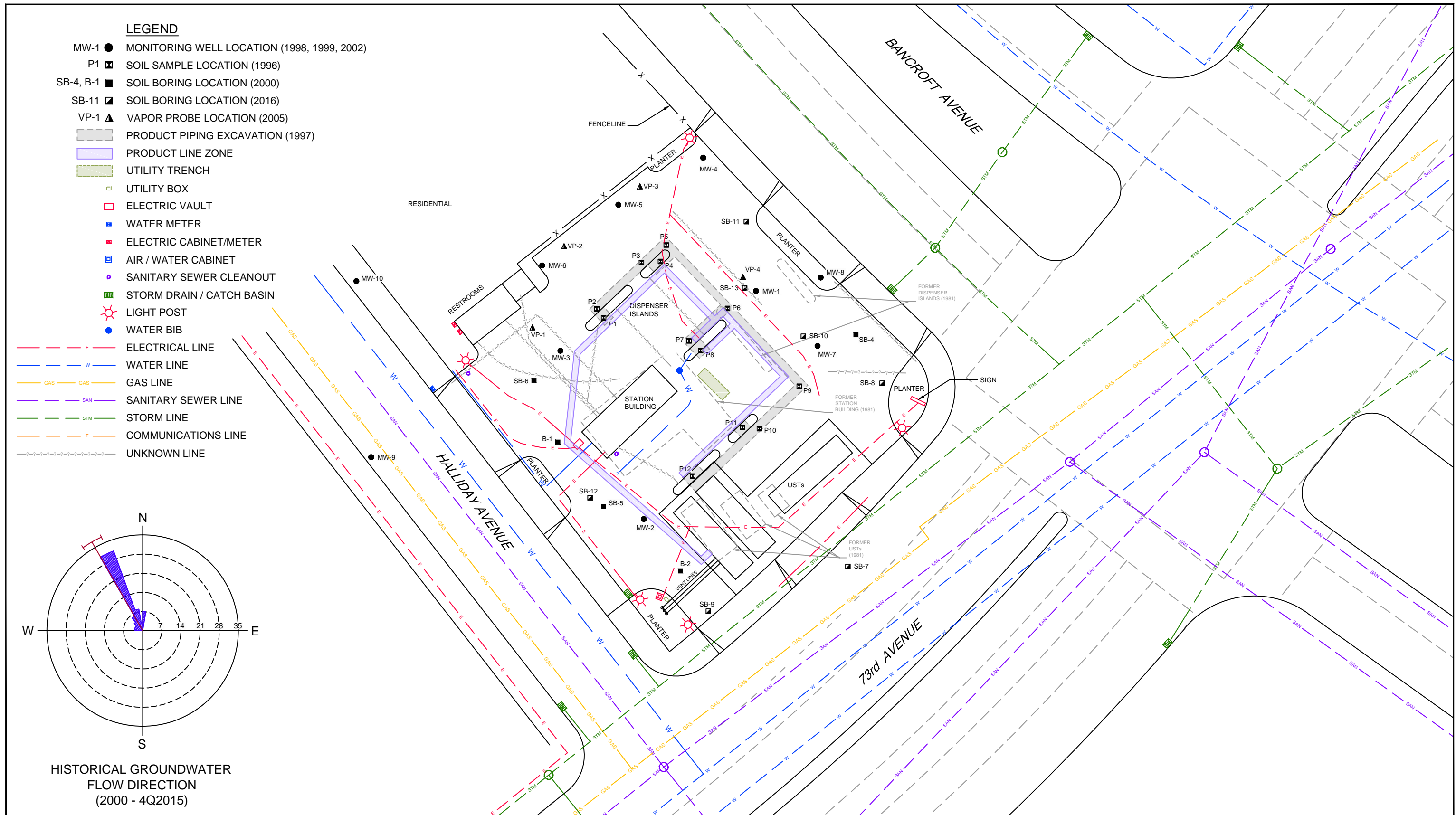


FORMER CHEVRON SERVICE STATION 93322  
 7225 BANCROFT AVENUE  
 OAKLAND, CALIFORNIA  
**SENSITIVE RECEPTOR MAP**  
 1/2 MILE RADIUS

311806  
 Apr 28, 2016

Figure 18





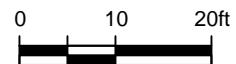
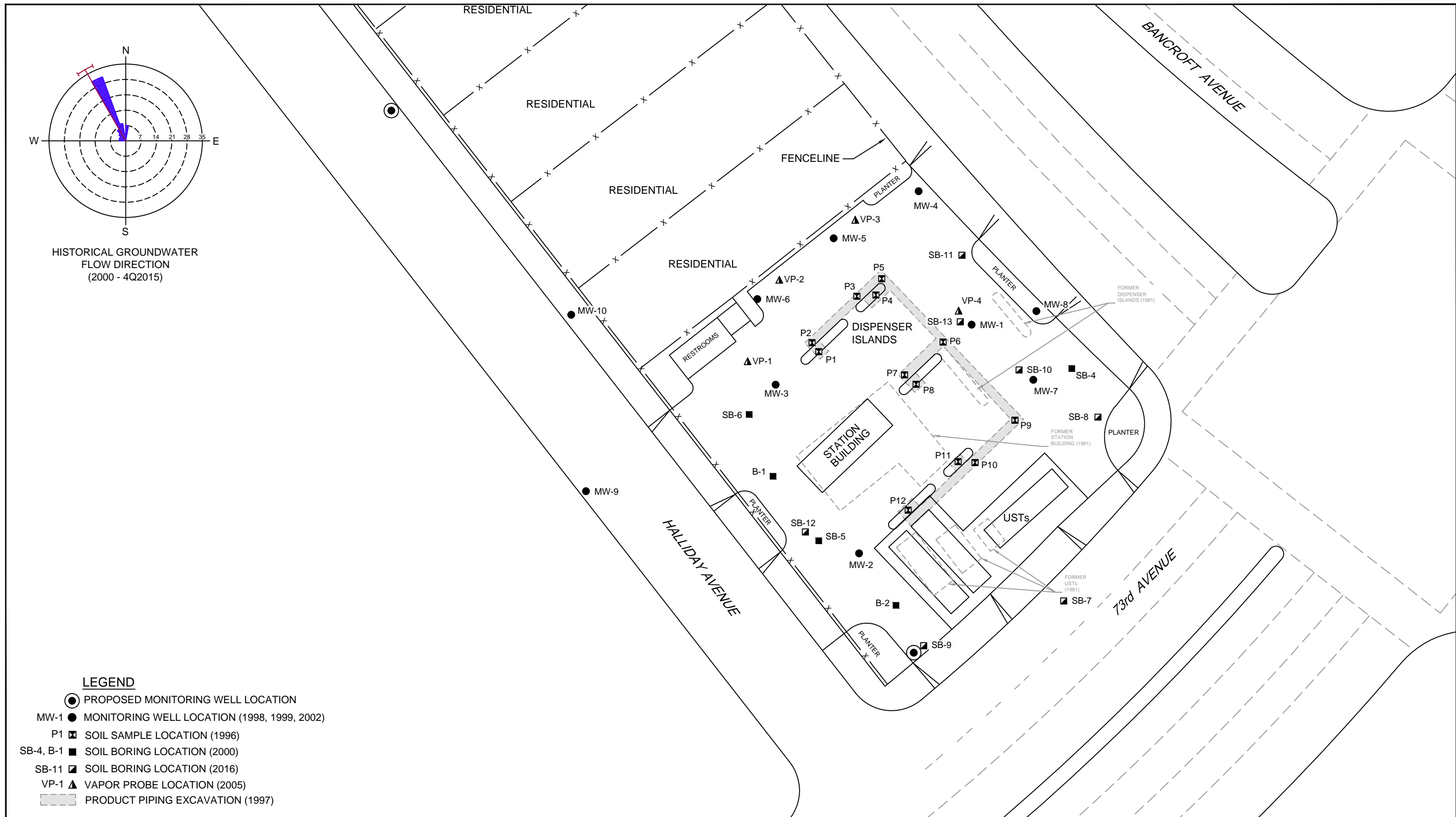
NOTE: UTILITY LINE LOCATIONS ARE APPROXIMATE



FORMER CHEVRON SERVICE STATION 93322  
 7225 BANCROFT AVENUE  
 OAKLAND, CALIFORNIA  
**SITE PLAN with  
 UNDERGROUND UTILITIES**

311806  
 May 2, 2016

Figure 19



FORMER CHEVRON SERVICE STATION 93322  
7225 BANCROFT AVENUE  
OAKLAND, CALIFORNIA

311806  
May 2, 2016

PROPOSED MONITORING WELL LOCATIONS

Figure 20

# Tables

TABLE 1

CUMULATIVE SOIL ANALYTICAL DATA  
 FORMER CHEVRON SERVICE STATION 93322  
 7225 BANCROFT AVENUE  
 OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylene	MTBE	Napthalene	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol	PAHs	Pesticides	PCBs
Concentrations reported in milligrams per kilogram (mg/kg)																			
LTC - Commercial - 0 to 5 fbg			NE	8.2	NE	89	NE	NE	45	NE	NE	NE	NE	NE	NE	NE	0.68	NE	NE
LTC - Commercial - Outdoor Air - 0 to			NE	12	NE	134	NE	NE	45	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
LTC - Utility Worker - 0 to 10 fbg			NE	14	NE	314	NE	NE	219	NE	NE	NE	NE	NE	NE	NE	4.5	NE	NE

2016 GHD Soil Borings

SB-7	2/17/16	3.0	1.8	0.002 J	<0.0009	<0.0009	<0.0009	<0.0005	0.0011 J	--	--	--	--	--	--	--	--	--	--
SB-7	2/17/16	5.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	0.0029	--	--	--	--	--	--	--	--	--	--
SB-7	2/17/16	10.0	1.4	0.004 J	<0.001	<0.001	<0.001	0.005 J	0.0037	--	--	--	--	--	--	--	--	--	--
SB-7	2/17/16	15.0	30	0.025	<0.001	0.007	0.001 J	0.004 J	0.037	--	--	--	--	--	--	--	--	--	--
SB-7	2/17/16	20.0	<0.5	<0.0005	<0.001	<0.001	<0.001	0.0009 J	0.00097 J	--	--	--	--	--	--	--	--	--	--
SB-7	2/17/16	25.0	<0.5	<0.0005	<0.0009	<0.0009	<0.0009	0.003 J	0.0015 J	--	--	--	--	--	--	--	--	--	--
SB-7	2/17/16	29.5	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	0.0012 J	--	--	--	--	--	--	--	--	--	--
SB-8	2/17/16	3.0	<0.5	0.0005 J	<0.001	<0.001	0.001 J	<0.0005	0.0024	--	--	--	--	--	--	--	--	--	--
SB-8	2/17/16	5.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	0.0013 J	--	--	--	--	--	--	--	--	--	--
SB-8	2/17/16	10.0	<0.5	0.0007 J	<0.001	<0.001	<0.001	<0.0005	0.0021	--	--	--	--	--	--	--	--	--	--
SB-8	2/17/16	15.0	6.3	0.006	<0.001	0.045	0.001 J	<0.0005	0.024	--	--	--	--	--	--	--	--	--	--
SB-8	2/17/16	20.0	0.7 J	0.033	0.001 J	0.008	0.024	0.002 J	0.0069	--	--	--	--	--	--	--	--	--	--
SB-8	2/17/16	25.0	9.5	0.001 J	<0.001	<0.001	<0.001	0.003 J	0.0047	--	--	--	--	--	--	--	--	--	--
SB-8	2/17/16	29.5	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	0.0029	--	--	--	--	--	--	--	--	--	--
SB-9	2/16/16	3.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	0.00088 J	--	--	--	--	--	--	--	--	--	--
SB-9	2/16/16	5.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.00066	--	--	--	--	--	--	--	--	--	--
SB-9	2/16/16	10.0	1.2	<0.0005	<0.001	<0.001	<0.001	0.001 J	0.015	--	--	--	--	--	--	--	--	--	--
SB-9	2/16/16	15.0	80	<0.026	<0.051	<0.051	<0.051	<0.026	<0.00066	--	--	--	--	--	--	--	--	--	--
SB-9	2/16/16	20.0	1.6	<0.0005	<0.001	<0.001	0.001 J	<0.0005	0.0048	--	--	--	--	--	--	--	--	--	--
SB-9	2/16/16	25.0	830	0.14 J	0.76	14	69	<0.026	9.6	--	--	--	--	--	--	--	--	--	--
SB-9	2/16/16	29.5	5.2	0.016	0.10	0.15	0.59	0.004 J	0.016	--	--	--	--	--	--	--	--	--	--
SB-10	2/18/16	3.0	6.4	0.002 J	<0.001	<0.001	0.009	<0.0005	0.0022	--	--	--	--	--	--	--	--	--	--
SB-10	2/18/16	5.0	1 J	0.0007 J	<0.001	<0.001	<0.001	<0.0005	<0.00066	--	--	--	--	--	--	--	--	--	--
SB-10	2/18/16	10.0	0.8 J	0.010	<0.001	<0.001	<0.001	0.002 J	<0.00067	--	--	--	--	--	--	--	--	--	--
SB-10	2/18/16	15.0	0.7 J	0.016	<0.001	<0.001	<0.001	0.004 J	0.00097 J	--	--	--	--	--	--	--	--	--	--
SB-10	2/18/16	20.0	1.8	0.008	<0.001	0.003 J	0.002 J	0.001 J	0.0035	--	--	--	--	--	--	--	--	--	--
SB-10	2/18/16	25.0	<0.5	<0.005	<0.001	<0.001	<0.001	<0.0005	<0.00067	--	--	--	--	--	--	--	--	--	--
SB-10	2/18/16	29.5	22	<0.023	<0.046	<0.046	<0.046	<0.023	0.0011 J	--	--	--	--	--	--	--	--	--	--

TABLE 1

CUMULATIVE SOIL ANALYTICAL DATA  
 FORMER CHEVRON SERVICE STATION 93322  
 7225 BANCROFT AVENUE  
 OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylene	MTBE	Napthalene	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol	PAHs	Pesticides	PCBs
Concentrations reported in milligrams per kilogram (mg/kg)																			
LTC - Commercial - 0 to 5 fbg			NE	8.2	NE	89	NE	NE	45	NE	NE	NE	NE	NE	NE	NE	0.68	NE	NE
LTC - Commercial - Outdoor Air - 0 to			NE	12	NE	134	NE	NE	45	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
LTC - Utility Worker - 0 to 10 fbg			NE	14	NE	314	NE	NE	219	NE	NE	NE	NE	NE	NE	NE	4.5	NE	NE
SB-11	2/18/16	3.0	<0.5	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	0.0026	--	--	--	--	--	--	--	--	--	--
SB-11	2/18/16	5.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	0.0013 J	--	--	--	--	--	--	--	--	--	--
SB-11	2/18/16	10.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.00066	--	--	--	--	--	--	--	--	--	--
SB-11	2/18/16	15.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	0.00073 J	--	--	--	--	--	--	--	--	--	--
SB-11	2/18/16	20.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	0.0010 J	--	--	--	--	--	--	--	--	--	--
SB-11	2/18/16	25.0	<4.9	<0.0005	<0.001	<0.001	<0.001	<0.0005	0.0012 J	--	--	--	--	--	--	--	--	--	--
SB-11	2/18/16	29.5	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.00066	--	--	--	--	--	--	--	--	--	--
SB-12	2/16/16	3.0	1.2	0.0007 J	<0.001	<0.001	0.001 J	0.0007 J	0.0031	--	--	--	--	--	--	--	--	--	--
SB-12	2/16/16	5.0	1	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.00066	--	--	--	--	--	--	--	--	--	--
SB-12	2/16/16	10.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.00066	--	--	--	--	--	--	--	--	--	--
SB-12	2/16/16	15.0	14	<0.0005	<0.001	<0.001	<0.001	<0.0005	0.0036	--	--	--	--	--	--	--	--	--	--
SB-12	2/16/16	20.0	2.4	<0.0005	<0.001	<0.001	<0.001	<0.0005	0.0027	--	--	--	--	--	--	--	--	--	--
SB-12	2/16/16	25.0	65	<0.026	<0.053	1.6	6.2	<0.026	0.75	--	--	--	--	--	--	--	--	--	--
SB-12	2/16/16	29.5	110	0.045 J	0.049 J	0.44	2.6	<0.023	0.96	--	--	--	--	--	--	--	--	--	--
SB-13	2/17/16	3.0	0.8 J	0.018	0.011	0.001 J	0.004 J	0.0006 J	0.0019	--	--	--	--	--	--	--	--	--	--
SB-13	2/17/16	5.0	1.7	0.024	0.012	0.001 J	0.003 J	0.0007 J	0.0016 J	--	--	--	--	--	--	--	--	--	--
SB-13	2/17/16	10.0	0.5 J	0.009	0.004 J	<0.001	0.002 J	0.001 J	0.00073 J	--	--	--	--	--	--	--	--	--	--
SB-13	2/17/16	15.0	23	<0.026	<0.051	<0.051	<0.051	<0.026	0.054	--	--	--	--	--	--	--	--	--	--
SB-13	2/17/16	20.0	1300	13	71	40	220	<0.52	7.7	--	--	--	--	--	--	--	--	--	--
SB-13	2/17/16	25.0	610	2.6	11	7.8	44	<0.23	9.3	--	--	--	--	--	--	--	--	--	--
SB-13	2/17/16	29.5	4400	16	92	66	340	<0.10	18	--	--	--	--	--	--	--	--	--	--
<b>2005 Cambria Soil Vapor Probe Installation</b>																			
VP-1	04/21/05	5.0	<1.0	0.0006	0.001	<0.001	0.001	0.001	--	--	--	--	--	--	<0.001	--	--	--	--
VP-1	04/21/05	10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	0.0005	--	--	--	--	--	--	<0.001	--	--	--	--
VP-2	04/22/05	5.0	<1.0	0.0007	<0.001	<0.001	0.001	<0.0005	--	--	--	--	--	--	<0.001	--	--	--	--
VP-2	04/22/05	10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	<0.001	--	--	--	--
VP-3	04/22/05	5.0	<1.0	0.0007	0.002	0.001	0.005	<0.0005	--	--	--	--	--	--	<0.001	--	--	--	--
VP-3	04/22/05	10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	<0.001	--	--	--	--



TABLE 1

CUMULATIVE SOIL ANALYTICAL DATA  
 FORMER CHEVRON SERVICE STATION 93322  
 7225 BANCROFT AVENUE  
 OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylene	MTBE	Napthalene	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol	PAHs	Pesticides	PCBs
Concentrations reported in milligrams per kilogram (mg/kg)																			
<b>LTC - Commercial - 0 to 5 fbg</b>			NE	8.2	NE	89	NE	NE	45	NE	NE	NE	NE	NE	NE	NE	0.68	NE	NE
<b>LTC - Commercial - Outdoor Air - 0 to</b>			NE	12	NE	134	NE	NE	45	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
<b>LTC - Utility Worker - 0 to 10 fbg</b>			NE	14	NE	314	NE	NE	219	NE	NE	NE	NE	NE	NE	NE	4.5	NE	NE
VP-4	04/22/05	5.0	<1.0	0.0008	0.002	0.001	0.007	<0.0005	--	--	--	--	--	--	<0.001	--	--	--	--
VP-4	04/22/05	10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	0.001	--	--	--	--	--	--	<0.001	--	--	--	--
<b>2002 Gettler-Ryan Well Installation</b>																			
MW-8	3/13/2002	6.5	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-8	3/13/2002	11.5	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-8	3/13/2002	16.5	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-8	3/13/2002	21.5	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-8	3/13/2002	30.0	11	0.0062	<0.0050	<0.0050	<0.060	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-9	3/15/2002	11.5	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-9	3/15/2002	21.5	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-9	3/15/2002	30.0	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-10	3/15/2002	11.5	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-10	3/15/2002	21.5	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-10	3/15/2002	30.0	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<0.050	--	--	--	--	--	--	--	--	--	--	--
<b>2000 Cambria Additional Baseline Investigation</b>																			
SB-4	09/25/00	3.0	<1.0	<0.005	<0.005	<0.005	0.014	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	0.00284b, 0.00208c	<20
SB-4	09/25/00	5.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	0.00307b, 0.00210c	<20
SB-4	09/25/00	10.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	ND	<20
SB-4	09/25/00	15.0	58	0.14	0.24	0.33	0.86	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	ND	<20
SB-4	09/25/00	18.0	96	0.25	0.62	1.3	5.7	<0.10*	0.58	--	--	--	--	--	--	--	0.86a	ND	<20
SB-4	09/25/00	20.0	21	0.25	0.58	0.25	1.3	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	ND	<20
SB-4	09/25/00	24.0	<1.0	<0.005	<0.005	<0.005	0.017	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	ND	<20
SB-5	09/25/00	3.0	<1.0	0.0081	0.0094	0.012	0.014	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	ND	<20
SB-5	09/25/00	5.0	<1.0	0.0051	0.0052	0.01	0.016	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	ND	<20
SB-5	09/25/00	10.0	<1.0	<0.005	<0.005	<0.005	0.016	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	ND	<20
SB-5	09/25/00	16.0	65	0.22	0.27	0.34	0.77	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	0.00746d	<20
SB-5	09/25/00	20.0	19	0.079	0.099	0.083	0.21	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	ND	<20

TABLE 1

CUMULATIVE SOIL ANALYTICAL DATA  
 FORMER CHEVRON SERVICE STATION 93322  
 7225 BANCROFT AVENUE  
 OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylene	MTBE	Napthalene	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol	PAHs	Pesticides	PCBs
Concentrations reported in milligrams per kilogram (mg/kg)																			
LTC - Commercial - 0 to 5 fbg			NE	8.2	NE	89	NE	NE	45	NE	NE	NE	NE	NE	NE	NE	0.68	NE	NE
LTC - Commercial - Outdoor Air - 0 to			NE	12	NE	134	NE	NE	45	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
LTC - Utility Worker - 0 to 10 fbg			NE	14	NE	314	NE	NE	219	NE	NE	NE	NE	NE	NE	NE	4.5	NE	NE
SB-5	09/25/00	24.0	1,400	3.1	10	28	150	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	ND	<20
SB-6	09/25/00	3.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	ND	<20
SB-6	09/25/00	5.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	ND	<20
SB-6	09/25/00	10.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	0.00163c	<20
SB-6	09/25/00	23.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	ND	<20
<b>2000 Gettler-Ryan Baseline Investigation</b>																			
B-1	07/03/00	10.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.050	--	--	--	--	--	--	--	--	--	--	--
B-1	07/03/00	17.5	<1.0	<0.005	<0.005	<0.005	<0.005	0.083	--	--	--	--	--	--	--	--	--	--	--
B-2	07/03/00	5.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.050	--	--	--	--	--	--	--	--	--	--	--
B-2	07/03/00	10.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.050	--	--	--	--	--	--	--	--	--	--	--
B-2	07/03/00	18.0	140	0.88	1.1	5.8	1.1	1.7	--	--	--	--	--	--	--	--	--	--	--
B-3 (MW-7)	07/03/00	10.0	<1.0	0.016	<0.005	<0.005	0.01	<0.050	--	--	--	--	--	--	--	--	--	--	--
B-3 (MW-7)	07/03/00	15.0	94	0.21	0.68	1.9	8.7	<0.050	--	--	--	--	--	--	--	--	--	--	--
B-3 (MW-7)	07/03/00	19.0	58	0.21	0.52	1.2	5.9	<0.050	--	--	--	--	--	--	--	--	--	--	--
<b>1999 Gettler-Ryan Monitoring Well Installation</b>																			
MW-4	1/22/1999	11.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-4	1/22/1999	15.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-4	1/22/1999	20.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-5	1/22/1999	11.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-5	1/22/1999	16.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-5	1/22/1999	21.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-6	1/22/1999	10.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	1/22/1999	11.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-6	1/22/1999	16.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-6	1/22/1999	21.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	--	--	--	--	--	--	--	--	--	--	--
<b>1998 Gettler-Ryan Well Installation</b>																			

TABLE 1

CUMULATIVE SOIL ANALYTICAL DATA  
 FORMER CHEVRON SERVICE STATION 93322  
 7225 BANCROFT AVENUE  
 OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylene	MTBE	Napthalene	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol	PAHs	Pesticides	PCBs
Concentrations reported in milligrams per kilogram (mg/kg)																			
LTC - Commercial - 0 to 5 fbg			NE	8.2	NE	89	NE	NE	45	NE	NE	NE	NE	NE	NE	NE	0.68	NE	NE
LTC - Commercial - Outdoor Air - 0 to			NE	12	NE	134	NE	NE	45	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
LTC - Utility Worker - 0 to 10 fbg			NE	14	NE	314	NE	NE	219	NE	NE	NE	NE	NE	NE	NE	4.5	NE	NE

MW-1	1/22/1998	6.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	--	--	--	--	--	--	--	--	--	--	--
MW-1	1/22/1998	11.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	--	--	--	--	--	--	--	--	--	--	--
MW-1	1/22/1998	15.0	23	0.053	0.014	0.28	0.99	0.057	--	--	--	--	--	--	--	--	--	--	--
MW-2	1/22/1998	6.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	--	--	--	--	--	--	--	--	--	--	--
MW-2	1/22/1998	11.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.079	--	--	--	--	--	--	--	--	--	--	--
MW-2	1/22/1998	15.0	8.2	<0.0050	0.022	0.012	0.065	0.40	--	--	--	--	--	--	--	--	--	--	--
MW-3	1/22/1998	6.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	--	--	--	--	--	--	--	--	--	--	--
MW-3	1/22/1998	11.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	--	--	--	--	--	--	--	--	--	--	--
MW-3	1/22/1998	16.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	--	--	--	--	--	--	--	--	--	--	--

1996 Touchstone Piping Removal Report

P1	8/27/1996	2.0	<1.0	0.011	<0.0050	<0.0050	0.022	0.65	--	--	--	--	--	--	--	--	--	--	--
P2	8/27/1996	2.0	<1.0	<0.0050	<0.0050	<0.0050	0.024	0.47	--	--	--	--	--	--	--	--	--	--	--
P3	8/27/1996	2.0	<1.0	<0.0050	<0.0050	<0.0050	0.0074	0.15	--	--	--	--	--	--	--	--	--	--	--
P4	8/27/1996	2.0	<1.0	<0.0050	<0.0050	<0.0050	0.011	0.19	--	--	--	--	--	--	--	--	--	--	--
P5	8/27/1996	3.0	<1.0	<0.0050	0.0095	<0.0050	0.0072	<0.025	--	--	--	--	--	--	--	--	--	--	--
P6	8/27/1996	4.0	500	<1.0	8.1	7.3	59	<5.0	--	--	--	--	--	--	--	--	--	--	--
P7	8/27/1996	3.0	200	4.2	13	4.5	31	<5.0	--	--	--	--	--	--	--	--	--	--	--
P8	8/27/1996	3.0	250	1.6	10	5.3	32	<5.0	--	--	--	--	--	--	--	--	--	--	--
P9	8/27/1996	4.0	<1.0	<0.0050	0.0095	<0.0050	<0.0050	<0.025	--	--	--	--	--	--	--	--	--	--	--
P10	8/27/1996	4.0	40	0.33	1.8	0.56	1.7	1.1	--	--	--	--	--	--	--	--	--	--	--
P11	8/27/1996	3.0	<1.0	<0.0050	0.0095	<0.0050	0.0082	0.092	--	--	--	--	--	--	--	--	--	--	--
P12	8/27/1996	3.0	6	0.059	0.011	0.015	0.35	0.65	--	--	--	--	--	--	--	--	--	--	--

Notes:

Total petroleum hydrocarbons as gasoline (TPHg) analyzed by EPA Method 8015 unless otherwise noted.  
 Benzene, toluene, ethylbenzene, and xylenes analyzed by EPA Method 8260B; before February 26, 2008, analyzed by EPA Method 8020 unless otherwise noted  
 Methyl tertiary-butyl ether (MTBE) analyzed by EPA Method 8260B after 1998 and by EPA Method 8020 from 1998 and prior  
 T-butyl alcohol (TBA); di-isopropyl ether (DIPE); ethyl tertiary-butyl ether (ETBE); t-amyl methyl ether (TAME); 1,2-dichloroethane (1,2-DCA); 1,2-dibromoethane (EDB) and ethanol analyzed by EPA Method 8260B  
 Polycyclic aromatic hydrocarbons (PAHs) analyzed by EPA Method 8270B

TABLE 1

CUMULATIVE SOIL ANALYTICAL DATA  
 FORMER CHEVRON SERVICE STATION 93322  
 7225 BANCROFT AVENUE  
 OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylene	MTBE	Napthalene	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol	PAHs	Pesticides	PCBs
Concentrations reported in milligrams per kilogram (mg/kg)																			
LTC - Commercial - 0 to 5 fbg			NE	8.2	NE	89	NE	NE	45	NE	NE	NE	NE	NE	NE	NE	0.68	NE	NE
LTC - Commercial - Outdoor Air - 0 to			NE	12	NE	134	NE	NE	45	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
LTC - Utility Worker - 0 to 10 fbg			NE	14	NE	314	NE	NE	219	NE	NE	NE	NE	NE	NE	NE	4.5	NE	NE

Pesticides and polychlorinated biphenyls (PCBs) by EPA Method 8081A and 8082

NE = Not established

<x = Not detected at reporting limit x

--- = Not analyzed

fbg = feet below grade

ND = not detected above stated laboratory method detection limits

LTC = Low-threat Underground Storage Tank Case Closure Policy Criteria - California State Water Resources Control Board (SWRCB), August 2012, Low-Threat Undergroud Storage Tank Policy.

J = Estimated value ≥ Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)

a = 2-methylnaphthalene

b = Aldrin

c = heptaclor

d = delta-BHC

TABLE 2

**SOIL ANALYTICAL DATA - METALS**  
**FORMER CHEVRON SERVICE STATION 93322**  
**7225 BANCROFT AVENUE**  
**OAKLAND, CALIFORNIA**

<i>Sample ID</i>	<i>Sample Date</i>	<i>Sample Depth</i>	<i>Hg</i>	<i>Sb</i>	<i>As</i>	<i>Ba</i>	<i>Be</i>	<i>Cd</i>	<i>Cr</i>	<i>Co</i>	<i>Cu</i>	<i>Pb</i>	<i>Mo</i>	<i>Ni</i>	<i>Se</i>	<i>Ag</i>	<i>Tl</i>	<i>V</i>	<i>Zn</i>	
<i>Concentrations reported in milligrams/kilogram (mg/kg)</i>																				
<b>2000 Cambria Additional Baseline Investigation</b>																				
SB-4	09/25/00	3.0	0.037	<5.0	<5.0	140	<5.0	<5.0	26	21	38	3	<0.50	28	<5.0	1.3	12	84	19	
SB-4	09/25/00	5.0	0.17	<5.0	<5.0	120	<5.0	<5.0	40	18	37	6.9	<0.50	37	<5.0	0.82	13	91	40	
SB-4	09/25/00	10.0	0.18	<5.0	<5.0	120	<5.0	<5.0	37	20	52	4	<0.50	53	<5.0	0.68	15	100	31	
SB-4	09/25/00	15.0	0.088	<5.0	<5.0	160	<5.0	<5.0	44	14	30	7.5	<0.50	54	<5.0	1.7	<10	46	44	
SB-4	09/25/00	18.0	0.051	<5.0	<5.0	200	<5.0	<5.0	47	16	30	8.2	<0.50	56	<5.0	<0.50	17	49	48	
SB-4	09/25/00	20.0	0.1	<5.0	<5.0	160	<5.0	<5.0	46	14	36	6.6	<0.50	56	<5.0	1.8	15	49	50	
SB-4	09/25/00	24.0	0.049	<5.0	<5.0	120	<5.0	<5.0	32	6.3	18	5.3	<0.50	33	<5.0	2.1	18	29	34	
SB-5	09/25/00	3.0	0.043	<5.0	<5.0	170	<5.0	<5.0	27	19	46	3.1	<0.50	33	<5.0	<0.50	13	79	23	
SB-5	09/25/00	5.0	0.055	<5.0	<5.0	150	<5.0	<5.0	32	23	45	3.6	<0.50	39	<5.0	1.9	12	88	30	
SB-5	09/25/00	10.0	0.15	<5.0	<5.0	130	<5.0	<5.0	34	24	49	3.8	<0.50	57	<5.0	1.3	15	100	30	
SB-5	09/25/00	16.0	0.092	<5.0	<5.0	130	<5.0	<5.0	40	13	27	6.7	<0.50	50	<5.0	1.2	<10	45	40	
SB-5	09/25/00	20.0	0.15	<5.0	<5.0	120	<5.0	<5.0	30	7	14	4.2	<0.50	35	<5.0	<0.50	13	29	31	
SB-5	09/25/00	24.0	0.1	<5.0	<5.0	140	<5.0	<5.0	28	8.1	19	4.7	<0.50	39	<5.0	<0.50	<10	32	35	
SB-6	09/25/00	3.0	0.069	<5.0	<5.0	150	<5.0	<5.0	28	18	44	2.7	<0.50	39	<5.0	<0.50	14	87	21	
SB-6	09/25/00	5.0	0.23	<5.0	<5.0	150	<5.0	<5.0	36	10	46	3.3	<0.50	39	<5.0	1.8	11	76	27	
SB-6	09/25/00	10.0	0.22	<5.0	<5.0	100	<5.0	<5.0	34	20	44	2.7	<0.50	50	<5.0	1.3	<10	92	29	
SB-6	09/25/00	23.0	0.043	<5.0	<5.0	110	<5.0	<5.0	30	8.3	18	5.6	<0.50	36	<5.0	2.2	<10	35	33	
<b>1996 Touchstone Piping Removal Report</b>																				
P1-2	8/27/1996	2.0	--	--	--	--	--	--	--	--	--	<0.5	--	--	--	--	--	--	--	
P2-2	8/27/1996	2.0	--	--	--	--	--	--	--	--	--	<0.5	--	--	--	--	--	--	--	
P3-2	8/27/1996	2.0	--	--	--	--	--	--	--	--	--	<0.5	--	--	--	--	--	--	--	

**SOIL ANALYTICAL DATA - METALS  
FORMER CHEVRON SERVICE STATION 93322  
7225 BANCROFT AVENUE  
OAKLAND, CALIFORNIA**

Sample ID	Sample Date	Sample	Hg	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Mo	Ni	Se	Ag	Tl	V	Zn
		Depth																	
<i>Concentrations reported in milligrams/kilogram (mg/kg)</i>																			
P4-2	8/27/1996	2.0	--	--	--	--	--	--	--	--	--	<0.5	--	--	--	--	--	--	--
P5-3	8/27/1996	3.0	--	--	--	--	--	--	--	--	--	<0.5	--	--	--	--	--	--	--
P6-4	8/27/1996	4.0	--	--	--	--	--	--	--	--	--	<0.5	--	--	--	--	--	--	--
P7-3	8/27/1996	3.0	--	--	--	--	--	--	--	--	--	<0.5	--	--	--	--	--	--	--
P8-3	8/27/1996	3.0	--	--	--	--	--	--	--	--	--	<0.5	--	--	--	--	--	--	--
P9-4	8/27/1996	4.0	--	--	--	--	--	--	--	--	--	<0.5	--	--	--	--	--	--	--
P10-4	8/27/1996	4.0	--	--	--	--	--	--	--	--	--	6.1	--	--	--	--	--	--	--
P11-3	8/27/1996	3.0	--	--	--	--	--	--	--	--	--	<0.5	--	--	--	--	--	--	--
P12-3	8/27/1996	3.0	--	--	--	--	--	--	--	--	--	<0.5	--	--	--	--	--	--	--

**Notes:**

Hg = mercury, Sb = antimony, Ba = barium, Be = beryllium, Cd = cadmium, Cr = chromium, Co = cobalt, Cu = copper, Pb = lead, Mo = molybdenum, Ni = nickel, Se = selenium, Ag = silver, Tl = thallium, V = vanadium, Zn = zinc by EPA Method 6010

<x = Not detected at reporting limit x

--- = Not analyzed

fbg = feet below grade

ND = not detected above various laboratory method detection limits

**TABLE 3**  
**SOIL ANALYTICAL DATA - SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs)**  
**FORMER CHEVRON SERVICE STATION 93322**  
**7225 BANCROFT AVENUE**  
**OAKLAND, CALIFORNIA**

Sample ID	Sample Date	Sample Depth	Concentrations reported in milligrams/kilogram (mg/kg)															
			Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
<b>2016 GHD Soil Borings</b>																		
SB-7	2/17/16	3.0	<0.0066	<0.00033	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	0.0011 J	<0.00066	<0.00066
SB-7	2/17/16	5.0	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	0.0010 J	0.00084 J	<0.00066	0.0019	<0.00066	<0.00066	<0.00066	<0.00066	0.0029	0.00088 J	0.00091 J
SB-7	2/17/16	10.0	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00033	<0.00066	0.00099 J	<0.00066	<0.00066	0.0037	0.00089 J	<0.00066
SB-7	2/17/16	15.0	0.0016 J	0.00048 J	0.0019	0.0010 J	<0.00066	<0.00066	<0.00066	<0.00066	0.00089 J	<0.00066	0.0037	0.0014 J	<0.00066	0.037	0.0064	0.0026
SB-7	2/17/16	20.0	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	0.00097 J	<0.00066	<0.00066
SB-7	2/17/16	25.0	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	0.0015 J	<0.00066	<0.00066
SB-7	2/17/16	29.5	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	0.0012 J	<0.00066	<0.00066
SB-8	2/17/16	3.0	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	0.00042 J	<0.00066	0.00076 J	<0.00066	<0.00066	0.0024	0.0010 J	<0.00066
SB-8	2/17/16	5.0	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	0.0013 J	0.00067 J	<0.00066
SB-8	2/17/16	10.0	<0.00066	0.00077 J	0.00085 J	0.0025	0.0029	0.0044	0.00093 J	0.0017	0.0029	<0.00066	0.0026	<0.00066	0.00099 J	0.0021	0.0014 J	0.0018
SB-8	2/17/16	15.0	0.0011 J	0.0014 J	0.0011 J	0.0017	0.011	0.0043	0.035	0.0014 J	0.0011 J	<0.00066	0.042	0.0014 J	0.0057	0.024	0.0099	0.14
SB-8	2/17/16	20.0	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	0.0069	<0.00066	<0.00066
SB-8	2/17/16	25.0	<0.00066	<0.00033	0.00039 J	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	0.0047	0.0021	0.00089 J
SB-8	2/17/16	29.5	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	0.0029	0.00080 J	<0.00066
SB-9	2/16/16	3.0	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	0.00050 J	<0.00066	<0.00066	<0.00066	<0.00066	0.00088 J	<0.00066	<0.00066
SB-9	2/16/16	5.0	<0.00066	<0.00033	<0.00033	0.00066 J	0.00081 J	0.00095 J	0.00068 J	<0.00066	0.00073 J	<0.00066	0.00068 J	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066
SB-9	2/16/16	10.0	0.0013 J	<0.00033	0.00081 J	0.00098 J	<0.00066	<0.00066	<0.00066	<0.00066	0.00089 J	<0.00066	0.0019	0.0013 J	<0.00066	0.015	0.0021	0.0018
SB-9	2/16/16	15.0	0.0050	0.0016 J	0.0050	0.0082	0.0057	0.0072	0.0028	0.0028	0.0082	0.00084 J	0.017	0.0051	0.0026	<0.00066	0.025	0.015
SB-9	2/16/16	20.0	0.0033	0.00045 J	0.0094	0.015	0.0089	0.012	0.0029	0.0043	0.015	0.0011 J	0.056	0.0049	0.0031	0.0048	0.0086	0.049
SB-9	2/16/16	25.0	0.074	0.014	0.11	0.19	0.11	0.16	0.026	0.060	0.16	0.0095	0.52	0.079	0.028	9.6	0.52	0.46
SB-9	2/16/16	29.5	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	0.016	0.0011 J	<0.00066
SB-10	2/18/16	3.0	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	0.00052 J	<0.00066	<0.00066	<0.00066	<0.00066	0.0022	0.00075 J	<0.00066
SB-10	2/18/16	5.0	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	0.00088 J	<0.00066
SB-10	2/18/16	10.0	<0.00067	<0.00033	<0.00033	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00033	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
SB-10	2/18/16	15.0	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	0.00097 J	<0.00066	<0.00066
SB-10	2/18/16	20.0	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	0.0035	<0.00066	<0.00066
SB-10	2/18/16	25.0	<0.00067	<0.00033	<0.00033	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00033	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
SB-10	2/18/16	29.5	<0.00066	<0.00033	0.00099 J	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00033	<0.00066	0.00069 J	<0.00066	<0.00066	0.0011 J	<0.00066	0.00089 J
SB-11	2/18/16	3.0	<0.00066	<0.00033	0.00036 J	<0.00066	<0.00066	0.0010 J	0.00074 J	<0.00066	0.0014 J	<0.00066	0.0016 J	<0.00066	<0.00066	0.0026	0.0023	0.0011 J
SB-11	2/18/16	5.0	<0.00067	<0.00033	<0.00033	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.00079 J	<0.00067	0.0010 J	<0.00067	<0.00067	0.0013 J	0.0011 J	0.00075 J
SB-11	2/18/16	10.0	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066
SB-11	2/18/16	15.0	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	0.00047 J	<0.00066	<0.00066	<0.00066	<0.00066	0.00073 J	<0.00066	<0.00066
SB-11	2/18/16	20.0	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	0.0010 J	<0.00066	<0.00066
SB-11	2/18/16	25.0	<0.00066	0.00087 J	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	0.0010 J	<0.00066	<0.00033	<0.00066	0.0020	<0.00066	<0.00066	0.0012 J	0.0034
SB-11	2/18/16	29.5	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066

TABLE 3

SOIL ANALYTICAL DATA - SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs)  
 FORMER CHEVRON SERVICE STATION 93322  
 7225 BANCROFT AVENUE  
 OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
<i>Concentrations reported in milligrams/kilogram (mg/kg)</i>																		
SB-12	2/16/16	3.0	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	0.00073 J	<0.00066	0.00082 J	<0.00066	<0.00066	0.0031	0.0010 J	<0.00066
SB-12	2/16/16	5.0	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066
SB-12	2/16/16	10.0	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066
SB-12	2/16/16	15.0	0.00084 J	<0.00033	0.0026	0.0024	0.0013 J	0.0017	<0.00066	<0.00066	0.0020	<0.00066	0.0069	0.00094 J	<0.00066	0.0036	0.0020	0.0064
SB-12	2/16/16	20.0	<0.00066	<0.00033	0.00048 J	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	0.0027	<0.00066	<0.00066
SB-12	2/16/16	25.0	0.0082	0.0028	0.0073	0.0085	0.0048	0.0070	0.0014 J	0.0026	0.0069	<0.00066	0.018	0.0079	0.0012 J	0.75	0.024	0.017
SB-12	2/16/16	29.5	0.0058	0.0025	0.0053	0.0064	0.0037	0.0052	0.0012 J	0.0020	0.0055	<0.00066	0.013	0.0077	0.00095 J	0.96	0.017	0.013
SB-13	2/17/16	3.0	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	0.00091 J	0.00073 J	<0.00066	0.0013 J	<0.00066	0.0010 J	<0.00066	<0.00066	0.0019	0.0014 J	0.00077 J
SB-13	2/17/16	5.0	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	0.00076 J	<0.00066	0.00096 J	<0.00066	<0.00066	0.0016 J	0.00094 J	<0.00066
SB-13	2/17/16	10.0	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	0.00073 J	<0.00066	<0.00066
SB-13	2/17/16	15.0	0.0028	0.00095 J	0.0020	0.0068 J	<0.00066	<0.00066	<0.00066	<0.00066	0.00071 J	<0.00066	0.00077 J	0.0027	<0.00066	0.054	0.0051	0.0012 J
SB-13	2/17/16	20.0	0.026	0.011	0.024	0.0084	0.0033	0.0027	0.0017	0.0012 J	0.0052	<0.00066	0.010	0.015	0.00080 J	7.7	0.057	0.011
SB-13	2/17/16	25.0	0.024	0.021	0.029	0.014	0.0048	0.0044	0.0028	0.0026	0.0087	<0.00066	0.014	0.024	0.0011 J	9.3	0.074	0.019
SB-13	2/17/16	29.5	0.050	0.047	0.034	0.021	0.0077	0.0055	0.0054	0.0034	0.012	<0.00067	0.021	0.038	0.0018	18	0.13	0.030

**Notes:**  
 <x = Not detected at reporting limit x  
 fbg = feet below grade  
 J = Estimated value ≥ Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)



**TABLE 4**  
**GRAB-GROUNDWATER ANALYTICAL DATA**  
**FORMER CHEVON SERVICE STATION 93322**  
**7225 BANCROFT AVENUE**  
**OAKLAND, CALIFORNIA**

Sample ID	Date	Depth (fbg)	TPHm				Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol	Other VOCs*	SVOCs*	Hg	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Mo	Ni	Se	Ag	Tl	V	Zn	Pesticides	PCBs
			TPH	o	TPHd	TPHg																																	
<b>WQOs - Groundwater</b>			<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>1</b>	<b>40</b>	<b>13</b>	<b>20</b>	<b>5</b>	<b>12</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>0.5</b>	<b>0.05</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	
SB-8	02/17/16	--	--	--	--	1,700	3	<0.5	4	1 J	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-9	02/16/16	--	--	--	--	17,000	1,400	360	430	370	97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-11	02/18/16	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	09/28/00	--	5,400	--	--	--	38	17	470	730	70	<50	<2.0	<2.0	18	--	--	<500	--	11a, 39b	<0.00020	<0.10	<0.10	0.16	<0.010	<0.010	0.050	<0.010	<0.010	<0.020	<0.010	0.037	<0.10	0.043	0.24	0.013	0.54	10.8c,	ND
MW-3	09/28/00	--	24,000	--	--	--	1,500	560	1,500	5,700	1,400	<500	<20	<20	500	--	--	<5,000	--	51a, 200b	<0.00020	<0.10	<0.10	0.34	<0.010	<0.010	<0.010	<0.010	<0.010	<0.020	<0.010	<0.010	<0.10	0.044	0.24	<0.010	0.041	16.0c	ND
MW-7	09/28/00	--	4,100	--	--	--	2,000	1,600	180	670	82	<500	<20	<20	<20	--	--	<5,000	--	17a, 120b	<0.00020	<0.10	<0.10	0.098	<0.010	<0.010	<0.010	<0.010	<0.010	<0.020	0.017	0.018	<0.10	0.051	<0.10	<0.010	0.067	<b>ND</b>	<b>ND</b>

**Notes:**  
WQO = Water Quality Objective (Regional Water Quality Control Board, San Francisco Bay Region (RWQCB), Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Interim Final 2016)  
Total purgable hydrocarbons (TPH) by DHS LUFT Method  
Total petroleum hydrocarbons as motor oil (TPHmo) analyzed by EPA Method 8015B modified unless otherwise noted.  
Total petroleum hydrocarbons as diesel (TPHd) analyzed by EPA Method 8015B with silica gel cleanup unless otherwise noted.  
Total petroleum hydrocarbons as gasoline (TPHg) analyzed by EPA Method 8015B modified unless otherwise noted.  
Benzene, toluene, ethylbenzene, and xylenes (BTEX); methyl tertiary-butyl ether (MTBE); t-butyl alcohol (TBA); di-isopropyl ether (DIPE); ethyl tertiary-butyl ether (ETBE); t-amyl methyl ether (TAME); 1,2-dichloroethane (1,2-DCA); 1,2-dibromoethane (EDB)  
Volatile Organic Compounds (VOCs) by EPA Method 8260B  
Semivolatile Organic Compounds (SVOCs) by EPA Method 8270C  
Hg = mercury, As = antimony, Ba = barium, Be = beryllium, Cd = Cadmium, Cr = chromium, Co = cobalt, Cu = copper, Pb = lead, Mo = molybdenum, Ni = nickel, Se = selenium, Ag = silver, Tl = thallium, V = vanadium, Zn = zinc by EPA 6000/7000 Series Methods  
Organochlorine Pesticides (Pesticides) analyzed by EPA Method 8081A, concentrations below detection limits unless otherwise noted  
Polychlorinated biphenyls (PCBs) by EPA Method 8082, concentrations below detection limits unless otherwise noted  
fbg = feet below grade.  
<x = Not detected at reporting limit x.  
ND = Not detected at various laboratory method detection limits.  
NE = Not Established

\* = Refer to related investigation report for complete analytical results: only detected compound concentrations reported  
a = 2-methylnaphthalene  
b = naphthalene  
c = delta-BHC

Table 5

**Groundwater Monitoring and Sampling Data  
Former Chevron Service Station 93322  
7225 Bancroft Avenue  
Oakland, California**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCs					ADDITIONAL VOCs					
							TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME	
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-1	02/08/1998	40.41	13.88	26.53	0.00	0.00	130,000	9,700	8,200	3,200	15,000	-	<250.0	-	-	-	-	-	-
MW-1	06/16/1998	40.41	14.23	26.18	0.00	0.00	96,000	15,000	12,000	2,600	11,000	-	1,300	-	-	-	-	-	-
MW-1	07/29/1998	40.41	17.82	22.59	0.00	0.00	370,000	19,000	14,000	5,800	15,000	-	<2,500	-	-	-	-	-	-
MW-1	08/13/1998	40.41	18.40	22.01	0.00	0.00	120,000	19,000	16,000	2,900	14,000	-	<1,000	-	-	-	-	-	-
MW-1	11/24/1998	40.41	20.80	19.61	0.00	0.00	100,000	26,000	18,000	4,000	22,000	-	2,000	-	-	-	-	-	-
MW-1	02/03/1999	40.41	17.45	22.96	0.00	0.00	110,000	27,000	16,000	3,800	22,000	-	<2.5	-	-	-	-	-	-
MW-1	06/07/1999	40.41	16.44	24.29	0.40	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	09/07/1999	40.41	20.71	19.97	0.34	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	10/27/1999	40.41	21.75	18.93	0.34	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/08/2000	40.41	17.97	22.44	0.00	0.00	147,000	19,600	13,700	4,020	21,300	-	<2,500	-	-	-	-	-	-
MW-1	05/05/2000	40.41	16.05	24.36	0.00	0.00	150,000 <sup>2</sup>	28,000	17,000	4,400	23,000	-	<1,000	-	-	-	-	-	-
MW-1	07/28/2000	40.41	19.20	21.21	0.00	0.00	76,000 <sup>2</sup>	20,000	15,000	3,400	23,000	-	1,200	-	-	-	-	-	-
MW-1	11/26/2000	40.41	20.18	20.44	0.26	0.26 <sup>4</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/09/2001	40.41	18.03	22.40	0.03	0.26 <sup>4</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/11/2001	40.41	15.10	25.31	0.00	0.00	89,000 <sup>2</sup>	21,000	12,000	3,200	14,000	-	<500	-	-	-	-	-	-
MW-1	08/30/2001	40.41	20.42	20.05	0.07	0.26 <sup>4</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	11/21/2001	40.41	20.52	20.11	0.27	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/05/2002	40.41	14.63	25.79	0.01	0.00	130,000	16,000	13,000	4,200	23,000	-	<30.0	-	-	-	-	-	-
MW-1	04/01/2002	37.40	12.37	25.03	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	08/05/2002	37.40	12.94	24.46	0.00	0.00	230,000	12,000	9,000	5,500	28,000	-	280	-	-	-	-	-	-
MW-1	11/04/2002	37.40	20.03	17.37	0.00	0.00	130,000	24,000	15,000	3,900	20,000	-	<60	-	-	-	-	-	-
MW-1	02/03/2003	37.40	14.18	23.22	0.00	0.00	100,000	13,000	8,900	3,000	15,000	-	<130.0	-	-	-	-	-	-
MW-1	05/02/2003	37.40	13.28	24.12	0.00	0.00	140,000	9,900	5,900	4,200	21,000	-	<130	-	-	-	-	-	-
MW-1	08/01/2003 <sup>7</sup>	37.40	16.82	20.58	0.00	0.00	250,000	16,000	7,300	3,700	19,000	45	-	-	-	-	-	-	-
MW-1	11/21/2003 <sup>7</sup>	37.40	18.34	19.06	0.00	0.00	110,000	18,000	9,500	3,000	17,000	<10	-	-	-	-	-	-	-
MW-1	02/10/2004 <sup>7</sup>	37.40	13.51	23.89	0.00	0.00	51,000	4,800	1,700	760	6,400	20	-	-	-	-	-	-	-
MW-1	05/11/2004 <sup>7</sup>	37.40	14.35	23.05	0.00	0.00	80,000	13,000	6,500	2,800	14,000	61	-	-	-	-	-	-	-

Table 5

**Groundwater Monitoring and Sampling Data  
Former Chevron Service Station 93322  
7225 Bancroft Avenue  
Oakland, California**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCs					ADDITIONAL VOCs					
							TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME	
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-1	08/10/2004 <sup>7</sup>	37.40	16.80	20.61	0.01	0.00	100,000	14,000	8,700	3,200	17,000	<25	-	-	-	-	-	-	-
MW-1	11/08/2004	37.40	15.63	21.89	0.15	1.30 <sup>4</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/21/2005	37.40	11.84	25.98	0.52	0.60 <sup>4</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/10/2005	37.40	11.49	26.11	0.25	1.11 <sup>4</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/12/2005	37.40	14.44	22.98	0.03	1.01 <sup>4</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	11/11/2005	37.40	18.58	19.13	0.39	0.75 <sup>4</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/20/2006	37.40	12.66	25.33	0.74	0.25 <sup>4</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/12/2006	37.40	10.71	26.92	0.29	0.05 <sup>4</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	08/14/2006	37.40	15.82	21.78	0.25	0.02 <sup>4</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	11/08/2006	37.40	18.49	19.21	0.38	0.55 <sup>4</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/07/2007	37.40	15.48	21.98	0.08	0.06 <sup>10</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/07/2007	37.40	4.83	32.77	0.25	0.39 <sup>4</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	08/03/2007	37.40	18.06	19.76	0.52	0.52 <sup>4</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	10/12/2007	37.40	19.29	18.13	0.03	0.16 <sup>4</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	11/02/2007 <sup>7</sup>	37.40	19.18	18.22	0.00	0.00	140,000	9,800	9,500	4,100	20,000	<10	-	-	-	-	-	-	-
MW-1	12/07/2007 <sup>7</sup>	37.40	19.06	18.34	0.00	0.00	130,000	11,000	11,000	3,800	20,000	10	-	-	-	-	-	-	-
MW-1	02/01/2008 <sup>7</sup>	37.40	13.45	23.95	0.00	0.00	61,000	2,200	2,000	2,000	10,000	11	-	-	-	-	-	-	-
MW-1	05/09/2008 <sup>7</sup>	37.40	15.10	22.30	0.00	0.00	81,000	13,000	10,000	3,500	18,000	30	-	-	-	-	-	-	-
MW-1	08/22/2008 <sup>7</sup>	37.40	18.63	18.77	0.00	0.00	210,000	13,000	8,800	7,300	37,000	<50	-	-	-	-	-	-	-
MW-1	11/26/2008 <sup>7</sup>	37.40	20.09	17.31	0.00	0.00	68,000	15,000	9,100	3,600	17,000	<25	-	-	-	-	-	-	-
MW-1	05/20/2009	37.40	19.48	17.92	0.00	0.00	58,000	11,000	12,000	15,000	59,000	<50	-	<5,000	-	-	-	-	-
MW-1	08/26/2009	37.40	19.06	18.34	0.00	0.00	340,000	17,000	13,000	8,000	43,000	<25	-	<2,500	-	-	-	-	-
MW-1	11/12/2009	37.40	17.72	19.68	0.00	0.00	140,000	16,000	10,000	4,400	23,000	<10	-	<1,000	-	-	-	-	-
MW-1	02/01/2010	37.40	12.80	24.60	0.00	0.00	110,000	7,100	6,100	4,000	20,000	7 J	-	<500	-	-	-	-	-
MW-1	05/17/2010	37.40	11.14	26.26	0.00	0.00	75,000	7,200	3,600	2,700	12,000	31	-	<500	-	-	-	-	-
MW-1	08/26/2010	37.40	15.40	22.00	0.00	0.00	96,000	12,000	5,400	3,600	16,000	59	-	<500	-	-	-	-	-
MW-1	11/11/2010	37.40	17.70	19.70	0.00	0.00	120,000	13,000	6,600	2,700	13,000	26	-	<1,000	-	-	-	-	-

Table 5

**Groundwater Monitoring and Sampling Data  
Former Chevron Service Station 93322  
7225 Bancroft Avenue  
Oakland, California**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCs					ADDITIONAL VOCs					
							TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME	
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-1	02/10/2011	37.40	13.03	24.37	0.00	0.00	52,000	7,100	3,800	2,800	12,000	25	-	<1,000	-	-	-	-	-
MW-1	06/17/2011	37.40	12.35	25.05	0.00	0.00	30,000	3,600	940	1,000	3,200	52	-	<500	-	-	-	-	-
MW-1	09/08/2011	37.40	15.68	21.72	0.00	0.00	98,000	13,000	6,600	3,700	14,000	59	-	<1,000	-	-	-	-	-
MW-1	12/16/2011	37.40	16.47	20.93	0.00	0.00	140,000	14,000	6,500	2,900	12,000	47 J	-	<2,500	-	-	-	-	-
MW-1	03/02/2012	37.40	16.55	20.85	0.00	0.00	130,000	14,000	7,400	3,100	14,000	31	-	<1,000	-	-	-	-	-
MW-1	06/08/2012	37.40	14.11	23.29	0.00	0.00	120,000	8,900	2,900	2,600	11,000	86	-	<500	-	-	-	-	-
MW-1	09/14/2012	37.40	18.10	19.30	0.00	0.00	280,000	18,000	8,200	4,600	22,000	74	-	<2,500	110 J	<25	<25	<25	<25
MW-1	12/21/2012	37.40	13.61	23.79	0.00	0.00	120,000	12,000	6,800	3,000	15,000	<100	-	<10,000	-	-	-	-	-
MW-1	04/01/2013	37.40	15.63	21.77	0.00	0.00	120,000	15,000	8,200	4,400	18,000	77	-	<250	-	-	-	-	-
MW-1	6/28/2013	37.40	17.34	20.06	0.00	0.00	130,000	16,000	10,000	3,500	17,000	34	-	<500	-	-	-	-	-
MW-1	9/20/2013	37.40	19.21	18.19	0.00	0.00	130,000	19,000	12,000	4,000	19,000	27	-	<1,000	-	-	-	-	-
MW-1	12/30/2013	37.40	20.72	16.68	0.00	0.00	140,000	18,000	13,000	6,600	34,000	21	-	<1,000	-	-	-	-	-
MW-1	3/31/2014	37.40	15.78	21.62	0.00	0.00	130,000	17,000	8,600	3,500	17,000	<25	-	<2,500	-	-	-	-	-
MW-1	6/30/2014	37.40	17.34	20.06	0.00	0.00	90,000	12,000	7,400	2,800	14,000	21	-	<1,000	-	-	-	-	-
MW-1	9/22/2014	37.40	20.31	17.09	0.00	0.00	120,000	14,000	9,600	4,000	19,000	28 J	-	<2,500	-	-	-	-	-
MW-1	12/23/2014	37.40	13.75	23.65	0.00	0.00	93,000	8,900	5,700	3,400	15,000	11 J	-	<1,000	-	-	-	-	-
MW-1	3/5/2015	37.40	15.96	21.44	0.00	0.00	110,000	9,600	4,100	4,000	19,000	54	-	<100	-	-	-	-	-
MW-1	06/23/2015	37.40	18.61	18.79	0.00	0.00	100,000	14,000	8,700	4,100	20,000	<50	-	<5,000	<200	<50	<50	<50	<50
MW-1	09/23/2015 <sup>15,17</sup>	37.40	21.46	16.01	0.09	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>MW-1</b>	<b>12/29/2015</b>	<b>37.40</b>	<b>18.76</b>	<b>18.64</b>	<b>0.00</b>	<b>0.00</b>	<b>84,000</b>	<b>7,800</b>	<b>5,200</b>	<b>2,200</b>	<b>10,000</b>	-	-	<b>&lt;2,500</b>	-	-	-	-	-
MW-2	02/08/1998	38.73	7.60	31.13	0.00	0.00	24,000	130	170	450	1,900	-	2,300	-	-	-	-	-	-
MW-2	06/16/1998	38.73	9.12	29.61	0.00	0.00	8,900	31	46	310	1,100	-	260	-	-	-	-	-	-
MW-2	07/29/1998	38.73	11.67	27.06	0.00	0.00	7,600	15	21	150	480	-	82	-	-	-	-	-	-
MW-2	08/13/1998	38.73	12.41	26.32	0.00	0.00	14,000	26	80	500	2,100	-	32	-	-	-	-	-	-
MW-2	11/24/1998	38.73	15.63	23.10	0.00	0.00	37,000	63	220	1,300	7,100	-	770	-	-	-	-	-	-
MW-2	02/03/1999	38.73	11.57	27.16	0.00	0.00	16,000	140	110	850	3,100	-	900	-	-	-	-	-	-

Table 5

**Groundwater Monitoring and Sampling Data  
Former Chevron Service Station 93322  
7225 Bancroft Avenue  
Oakland, California**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCs					ADDITIONAL VOCs					
							TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME	
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-2	06/07/1999	38.73	10.95	27.78	0.00	0.00	4,300	<10	<10	120	260	-	160	-	-	-	-	-	-
MW-2	09/07/1999	38.73	12.73	26.00	0.00	0.00	10,700	50.5	<25	297	1,020	-	<250	-	-	-	-	-	-
MW-2	10/27/1999	38.73	12.71	26.02	0.00	0.00	7,240	53.8	31.9	234	654	-	448	-	-	-	-	-	-
MW-2	02/08/2000	38.73	10.14	28.59	0.00	0.00	10,100	42.9	18.4	424	1,480	-	206	-	-	-	-	-	-
MW-2	05/05/2000	38.73	10.12	28.61	0.00	0.00	7,800 <sup>2</sup>	34	22	320	1,100	-	170	-	-	-	-	-	-
MW-2	07/28/2000	38.73	12.57	26.16	0.00	0.00	6,700 <sup>2</sup>	40	13	490	540	-	190	-	-	-	-	-	-
MW-2	11/26/2000	38.73	11.90	26.83	0.00	0.00	8,200 <sup>2</sup>	21	9.5	400	1,100	-	120	-	-	-	-	-	-
MW-2	02/09/2001	38.73	12.20	26.53	0.00	0.00	11,200 <sup>3</sup>	<50.0	<50.0	629	1,380	-	282	-	-	-	-	-	-
MW-2	05/11/2001	38.73	8.98	29.75	0.00	0.00	6,800 <sup>2</sup>	39	19	370	1,100	-	67	-	-	-	-	-	-
MW-2	08/30/2001	38.73	12.90	25.83	0.00	0.00	17,000	67	<25	750	2,100	-	360	-	-	-	-	-	-
MW-2	11/21/2001	38.73	13.12	25.61	0.00	0.00	3,500	14	<5.0	100	51	-	610	-	-	-	-	-	-
MW-2	02/05/2002	38.73	8.35	30.38	0.00	0.00	10,000	5.5	<10	330	960	-	63	-	-	-	-	-	-
MW-2	04/01/2002	35.72	7.81	27.91	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	08/05/2002	35.72	15.91	19.81	0.00	0.00	8,800	18	8.2	220	630	-	220	-	-	-	-	-	-
MW-2	11/04/2002	35.72	14.14	21.58	0.00	0.00	14,000	28	10	670	1,600	-	440	-	-	-	-	-	-
MW-2	02/03/2003	35.72	10.00	25.72	0.00	0.00	7,200	6.2	2.7	140	430	-	50	-	-	-	-	-	-
MW-2	05/02/2003	35.72	8.31	27.41	0.00	0.00	12,000	<20	3.9	350	1,500	-	150	-	-	-	-	-	-
MW-2	08/01/2003 <sup>7</sup>	35.72	12.66	23.06	0.00	0.00	12,000	14	4	330	730	140	-	-	-	-	-	-	-
MW-2	11/21/2003 <sup>7</sup>	35.72	12.67	23.05	0.00	0.00	15,000	13	4	400	1,500	100	-	-	-	-	-	-	-
MW-2	02/10/2004 <sup>7</sup>	35.72	5.20	30.52	0.00	0.00	17,000	9	3	420	1,600	72	-	-	-	-	-	-	-
MW-2	05/11/2004 <sup>7</sup>	35.72	9.83	25.89	0.00	0.00	4,800	1	0.6	140	440	81	-	-	-	-	-	-	-
MW-2	08/10/2004 <sup>7</sup>	35.72	11.81	23.91	0.00	0.00	11,000	8	1	340	1,100	35	-	-	-	-	-	-	-
MW-2	11/08/2004 <sup>7</sup>	35.72	11.59	24.13	0.00	0.00	11,000	6	2	260	810	25	-	-	-	-	-	-	-
MW-2	01/11/2005	-	-	-	-	-	4,500	4	1	120	310	7	-	-	-	-	-	-	-
MW-2	02/21/2005 <sup>7</sup>	35.72	7.74	27.98	0.00	0.00	16,000	5	2	500	1,700	10	-	-	-	-	-	-	-
MW-2	05/10/2005 <sup>7</sup>	35.72	8.11	27.61	0.00	0.00	8,400	3	<1	290	750	6	-	-	-	-	-	-	-
MW-2	08/12/2005 <sup>7</sup>	35.72	11.32	24.40	0.00	0.00	5,800	4	0.7	150	370	30	-	-	-	-	-	-	-

Table 5

**Groundwater Monitoring and Sampling Data**  
**Former Chevron Service Station 93322**  
**7225 Bancroft Avenue**  
**Oakland, California**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCS					ADDITIONAL VOCS					
							TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME	
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-2	11/11/2005 <sup>7</sup>	35.72	12.58	23.14	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	02/20/2006 <sup>7</sup>	35.72	7.41	28.31	0.00	0.00	5,700	1	<0.5	190	380	0.7	-	-	-	-	-	-	-
MW-2	05/12/2006 <sup>7</sup>	35.72	7.02	28.70	0.00	0.00	9,100	2	<0.5	210	440	1	-	-	-	-	-	-	-
MW-2	08/14/2006 <sup>7</sup>	35.72	11.38	24.34	0.00	0.00	2,400	2	<0.5	42	98	20	-	-	-	-	-	-	-
MW-2	11/08/2006 <sup>7</sup>	35.72	13.42	22.30	0.00	0.00	5,700	4	0.9	87	190	7	-	-	-	-	-	-	-
MW-2	02/07/2007 <sup>7</sup>	35.72	11.98	23.74	0.00	0.00	5,500	9	2	85	120	7	-	-	-	-	-	-	-
MW-2	05/07/2007 <sup>7</sup>	35.72	11.22	24.50	0.00	0.00	8,700	1	<0.5	150	330	5	-	-	-	-	-	-	-
MW-2	08/03/2007 <sup>7</sup>	35.72	17.19	18.53	0.00	0.00	2,600	<0.5	<0.5	10	28	2	-	-	-	-	-	-	-
MW-2	10/12/2007 <sup>7</sup>	35.72	14.89	20.83	0.00	0.00	9,300	7	0.6	100	120	4	-	-	-	-	-	-	-
MW-2	11/02/2007 <sup>7</sup>	35.72	15.58	20.14	0.00	0.00	11,000	3	0.7	220	590	2	-	-	-	-	-	-	-
MW-2	12/07/2007 <sup>7</sup>	35.72	19.29	16.43	0.00	0.00	9,500	3	<1	210	480	2	-	-	-	-	-	-	-
MW-2	02/01/2008 <sup>7</sup>	35.72	8.76	26.96	0.00	0.00	8,100	2	0.7	190	440	4	-	-	-	-	-	-	-
MW-2	05/09/2008 <sup>7</sup>	35.72	11.22	24.50	0.00	0.00	4,000	1	<0.5	98	110	3	-	-	-	-	-	-	-
MW-2	08/22/2008 <sup>7</sup>	35.72	13.87	21.85	0.00	0.00	9,600 <sup>12</sup>	1	<0.5	230	360	0.9	-	-	-	-	-	-	-
MW-2	11/26/2008 <sup>7</sup>	35.72	17.48	18.24	0.00	0.00	13,000	9	1	340	570	3	-	-	-	-	-	-	-
MW-2	05/20/2009	35.72	10.70	25.02	0.00	0.00	12,000	3	<1	250	290	2 J	-	<130	-	-	-	-	-
MW-2	08/26/2009	35.72	12.98	22.74	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	11/12/2009	35.72	12.13	23.59	0.00	0.00	14,000	3	0.8 J	180	250	13	-	<50	-	-	-	-	-
MW-2	05/17/2010	35.72	11.96	23.76	0.00	0.00	3,300	<0.5	<0.5	36	34	3	-	<50	-	-	-	-	-
MW-2	08/26/2010 <sup>11</sup>	35.72	12.10	23.62	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	11/11/2010	35.72	13.72	22.00	0.00	0.00	9,000	6	1 J	61	30	5	-	<50	-	-	-	-	-
MW-2	02/10/2011 <sup>13</sup>	35.72	9.46	26.26	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	06/17/2011	35.72	8.68	27.04	0.00	0.00	9,300	3	<1	92	55	4	-	<100	-	-	-	-	-
MW-2	09/08/2011	35.72	9.69	26.03	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/16/2011	35.72	12.18	23.54	0.00	0.00	5,700	1	<0.5	36	19	<0.5	-	<50	-	-	-	-	-
MW-2	03/02/2012 <sup>13</sup>	35.72	12.09	23.63	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	06/08/2012	35.72	11.08	24.64	0.00	0.00	5,600	<5	<5	48	24	<5	-	<500	-	-	-	-	-



Table 5

**Groundwater Monitoring and Sampling Data  
Former Chevron Service Station 93322  
7225 Bancroft Avenue  
Oakland, California**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCS					ADDITIONAL VOCS					
							TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME	
		Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-2	09/14/2012 <sup>13</sup>	35.72	13.57	22.15	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/21/2012	35.72	8.52	27.20	0.00	0.00	3,100	<5	<5	23	12	<5	-	<500	-	-	-	-	-
MW-2	04/01/2013 <sup>13</sup>	35.72	11.90	23.82	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	06/28/2013	35.72	13.61	22.11	0.00	0.00	6,700	2	<0.5	36	9	<0.5	-	<50	-	-	-	-	-
MW-2	09/20/2013 <sup>13</sup>	35.72	14.02	21.70	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/30/2013	35.72	14.68	21.04	0.00	0.00	7,700	4	0.8 J	31	6	0.7 J	-	<50	-	-	-	-	-
MW-2	03/31/2014 <sup>13</sup>	35.72	11.59	24.13	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	06/30/2014	35.72	13.12	22.60	0.00	0.00	8,200	2	0.6 J	59	9	1	-	<50	-	-	-	-	-
MW-2	09/22/2014 <sup>13</sup>	35.72	15.20	20.52	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/23/2014	35.72	7.90	27.82	0.00	0.00	4,600	0.8 J	<0.5	20	4	2	-	<50	-	-	-	-	-
MW-2	03/05/2015 <sup>13</sup>	35.72	10.70	25.02	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	06/23/2015	35.72	12.80	22.92	0.00	0.00	8,400	<3	<3	60	7	<3	-	<250	<10	<3	<3	<3	<3
MW-2	09/23/2015 <sup>13</sup>	35.72	15.42	20.30	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>MW-2</b>	<b>12/29/2015</b>	<b>35.72</b>	<b>10.74</b>	<b>24.98</b>	<b>0.00</b>	<b>0.00</b>	<b>5,200</b>	<b>0.6 J</b>	<b>&lt;0.5</b>	<b>15</b>	<b>3</b>	<b>-</b>	<b>-</b>	<b>&lt;50</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
MW-3	02/08/1998	39.51	14.60	24.91	0.00	0.00	94,000	12,000	4,400	2,000	10,000	-	8,000	-	-	-	-	-	-
MW-3	06/16/1998	39.51	13.98	25.53	0.00	0.00	38,000	5,600	1,400	1,200	4,700	-	4,600 <sup>1</sup> /6,300	-	-	-	-	-	-
MW-3	07/29/1998	39.51	17.37	22.14	0.00	0.00	58,000	4,100	700	1,300	4,200	-	4,100	-	-	-	-	-	-
MW-3	08/13/1998	39.51	18.22	21.29	0.00	0.00	43,000	6,800	1,900	1,600	6,800	-	2,300	-	-	-	-	-	-
MW-3	11/24/1998	39.51	20.45	19.06	0.00	0.00	40,000	5,000	800	1,600	6,800	-	6,000/4,400 <sup>1</sup>	-	-	-	-	-	-
MW-3	02/03/1999	39.51	17.48	22.03	0.00	0.00	47,000	7,100	1,600	1,900	9,000	-	5,000	-	-	-	-	-	-
MW-3	06/07/1999	39.51	15.75	23.76	0.00	0.00	27,000	2,500	540	1,200	3,900	-	2,800	-	-	-	-	-	-
MW-3	09/07/1999	39.51	19.71	19.80	0.00	0.00	44,000	3,930	1,170	1,760	7,130	-	3,440	-	-	-	-	-	-
MW-3	10/27/1999	39.51	20.42	19.09	0.00	0.00	28,200	2,030	620	1,260	5,080	-	1,710	-	-	-	-	-	-
MW-3	02/08/2000	39.51	17.75	21.76	0.00	0.00	25,300	2,000	668	1,210	5,330	-	1,760	-	-	-	-	-	-
MW-3	05/05/2000	39.51	15.64	23.87	0.00	0.00	27,000 <sup>2</sup>	2,600	960	1,500	5,200	-	2,500	-	-	-	-	-	-
MW-3	07/28/2000	39.51	18.23	21.28	0.00	0.00	7,400 <sup>2</sup>	950	360	840	3,200	-	1,700	-	-	-	-	-	-

Table 5

**Groundwater Monitoring and Sampling Data  
Former Chevron Service Station 93322  
7225 Bancroft Avenue  
Oakland, California**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCs					ADDITIONAL VOCs					
							TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME	
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-3	11/26/2000	39.51	19.38	20.13	0.00	0.00	20,000 <sup>2</sup>	1,800	690	1,400	5,500	-	1,600	-	-	-	-	-	-
MW-3	02/09/2001	39.51	17.72	21.79	0.00	0.00	31,200 <sup>3</sup>	1,980	<50.0	1,770	7,220	-	2,170	-	-	-	-	-	-
MW-3	05/11/2001	39.51	14.65	24.86	0.00	0.00	18,000 <sup>2</sup>	3,000	780	1,600	5,500	-	1,800	-	-	-	-	-	-
MW-3	08/30/2001	39.51	19.35	20.16	0.00	0.00	9,400	570	180	610	1,900	-	880	-	-	-	-	-	-
MW-3	11/21/2001	39.51	20.04	19.47	0.00	0.00	29,000	1,100	450	1,500	6,100	-	1,200	-	-	-	-	-	-
MW-3	02/05/2002	39.51	14.09	25.42	0.00	0.00	16,000	820	210	830	2,400	-	1,100	-	-	-	-	-	-
MW-3	04/01/2002	36.53	12.21	24.32	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	08/05/2002	36.53	14.31	22.22	0.00	0.00	11,000	310	92	380	820	-	830	-	-	-	-	-	-
MW-3	11/04/2002	36.53	19.03	17.50	0.00	0.00	32,000	1,900	540	1,800	5,900	-	1,500	-	-	-	-	-	-
MW-3	02/03/2003	36.53	13.95	22.58	0.00	0.00	19,000	1,100	240	920	2,900	-	1,100	-	-	-	-	-	-
MW-3	05/02/2003	36.53	13.07	23.46	0.00	0.00	18,000	1,200	270	1,100	2,500	-	1,400	-	-	-	-	-	-
MW-3	08/01/2003 <sup>7</sup>	36.53	16.31	20.22	0.00	0.00	7,700	300	79	410	820	780	-	-	-	-	-	-	-
MW-3	11/21/2003 <sup>7</sup>	36.53	17.89	18.64	0.00	0.00	7,600	270	100	470	1,300	700	-	-	-	-	-	-	-
MW-3	02/10/2004 <sup>7</sup>	36.53	13.06	23.47	0.00	0.00	3,800	250	28	170	300	650	-	-	-	-	-	-	-
MW-3	05/11/2004 <sup>7</sup>	36.53	13.73	22.80	0.00	0.00	1,200	60	9	76	62	530	-	-	-	-	-	-	-
MW-3	08/10/2004 <sup>7</sup>	36.53	16.09	20.44	0.00	0.00	1,600	70	9	86	62	500	-	-	-	-	-	-	-
MW-3	11/08/2004 <sup>7</sup>	36.53	15.11	21.42	0.00	0.00	4,800	280	37	260	400	760	-	-	-	-	-	-	-
MW-3	02/21/2005 <sup>7</sup>	36.53	11.45	25.08	0.00	0.00	450	0.8	<0.5	0.7	<0.5	200	-	-	-	-	-	-	-
MW-3	05/10/2005 <sup>7</sup>	36.53	10.26	26.27	0.00	0.00	220	<0.5	<0.5	<0.5	<0.5	250	-	-	-	-	-	-	-
MW-3	08/12/2005 <sup>7</sup>	36.53	16.42	20.11	0.00	0.00	2,800	94	32	150	390	370	-	-	-	-	-	-	-
MW-3	11/11/2005 <sup>7</sup>	36.53	17.59	18.94	0.00	0.00	3,800	140	46	230	430	440	-	-	-	-	-	-	-
MW-3	02/20/2006 <sup>7</sup>	36.53	11.92	24.61	0.00	0.00	390	4	0.9	5	4	290	-	-	-	-	-	-	-
MW-3	05/12/2006 <sup>7</sup>	36.53	9.38	27.15	0.00	0.00	1,100	2	<0.5	3	2	91	-	-	-	-	-	-	-
MW-3	08/14/2006 <sup>7</sup>	36.53	14.68	21.85	0.00	0.00	170	<0.5	<0.5	<0.5	0.8	21	-	-	-	-	-	-	-
MW-3	11/08/2006 <sup>7</sup>	36.53	17.43	19.10	0.00	0.00	1,900	83	17	120	130	100	-	-	-	-	-	-	-
MW-3	02/07/2007 <sup>7</sup>	36.53	15.07	21.46	0.00	0.00	7,400	340	42	310	530	170	-	-	-	-	-	-	-
MW-3	05/07/2007 <sup>7</sup>	36.53	13.32	23.21	0.00	0.00	1,200	7	<0.5	5	6	17	-	-	-	-	-	-	-

Table 5

**Groundwater Monitoring and Sampling Data  
Former Chevron Service Station 93322  
7225 Bancroft Avenue  
Oakland, California**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCs					ADDITIONAL VOCs				
							TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME
Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-3	08/03/2007 <sup>7</sup>	36.53	17.05	19.48	0.00	0.00	740	44	2	12	9	77	-	-	-	-	-	-
MW-3	10/12/2007 <sup>7</sup>	36.53	18.70	17.83	0.00	0.00	5,800	250	28	240	290	170	-	-	-	-	-	-
MW-3	11/02/2007 <sup>7</sup>	36.53	18.81	17.72	0.00	0.00	2,400	160	8	33	19	140	-	-	-	-	-	-
MW-3	12/07/2007 <sup>7</sup>	36.53	18.65	17.88	0.00	0.00	2,100	180	11	41	33	160	-	-	-	-	-	-
MW-3	02/01/2008 <sup>7</sup>	36.53	14.59	21.94	0.00	0.00	3,600	570	45	81	140	180	-	-	-	-	-	-
MW-3	05/09/2008 <sup>7</sup>	36.53	14.75	21.78	0.00	0.00	460	49	3	5	2	35	-	-	-	-	-	-
MW-3	08/22/2008 <sup>7</sup>	36.53	17.98	18.55	0.00	0.00	5,400	200	16	160	150	84	-	-	-	-	-	-
MW-3	11/26/2008 <sup>7</sup>	36.53	19.41	17.12	0.00	0.00	2,600	80	4	20	7	55	-	-	-	-	-	-
MW-3	05/20/2009	36.53	14.50	22.03	0.00	0.00	6,600	510	33	200	170	130	-	<50	-	-	-	-
MW-3	08/26/2009	36.53	18.84	17.69	0.00	0.00	7,900	290	18	180	110	120	-	<50	-	-	-	-
MW-3	02/01/2010	36.53	13.10	23.43	0.00	0.00	9,700	1,600	65	230	220	260	-	<250	-	-	-	-
MW-3	08/26/2010	36.53	14.90	21.63	0.00	0.00	15,000	1,400	84	670	710	210	-	<100	-	-	-	-
MW-3	11/11/2010 <sup>11</sup>	36.53	17.08	19.45	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	02/10/2011	36.53	12.88	23.65	0.00	0.00	6,700	710	35	270	230	130	-	<100	-	-	-	-
MW-3	06/17/2011 <sup>11</sup>	36.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	09/08/2011 <sup>11</sup>	36.53	14.93	21.60	0.00	0.00	7,700	490	29	260	190	96	-	<500	-	-	-	-
MW-3	12/16/2011 <sup>11</sup>	36.53	16.06	20.47	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	03/02/2012	36.53	15.98	20.55	0.00	0.00	7,500	490	28	240	150	89	-	<500	-	-	-	-
MW-3	06/08/2012 <sup>11</sup>	36.53	13.52	23.01	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	09/14/2012	36.53	17.24	19.29	0.00	0.00	7,600	330	15	140	54	63	-	<500	110	<5	<5	16
MW-3	12/21/2012 <sup>11</sup>	36.53	13.32	23.21	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	04/01/2013	36.53	15.01	21.52	0.00	0.00	8,000	490	27	230	140	73	-	<50	-	-	-	-
MW-3	06/28/2013 <sup>11</sup>	36.53	16.72	19.81	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	09/20/2013	36.53	18.55	17.98	0.00	0.00	11,000	610	31	270	140	81	-	<50	-	-	-	-
MW-3	12/30/2013 <sup>13</sup>	36.53	19.41	17.12	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	03/31/2014	36.53	15.81	20.72	0.00	0.00	13,000	1,100	50	350	240	170	-	<100	-	-	-	-
MW-3	06/30/2014 <sup>13</sup>	36.53	16.82	19.71	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-

Table 5

**Groundwater Monitoring and Sampling Data  
Former Chevron Service Station 93322  
7225 Bancroft Avenue  
Oakland, California**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCS					ADDITIONAL VOCS					
							TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME	
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-3	09/22/2014	36.53	19.63	16.90	0.00	0.00	12,000	770	36	280	120	97	-	<100	-	-	-	-	-
MW-3	12/23/2014 <sup>13</sup>	36.53	13.90	22.63	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	03/05/2015	36.53	14.93	21.60	0.00	0.00	13,000	1,500	70	430	280	200	-	<250	-	-	-	-	-
MW-3	06/23/2015 <sup>13</sup>	36.53	17.95	18.58	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	09/23/2015	36.53	20.88	15.65	0.00	0.00	16,000	1,300	49	360	140	130	-	<500	-	-	-	-	-
<b>MW-3</b>	<b>12/29/2015<sup>11</sup></b>	<b>36.53</b>	<b>18.92</b>	<b>17.61</b>	<b>0.00</b>	<b>0.00</b>	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	02/02/1999	40.24	13.17	27.07	0.00	0.00	<50	0.52	<0.5	<0.5	<0.5	-	6.0	-	-	-	-	-	-
MW-4	06/07/1999	40.24	16.41	23.83	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-	-
MW-4	09/07/1999	40.24	20.90	19.34	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	<5.0	-	-	-	-	-	-
MW-4	10/27/1999	40.24	21.59	18.65	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-	-
MW-4	02/08/2000	40.24	17.16	23.08	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	<5.0	-	-	-	-	-	-
MW-4	05/05/2000	40.24	16.02	24.22	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-	-
MW-4	07/28/2000	40.24	19.12	21.12	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-	-
MW-4	11/26/2000	40.24	19.92	20.32	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-	-
MW-4	02/09/2001	40.24	17.45	22.79	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	-	<2.50	-	-	-	-	-	-
MW-4	05/11/2001	40.24	15.02	25.22	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-	-
MW-4	08/30/2001	40.24	20.33	19.91	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-	-
MW-4	11/21/2001	40.24	19.75	20.49	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-	-
MW-4	02/05/2002	40.24	14.06	26.18	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-	-
MW-4	04/01/2002	37.29	12.06	25.23	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	08/05/2002	37.29	17.05	20.24	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-	-
MW-4	11/04/2002	37.29	19.73	17.56	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-	-
MW-4	02/03/2003	37.29	14.05	23.24	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-	-
MW-4	05/02/2003	37.29	12.85	24.44	0.00	0.00	<50	<0.5	<0.5	<0.5	<1.5	-	<2.5	-	-	-	-	-	-
MW-4	08/01/2003 <sup>7</sup>	37.29	16.94	20.35	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-4	11/21/2003 <sup>7</sup>	37.29	18.15	19.14	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-

Table 5

**Groundwater Monitoring and Sampling Data  
Former Chevron Service Station 93322  
7225 Bancroft Avenue  
Oakland, California**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCs					ADDITIONAL VOCs					
							TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME	
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-4	02/10/2004 <sup>7</sup>	37.29	13.02	24.27	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	-	-	-	-	-	-
MW-4	05/11/2004 <sup>7</sup>	37.29	14.15	23.14	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-4	08/10/2004 <sup>7</sup>	37.29	16.47	20.82	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-4	11/08/2004 <sup>7</sup>	37.29	14.86	22.43	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-4	02/21/2005 <sup>7</sup>	37.29	10.76	26.53	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-4	05/10/2005 <sup>7</sup>	37.29	10.25	27.04	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	-	-	-	-	-	-
MW-4	08/12/2005 <sup>7</sup>	37.29	15.25	22.04	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-4	11/11/2005 <sup>7</sup>	37.29	18.36	18.93	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-4	02/20/2006 <sup>7</sup>	37.29	11.59	25.70	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	-	-	-	-	-	-
MW-4	05/12/2006 <sup>7</sup>	37.29	9.87	27.42	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.8	-	-	-	-	-	-	-
MW-4	08/14/2006 <sup>7</sup>	37.29	15.35	21.94	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-4	11/08/2006 <sup>7</sup>	37.29	18.28	19.01	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-4	02/07/2007 <sup>7</sup>	37.29	15.40	21.89	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-4	05/07/2007 <sup>7</sup>	37.29	13.56	23.73	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-4	08/03/2007 <sup>7</sup>	37.29	17.70	19.59	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-4	10/12/2007 <sup>7</sup>	37.29	19.48	17.81	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-4	11/02/2007 <sup>7</sup>	37.29	19.41	17.88	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-4	12/07/2007 <sup>7</sup>	37.29	19.45	17.84	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-4	02/01/2008 <sup>7</sup>	37.29	13.15	24.14	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-4	05/09/2008 <sup>7</sup>	37.29	14.98	22.31	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-4	08/22/2008 <sup>7</sup>	37.29	18.67	18.62	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-4	11/26/2008 <sup>7</sup>	37.29	20.03	17.26	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-4	05/20/2009	37.29	14.89	22.40	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-4	08/26/2009	37.29	19.29	18.00	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-4	11/12/2009	37.29	17.70	19.59	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-4	02/01/2010	37.29	12.57	24.72	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-4	05/17/2010	37.29	11.15	26.14	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-

Table 5

Groundwater Monitoring and Sampling Data  
 Former Chevron Service Station 93322  
 7225 Bancroft Avenue  
 Oakland, California

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCs					ADDITIONAL VOCs					
							TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME	
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-4	08/26/2010	37.29	15.50	21.79	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-4	11/11/2010	37.29	17.34	19.95	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-4	02/10/2011	37.29	13.01	24.28	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-4	06/17/2011	37.29	12.07	25.22	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-4	09/08/2011	37.29	15.75	21.54	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-4	12/16/2011	37.29	16.80	20.49	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-4	06/08/2012	37.29	14.30	22.99	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-4	06/08/2012	37.29	14.30	22.99	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-4	09/14/2012	37.29	18.10	19.19	0.00	0.00	<50	<0.5	<0.5	<0.5	2	<0.5	-	<50	<2	<0.5	<0.5	<0.5	<0.5
MW-4	12/21/2012	37.29	13.33	23.96	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-4	04/01/2013	37.29	15.67	21.62	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-4	06/28/2013	37.29	17.47	19.82	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-4	09/20/2013	37.29	19.26	18.03	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-4	12/30/2013	37.29	20.51	16.78	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-4	03/31/2014	37.29	15.50	21.79	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-4	06/30/2014	37.29	17.51	19.78	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-4	09/22/2014	37.29	20.31	16.98	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-4	12/23/2014	37.29	13.53	23.76	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-4	03/05/2015	37.29	15.05	22.24	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-4	06/23/2015	37.29	18.76	18.53	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	<2	<0.5	<0.5	<0.5	<0.5
MW-4	09/23/2015	37.29	21.43	15.86	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
<b>MW-4</b>	<b>12/29/2015</b>	<b>37.29</b>	<b>18.38</b>	<b>18.91</b>	<b>0.00</b>	<b>0.00</b>	<b>150</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>0.6 J</b>	<b>3</b>	-	-	<b>&lt;50</b>	-	-	-	-	-
MW-5	02/02/1999	40.37	18.80	21.57	0.00	0.00	72	2.7	<0.5	<0.5	<0.5	-	11	-	-	-	-	-	-
MW-5	06/07/1999	40.37	16.98	23.39	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-	-
MW-5	09/07/1999	40.37	21.13	19.24	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	6.92	-	-	-	-	-	-
MW-5	10/27/1999	40.37	21.92	18.45	0.00	0.00	<50	2.39	<0.5	<0.5	<0.5	-	21.3	-	-	-	-	-	-



Table 5

**Groundwater Monitoring and Sampling Data  
Former Chevron Service Station 93322  
7225 Bancroft Avenue  
Oakland, California**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCS					ADDITIONAL VOCS					
							TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME	
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-5	02/08/2000	40.37	18.98	21.39	0.00	0.00	<50	10.6	<0.5	<0.5	<0.5	-	21.7	-	-	-	-	-	-
MW-5	05/05/2000	40.37	16.89	23.48	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	-	3.8	-	-	-	-	-	-
MW-5	07/28/2000	40.37	19.49	20.88	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-	-
MW-5	11/26/2000	40.37	20.69	19.68	0.00	0.00	<50	0.57	<0.50	<0.50	<0.50	-	15	-	-	-	-	-	-
MW-5	02/09/2001	40.37	18.87	21.50	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	-	9.11	-	-	-	-	-	-
MW-5	05/11/2001	40.37	15.90	24.47	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-	-
MW-5	08/30/2001	40.37	20.61	19.76	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	-	9.5	-	-	-	-	-	-
MW-5	11/21/2001	40.37	21.04	19.33	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	-	7.3	-	-	-	-	-	-
MW-5	02/05/2002	40.37	15.21	25.16	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-	-
MW-5	04/01/2002	37.40	13.45	23.95	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/05/2002	37.40	17.54	19.86	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	-	2.7	-	-	-	-	-	-
MW-5	11/04/2002	37.40	20.07	17.33	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	-	6.3	-	-	-	-	-	-
MW-5	02/03/2003	37.40	15.03	22.37	0.00	0.00	<50	<0.50	0.60	<0.50	<1.5	-	<2.5	-	-	-	-	-	-
MW-5	05/02/2003	37.40	13.96	23.44	0.00	0.00	<50	<0.5	<0.5	<0.5	<1.5	-	<2.5	-	-	-	-	-	-
MW-5	08/01/2003 <sup>7</sup>	37.40	17.40	20.00	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-5	11/21/2003 <sup>7</sup>	37.40	18.57	18.83	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-5	02/10/2004 <sup>7</sup>	37.40	14.14	23.26	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-5	05/11/2004 <sup>7</sup>	37.40	14.70	22.70	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-5	08/10/2004 <sup>7</sup>	37.40	17.08	20.32	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-5	11/08/2004 <sup>7</sup>	37.40	15.98	21.42	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-5	02/21/2005	37.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	05/10/2005 <sup>7</sup>	37.40	11.88	25.52	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	-	-	-	-	-	-
MW-5	08/12/2005 <sup>7</sup>	37.40	15.63	21.77	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-5	11/11/2005 <sup>7</sup>	37.40	18.68	18.72	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.8	-	-	-	-	-	-	-
MW-5	02/20/2006 <sup>7</sup>	37.40	12.57	24.83	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-5	05/12/2006 <sup>7</sup>	37.40	11.06	26.34	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.9	-	-	-	-	-	-	-
MW-5	08/14/2006 <sup>7</sup>	37.40	15.73	21.67	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.9	-	-	-	-	-	-	-

Table 5

Groundwater Monitoring and Sampling Data  
 Former Chevron Service Station 93322  
 7225 Bancroft Avenue  
 Oakland, California

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCs					ADDITIONAL VOCs					
							TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME	
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-5	11/08/2006 <sup>7</sup>	37.40	18.51	18.89	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	-	-	-	-	-	-
MW-5	02/07/2007 <sup>7</sup>	37.40	16.02	21.38	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.6	-	-	-	-	-	-	-
MW-5	05/07/2007 <sup>7</sup>	37.40	14.32	23.08	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-5	08/03/2007 <sup>7</sup>	37.40	18.08	19.32	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.6	-	-	-	-	-	-	-
MW-5	10/12/2007 <sup>7</sup>	37.40	19.74	17.66	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.8	-	-	-	-	-	-	-
MW-5	11/02/2007 <sup>7</sup>	37.40	19.78	17.62	0.00	0.00	61	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-5	12/07/2007 <sup>7</sup>	37.40	19.71	17.69	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-5	02/01/2008 <sup>7</sup>	37.40	14.34	23.06	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-5	05/09/2008 <sup>7</sup>	37.40	15.62	21.78	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-5	08/22/2008 <sup>7</sup>	37.40	18.96	18.44	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-5	11/26/2008 <sup>7</sup>	37.40	20.35	17.05	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.9	-	-	-	-	-	-	-
MW-5	05/20/2009	37.40	15.56	21.84	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-5	08/26/2009	37.40	19.56	17.84	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.5 J	-	<50	-	-	-	-	-
MW-5	11/12/2009	37.40	18.50	18.90	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-5	02/01/2010	37.40	14.41	22.99	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-5	05/17/2010	37.40	13.00	24.40	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-5	08/26/2010	37.40	15.90	21.50	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-5	11/11/2010	37.40	18.05	19.35	0.00	0.00	68 J	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-5	02/10/2011	37.40	13.70	23.70	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-5	06/17/2011	37.40	13.37	24.03	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-5	09/08/2011	37.40	16.15	21.25	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-5	12/16/2011	37.40	17.20	20.20	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-5	03/02/2012	37.40	17.41	19.99	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-5	06/08/2012	37.40	15.20	22.20	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-5	09/14/2012	37.40	18.40	19.00	0.00	0.00	130	<0.5	<0.5	4	22	<0.5	-	<50	<2	<0.5	<0.5	<0.5	<0.5
MW-5	12/21/2012	37.40	14.62	22.78	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-5	04/01/2013	37.40	16.10	21.30	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-

Table 5

Groundwater Monitoring and Sampling Data  
Former Chevron Service Station 93322  
7225 Bancroft Avenue  
Oakland, California

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCS					ADDITIONAL VOCS					
							TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME	
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-5	06/28/2013	37.40	17.77	19.63	0.00	0.00	150	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-5	09/20/2013	37.40	19.59	17.81	0.00	0.00	170	<0.5	<0.5	<0.5	<0.5	0.5 J	-	<50	-	-	-	-	-
MW-5	12/30/2013	37.40	20.80	16.60	0.00	0.00	170	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-5	03/31/2014	37.40	16.60	20.80	0.00	0.00	54 J	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-5	06/30/2014	37.40	18.12	19.28	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-5	09/22/2014	37.40	20.70	16.70	0.00	0.00	410	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-5	12/23/2014	37.40	15.10	22.30	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-5	03/05/2015	37.40	15.87	21.53	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
MW-5	06/23/2015	37.40	19.13	18.27	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	<2	<0.5	<0.5	<0.5	
MW-5	09/23/2015	37.40	21.86	15.54	0.00	0.00	200	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	
<b>MW-5</b>	<b>12/29/2015<sup>16</sup></b>	<b>37.40</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
MW-6	02/02/1999	39.84	18.48	21.36	0.00	0.00	14,000	5,600	<50	150	160	-	<250	-	-	-	-	-	
MW-6	06/07/1999	39.84	16.45	23.39	0.00	0.00	1,500	1,100	33	25	34	-	200	-	-	-	-	-	
MW-6	09/07/1999	39.84	20.49	19.35	0.00	0.00	6,550	2,940	81.5	177	84	-	865	-	-	-	-	-	
MW-6	10/27/1999	39.84	21.23	18.61	0.00	0.00	3,680	1,240	29.6	115	14.9	-	735	-	-	-	-	-	
MW-6	02/08/2000	39.84	18.40	21.44	0.00	0.00	17,300	8,920	<100	378	211	-	2,610	-	-	-	-	-	
MW-6	05/05/2000	39.84	16.36	23.48	0.00	0.00	4,200 <sup>2</sup>	1,900	98	170	290	-	1,300	-	-	-	-	-	
MW-6	07/28/2000	39.84	18.94	20.90	0.00	0.00	1,200 <sup>2</sup>	660	30	83	36	-	650	-	-	-	-	-	
MW-6	11/26/2000	39.84	20.13	19.71	0.00	0.00	7,600 <sup>2</sup>	4,300	63	360	110	-	2,000	-	-	-	-	-	
MW-6	02/09/2001	39.84	18.40	21.44	0.00	0.00	18,200 <sup>3</sup>	7,090	<100	457	169	-	2,930	-	-	-	-	-	
MW-6	05/11/2001	39.84	15.45	24.39	0.00	0.00	2,600 <sup>2</sup>	2,300	31	88	40	-	990	-	-	-	-	-	
MW-6	08/30/2001	39.84	20.02	19.82	0.00	0.00	2,500	1,600	50	160	100	-	1,900	-	-	-	-	-	
MW-6	11/21/2001	39.84	20.62	19.22	0.00	0.00	25,000	8,800	150	620	330	-	2,900	-	-	-	-	-	
MW-6	02/05/2002	39.84	15.80	24.04	0.00	0.00	1,400	400	6.8	27	20	-	480	-	-	-	-	-	
MW-6	04/01/2002	36.90	13.82	23.08	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
MW-6	08/05/2002	36.90	17.05	19.85	0.00	0.00	1,200	300	5.1	11	3.7	-	250	-	-	-	-	-	

Table 5

**Groundwater Monitoring and Sampling Data  
Former Chevron Service Station 93322  
7225 Bancroft Avenue  
Oakland, California**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCS					ADDITIONAL VOCS					
							TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME	
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-6	11/04/2002	36.90	19.56	17.34	0.00	0.00	7,500	2,000	29	140	39	-	1,300	-	-	-	-	-	
MW-6	02/03/2003	36.90	14.62	22.28	0.00	0.00	630	160	<5.0	9.2	2.7	-	260	-	-	-	-	-	
MW-6	05/02/2003	36.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-6	08/01/2003 <sup>7</sup>	36.90	16.88	20.02	0.00	0.00	1,500	400	3	14	3	540	-	-	-	-	-		
MW-6	11/21/2003 <sup>7</sup>	36.90	18.41	18.49	0.00	0.00	4,400	1,300	12	98	18	540	-	-	-	-	-		
MW-6	02/10/2004 <sup>7</sup>	36.90	13.70	23.20	0.00	0.00	430	110	1	4	0.7	150	-	-	-	-	-		
MW-6	05/11/2004 <sup>7</sup>	36.90	14.27	22.63	0.00	0.00	95	11	<0.5	1	0.6	120	-	-	-	-	-		
MW-6	08/10/2004 <sup>7</sup>	36.90	16.64	20.26	0.00	0.00	430	46	<0.5	3	<0.5	140	-	-	-	-	-		
MW-6	11/08/2004 <sup>7</sup>	36.90	15.63	21.27	0.00	0.00	750	50	<0.5	2	<0.5	81	-	-	-	-	-		
MW-6	02/21/2005 <sup>7</sup>	36.90	11.43	25.47	0.00	0.00	130	8	<0.5	<0.5	<0.5	60	-	-	-	-	-		
MW-6	05/10/2005 <sup>7</sup>	36.90	11.41	25.49	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-		
MW-6	08/12/2005 <sup>7</sup>	36.90	15.08	21.82	0.00	0.00	75	<0.5	<0.5	<0.5	<0.5	82	-	-	-	-	-		
MW-6	11/11/2005 <sup>7</sup>	36.90	18.16	18.74	0.00	0.00	1,100	270	12	19	46	350	-	-	-	-	-		
MW-6	02/20/2006 <sup>7</sup>	36.90	12.15	24.75	0.00	0.00	1,100	250	3	22	9	130	-	-	-	-	-		
MW-6	05/12/2006 <sup>7</sup>	36.90	10.32	26.58	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	84	-	-	-	-	-		
MW-6	08/14/2006 <sup>7</sup>	36.90	15.21	21.69	0.00	0.00	51	<0.5	<0.5	<0.5	<0.5	75	-	-	-	-	-		
MW-6	11/08/2006 <sup>7</sup>	36.90	17.97	18.93	0.00	0.00	200	3	<0.5	<0.5	<0.5	27	-	-	-	-	-		
MW-6	02/07/2007 <sup>7</sup>	36.90	15.60	21.30	0.00	0.00	1,500	120	0.8	5	1	54	-	-	-	-	-		
MW-6	05/07/2007 <sup>7</sup>	36.90	14.78	22.12	0.00	0.00	740	98	0.5	2	2	31	-	-	-	-	-		
MW-6	08/03/2007 <sup>7</sup>	36.90	17.57	19.33	0.00	0.00	1,600	410	4	2	3	80	-	-	-	-	-		
MW-6	10/12/2007 <sup>7</sup>	36.90	19.20	17.70	0.00	0.00	1,100	130	0.9	0.9	<0.5	79	-	-	-	-	-		
MW-6	11/02/2007 <sup>7</sup>	36.90	19.43	17.47	0.00	0.00	1,500	240	1	0.7	0.5	70	-	-	-	-	-		
MW-6	12/07/2007 <sup>7</sup>	36.90	19.11	17.79	0.00	0.00	770	84	<0.5	<0.5	<0.5	60	-	-	-	-	-		
MW-6	02/01/2008 <sup>7</sup>	36.90	14.03	22.87	0.00	0.00	650	89	<0.5	1	0.7	24	-	-	-	-	-		
MW-6	05/09/2008 <sup>7</sup>	36.90	15.22	21.68	0.00	0.00	680	87	<0.5	<0.5	<0.5	19	-	-	-	-	-		
MW-6	08/22/2008 <sup>7</sup>	36.90	18.46	18.44	0.00	0.00	950	43	<0.5	<0.5	<0.5	38	-	-	-	-	-		
MW-6	11/26/2008 <sup>7</sup>	36.90	19.87	17.03	0.00	0.00	1,500	190	1	0.6	0.5	71	-	-	-	-	-		

Table 5

Groundwater Monitoring and Sampling Data  
Former Chevron Service Station 93322  
7225 Bancroft Avenue  
Oakland, California

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCs					ADDITIONAL VOCs					
							TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME	
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-6	05/20/2009	36.90	15.03	21.87	0.00	0.00	580	23	<0.5	0.7 J	<0.5	11	-	<50	-	-	-	-	-
MW-6	08/26/2009	36.90	19.00	17.90	0.00	0.00	1,100	88	0.8 J	0.6 J	<0.5	25	-	<50	-	-	-	-	-
MW-6	11/12/2009	36.90	18.19	18.71	0.00	0.00	980	95	0.8 J	1	1	20	-	<50	-	-	-	-	-
MW-6	02/01/2010	36.90	13.30	23.60	0.00	0.00	530	28	<0.5	0.9 J	<0.5	6	-	<50	-	-	-	-	-
MW-6	05/17/2010	36.90	11.67	25.23	0.00	0.00	450	14	<0.5	1	<0.5	4	-	<50	-	-	-	-	-
MW-6	08/26/2010	36.90	15.42	21.48	0.00	0.00	860	29	<0.5	2	<0.5	4	-	<50	-	-	-	-	-
MW-6	11/11/2010 <sup>12</sup>	36.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	02/10/2011	36.90	13.00	23.90	0.00	0.00	370	10	<0.5	<0.5	<0.5	3	-	<50	-	-	-	-	-
MW-6	06/17/2011	36.90	12.35	24.55	0.00	0.00	690	22	<0.5	2	<0.5	4	-	<50	-	-	-	-	-
MW-6	09/08/2011	36.90	15.68	21.22	0.00	0.00	880	92	<0.5	2	<0.5	6	-	<50	-	-	-	-	-
MW-6	12/16/2011	36.90	16.63	20.27	0.00	0.00	3,200	620	4	10	8	11	-	<50	-	-	-	-	-
MW-6	03/02/2012	36.90	16.55	20.35	0.00	0.00	2,900	510	<5	<5	5 J	13	-	<500	-	-	-	-	-
MW-6	06/08/2012	36.90	14.03	22.87	0.00	0.00	3,000	750	<5	<5	<5	12	-	<500	-	-	-	-	-
MW-6	09/14/2012	36.90	17.84	19.06	0.00	0.00	4,300	930	<5	<5	<5	10	-	<500	81	<5	<5	<5	
MW-6	12/21/2012	36.90	13.88	23.02	0.00	0.00	2,200	360	<5	<5	<5	28	-	<500	-	-	-	-	-
MW-6	04/01/2013	36.90	15.58	21.32	0.00	0.00	2,100	520	2	3	2	21	-	<50	-	-	-	-	-
MW-6	06/28/2013	36.90	17.30	19.60	0.00	0.00	1,600	130	<0.5	<0.5	<0.5	5	-	<50	-	-	-	-	-
MW-6	09/20/2013	36.90	19.07	17.83	0.00	0.00	3,100	680	3	4	3	15	-	<50	-	-	-	-	-
MW-6	12/30/2013 <sup>14</sup>	36.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	03/31/2014	36.90	16.10	20.80	0.00	0.00	2,000	220	2	4	2	20	-	<50	-	-	-	-	-
MW-6	06/30/2014	36.90	17.41	19.49	0.00	0.00	1,400	100	0.6 J	2	<0.5	14	-	<50	-	-	-	-	-
MW-6	09/22/2014	36.90	20.22	16.68	0.00	0.00	2,100	180	1	2	2	14	-	<50	-	-	-	-	-
MW-6	12/23/2014 <sup>14</sup>	36.90	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	03/05/2015	36.90	15.52	21.38	0.00	0.00	710	34	<0.5	0.5 J	<0.5	6	-	<50	-	-	-	-	-
MW-6	06/23/2015	36.90	18.52	18.38	0.00	0.00	1,500	230	<3	<3	6	6	-	<250	43	<3	<3	<3	
MW-6	09/23/2015	36.90	21.38	15.52	0.00	0.00	4,800	680	4 J	<3	13	11	-	<250	-	-	-	-	-
<b>MW-6</b>	<b>12/29/2015</b>	<b>36.90</b>	<b>19.50</b>	<b>17.40</b>	<b>0.00</b>	<b>0.00</b>	<b>1,200</b>	<b>230</b>	<b>&lt;5</b>	<b>&lt;5</b>	<b>&lt;5</b>	<b>-</b>	<b>-</b>	<b>&lt;500</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

Table 5

**Groundwater Monitoring and Sampling Data  
Former Chevron Service Station 93322  
7225 Bancroft Avenue  
Oakland, California**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCS					ADDITIONAL VOCS					
							TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME	
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-7	02/21/2005 <sup>7</sup>	36.84	10.41	26.43	0.00	0.00	7,600	2,200	6	210	920	53	-	<100	130	<1	<1	<1	
MW-7	05/10/2005 <sup>7</sup>	36.84	9.59	27.25	0.00	0.00	3,900	700	<0.5	<0.5	650	77	-	<50	140	<0.5	<0.5	<0.5	
MW-7	08/12/2005 <sup>7</sup>	36.84	12.83	24.01	0.00	0.00	18,000	7,300	12	1,100	2,500	80	-	<500	280	<5	<5	<5	
MW-7	11/11/2005 <sup>7</sup>	36.84	16.64	20.20	0.00	0.00	39,000	11,000	38	1,700	2,900	100	-	<1,000	340	<10	<10	<10	
MW-7	02/20/2006 <sup>7</sup>	36.84	10.39	26.45	0.00	0.00	17,000	4,400	18	470	1,500	62	-	<500	200	<5	<5	<5	
MW-7	05/12/2006 <sup>7</sup>	36.84	8.79	28.05	0.00	0.00	15,000	5,100	12	370	880	73	-	<500	200	<5	<5	<5	
MW-7	08/14/2006 <sup>7</sup>	36.84	13.88	22.96	0.00	0.00	30,000	8,100	18	1,500	3,600	74	-	<1,000	280	<10	<10	<10	
MW-7	11/08/2006 <sup>7</sup>	36.84	16.87	19.97	0.00	0.00	39,000	10,000	28	1,400	2,300	89	-	<1,000	330	<10	<10	<10	
MW-7	02/07/2007 <sup>7</sup>	36.84	14.43	22.41	0.00	0.00	43,000	9,400	51	1,800	4,400	80	-	<500	280	<5	<5	<5	
MW-7	05/07/2007 <sup>7</sup>	36.84	12.57	24.27	0.00	0.00	50,000	8,800	35	1,700	3,700	72	-	<1,000	240	<10	<10	<10	
MW-7	08/03/2007 <sup>7</sup>	36.84	16.10	20.74	0.00	0.00	57,000	12,000	41	2,400	4,400	84	-	<2,500	300	<25	<25	<25	
MW-7	10/12/2007 <sup>7</sup>	36.84	18.16	18.68	0.00	0.00	15,000	2,300	63	270	730	58	-	<1,000	290	<10	<10	<10	
MW-7	11/02/2007 <sup>7</sup>	36.84	18.01	18.83	0.00	0.00	21,000	5,000	120	820	2,300	59	-	<500	280	<5	<5	<5	
MW-7	12/07/2007	36.84	18.92	17.92	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
MW-7	02/01/2008	36.84	12.78	24.06	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
MW-7	05/09/2008 <sup>7</sup>	36.84	13.98	22.86	0.00	0.00	24,000	4,600	99	1,000	3,400	57	-	<250	240	<3	<3	<3	
MW-7	08/22/2008 <sup>7</sup>	36.84	17.19	19.65	0.00	0.00	32,000	9,500	240	1,900	4,800	76	-	<1,000	270	<10	<10	<10	
MW-7	11/26/2008 <sup>7</sup>	36.84	19.01	17.83	0.00	0.00	39,000	9,700	840	1,600	5,700	62	-	<1,300	280	<13	<13	<13	
MW-7	05/20/2009	36.84	13.71	23.13	0.00	0.00	24,000	5,400	190	810	2,800	66	-	<250	260	<3	<3	<3	
MW-7	08/26/2009	36.84	19.00	17.84	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
MW-7	11/12/2009	36.84	16.43	20.41	0.00	0.00	19,000	5,900	190	540	1,800	57	-	<500	240	<5	<5	<5	
MW-7	05/17/2010	36.84	10.30	26.54	0.00	0.00	13,000	3,600	63	310	1,300	58	-	<250	220	<3	<3	<3	
MW-7	08/26/2010 <sup>11</sup>	36.84	14.40	22.44	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
MW-7	11/11/2010	36.84	16.50	20.34	0.00	0.00	16,000	7,300	140	720	2,400	64	-	<500	280	<5	<5	<5	
MW-7	02/10/2011 <sup>13</sup>	36.84	12.16	24.68	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
MW-7	06/17/2011	36.84	11.25	25.59	0.00	0.00	12,000	3,800	22	460	1,600	56	-	<250	120	<3	<3	<3	



Table 5

**Groundwater Monitoring and Sampling Data  
Former Chevron Service Station 93322  
7225 Bancroft Avenue  
Oakland, California**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCS					ADDITIONAL VOCS					
							TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME	
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-7	09/08/2011	36.84	14.65	22.19	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	12/16/2011	36.84	17.36	19.48	0.00	0.00	35,000	8,100	370	1,000	3,900	78	-	<500	300	<5	<5	<5	
MW-7	03/02/2012 <sup>13</sup>	36.84	15.42	21.42	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	06/08/2012	36.84	13.10	23.74	0.00	0.00	19,000	6,000	180	310	1,200	56	-	<500	-	-	-	-	
MW-7	09/14/2012 <sup>13</sup>	36.84	16.91	19.93	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	12/21/2012	36.84	12.19	24.65	0.00	0.00	21,000	5,300	160	530	2,200	55	-	<2,500	240 J	<25	<25	<25	
MW-7	04/01/2013 <sup>13</sup>	36.84	14.64	22.20	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
MW-7	06/28/2013	36.84	16.10	20.74	0.00	0.00	20,000	6,900	200	420	1,700	81	-	<250	240	<3	<3	<3	
MW-7	09/20/2013 <sup>13</sup>	36.84	17.72	19.12	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
MW-7	12/30/2013	36.84	19.10	17.74	0.00	0.00	14,000	4,800	220	210	1,300	55	-	<500	-	-	-	-	
MW-7	03/31/2014 <sup>13</sup>	36.84	14.64	22.20	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
MW-7	06/30/2014	36.84	15.92	20.92	0.00	0.00	28,000	6,300	290	790	3,000	53	-	<500	-	-	-	-	
MW-7	09/22/2014 <sup>13</sup>	36.84	18.98	17.86	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
MW-7	12/23/2014	36.84	12.62	24.22	0.00	0.00	11,000	1,900	100	230	1,200	31	-	<250	110	<3	<3	<3	
MW-7	03/05/2015 <sup>13</sup>	36.84	13.90	22.94	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
MW-7	06/23/2015	36.84	17.40	19.44	0.00	0.00	17,000	7,400	200	620	2,500	57	-	<2,500	240 J	<25	<25	<25	
MW-7	09/23/2015 <sup>13</sup>	36.84	19.99	16.85	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
<b>MW-7</b>	<b>12/29/2015</b>	<b>36.84</b>	<b>17.31</b>	<b>19.53</b>	<b>0.00</b>	<b>0.00</b>	<b>3,700</b>	<b>1,100</b>	<b>19</b>	<b>23</b>	<b>210</b>	<b>37</b>	-	<b>&lt;500</b>	<b>200</b>	<b>&lt;5</b>	<b>&lt;5</b>	<b>&lt;5</b>	
MW-8	04/01/2002 <sup>6</sup>	37.21	11.10	26.11	0.00	0.00	1,200	8.6	<0.50	2.5	2.5	-	<2.5/<2 <sup>5</sup>	-	<100	<2	<2	<2	
MW-8	08/05/2002	37.21	16.14	21.07	0.00	0.00	560	11	<0.50	<0.50	<1.5	-	<2.5/<2 <sup>5</sup>	-	<100	<2	<2	<2	
MW-8	11/04/2002	37.21	18.97	18.24	0.00	0.00	780	5.1	<0.50	1.1	1.9	-	<2 <sup>5</sup> / <sup>5</sup> <2.5	-	<100	<2	<2	<2	
MW-8	02/03/2003	37.21	13.21	24.00	0.00	0.00	230	3.7	<0.50	0.54	<1.5	-	<0.6 <sup>5</sup> / <sup>5</sup> <10	-	<5	<0.5	<0.5	<0.5	
MW-8	05/02/2003	37.21	12.12	25.09	0.00	0.00	180	2.5	<0.5	<0.5	<1.5	-	<0.5 <sup>5</sup> / <sup>5</sup> <2.5	-	<5	<0.5	<0.5	<0.5	
MW-8	08/01/2003 <sup>7</sup>	37.21	16.11	21.10	0.00	0.00	220	2	<0.5	<0.5	<0.5	0.8	-	<50	<5	<0.5	<0.5	<0.5	
MW-8	11/21/2003 <sup>7</sup>	37.21	17.17	20.04	0.00	0.00	140	<0.5	<0.5	<0.5	<0.5	0.7	-	<50	<5	<0.5	<0.5	<0.5	
MW-8	02/10/2004 <sup>7</sup>	37.21	12.13	25.08	0.00	0.00	150	2	<0.5	<0.5	<0.5	0.8	-	<50	<5	<0.5	<0.5	<0.5	

Table 5

**Groundwater Monitoring and Sampling Data  
Former Chevron Service Station 93322  
7225 Bancroft Avenue  
Oakland, California**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCs					ADDITIONAL VOCs					
							TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME	
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-8	05/11/2004 <sup>7</sup>	37.21	13.47	23.74	0.00	0.00	86	4	<0.5	<0.5	<0.5	1	-	<50	<5	<0.5	<0.5	<0.5	
MW-8	08/10/2004 <sup>7</sup>	37.21	15.65	21.56	0.00	0.00	80	<0.5	<0.5	<0.5	<0.5	0.8	-	<50	<5	<0.5	<0.5	<0.5	
MW-8	11/08/2004 <sup>7</sup>	37.21	13.98	23.23	0.00	0.00	110	<0.5	<0.5	<0.5	<0.5	1	-	<50	7	<0.5	<0.5	<0.5	
MW-8	02/21/2005 <sup>7</sup>	37.21	10.09	27.12	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	<5	<0.5	<0.5	<0.5	
MW-8	05/10/2005 <sup>7</sup>	37.21	10.60	26.61	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	<50	<5	<0.5	<0.5	<0.5	
MW-8	08/12/2005 <sup>7</sup>	37.21	12.58	24.63	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	<5	<0.5	<0.5	<0.5	
MW-8	11/11/2005 <sup>7</sup>	37.21	17.41	19.80	0.00	0.00	96	<0.5	<0.5	<0.5	<0.5	2	-	<50	6	<0.5	<0.5	<0.5	
MW-8	02/20/2006 <sup>7</sup>	37.21	10.79	26.42	0.00	0.00	81	<0.5	<0.5	<0.5	<0.5	0.6	-	<50	<5	<0.5	<0.5	<0.5	
MW-8	05/12/2006 <sup>7</sup>	37.21	9.24	27.97	0.00	0.00	72	1	<0.5	<0.5	<0.5	2	-	<50	6	<0.5	<0.5	<0.5	
MW-8	08/14/2006 <sup>7</sup>	37.21	14.67	22.54	0.00	0.00	110	3	<0.5	<0.5	<0.5	2	-	<50	7	<0.5	<0.5	<0.5	
MW-8	11/08/2006 <sup>7</sup>	37.21	17.41	19.80	0.00	0.00	310	2	1	<0.5	2	3	-	<50	13	<0.5	<0.5	<0.5	
MW-8	02/07/2007 <sup>7</sup>	37.21	14.58	22.63	0.00	0.00	310	0.6	<0.5	<0.5	<0.5	2	-	<50	7	<0.5	<0.5	<0.5	
MW-8	05/07/2007 <sup>7</sup>	37.21	12.78	24.43	0.00	0.00	95	0.5	<0.5	<0.5	<0.5	2	-	<50	6	<0.5	<0.5	<0.5	
MW-8	08/03/2007 <sup>7</sup>	37.21	16.70	20.51	0.00	0.00	130	<0.5	<0.5	<0.5	<0.5	2	-	<50	8	<0.5	<0.5	<0.5	
MW-8	10/12/2007 <sup>7</sup>	37.21	18.51	18.70	0.00	0.00	340	<0.5	<0.5	<0.5	<0.5	5	-	<50	20	<0.5	<0.5	<0.5	
MW-8	11/02/2007 <sup>7</sup>	37.21	18.81	18.40	0.00	0.00	210	<0.5	<0.5	<0.5	<0.5	2	-	<50	5	<0.5	<0.5	<0.5	
MW-8	12/07/2007 <sup>7</sup>	37.21	18.62	18.59	0.00	0.00	230	<0.5	<0.5	<0.5	<0.5	2	-	<50	5	<0.5	<0.5	<0.5	
MW-8	02/01/2008 <sup>7</sup>	37.21	14.18	23.03	0.00	0.00	96	<0.5	<0.5	<0.5	<0.5	0.8	-	<50	<2	<0.5	<0.5	<0.5	
MW-8	05/09/2008 <sup>7</sup>	37.21	14.33	22.88	0.00	0.00	120	2	<0.5	<0.5	<0.5	2	-	<50	6	<0.5	<0.5	<0.5	
MW-8	08/22/2008 <sup>7</sup>	37.21	17.88	19.33	0.00	0.00	180	0.9	<0.5	<0.5	<0.5	4	-	<50	14	<0.5	<0.5	<0.5	
MW-8	11/26/2008 <sup>7</sup>	37.21	19.52	17.69	0.00	0.00	350	<0.5	<0.5	<0.5	<0.5	1	-	<50	2	<0.5	<0.5	<0.5	
MW-8	05/20/2009	37.21	14.11	23.10	0.00	0.00	310	3	<0.5	<0.5	<0.5	0.7 J	-	<50	<2	<0.5	<0.5	<0.5	
MW-8	08/26/2009	37.21	18.19	19.02	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
MW-8	11/12/2009	37.21	16.60	20.61	0.00	0.00	350	2	<0.5	<0.5	<0.5	1	-	<50	2 J	<0.5	<0.5	<0.5	
MW-8	05/17/2010	37.21	10.50	26.71	0.00	0.00	230	2	<0.5	<0.5	<0.5	0.5 J	-	<50	<2	<0.5	<0.5	<0.5	
MW-8	08/26/2010 <sup>11</sup>	37.21	14.72	22.49	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
MW-8	11/11/2010	37.21	16.58	20.63	0.00	0.00	330	<0.5	<0.5	<0.5	<0.5	1	-	<50	3 J	<0.5	<0.5	<0.5	

Table 5

**Groundwater Monitoring and Sampling Data  
Former Chevron Service Station 93322  
7225 Bancroft Avenue  
Oakland, California**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCs					ADDITIONAL VOCs					
							TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME	
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-8	02/10/2011 <sup>13</sup>	37.21	12.30	24.91	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	06/17/2011	37.21	11.43	25.78	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	<50	<2	<0.5	<0.5	<0.5	
MW-8	09/08/2011	37.21	15.15	22.06	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
MW-8	12/16/2011	37.21	15.00	22.21	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	<50	4 J	<0.5	<0.5	<0.5	
MW-8	03/02/2012 <sup>13</sup>	37.21	15.70	21.51	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
MW-8	06/08/2012	37.21	13.42	23.79	0.00	0.00	100	2	<0.5	<0.5	<0.5	3	-	<50	-	-	-	-	
MW-8	09/14/2012 <sup>13</sup>	37.21	17.20	20.01	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
MW-8	12/21/2012	37.21	12.11	25.10	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	-	<50	6	<0.5	<0.5	<0.5	
MW-8	04/01/2013 <sup>13</sup>	37.21	14.87	22.34	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
MW-8	06/28/2013	37.21	16.46	20.75	0.00	0.00	350	<0.5	<0.5	0.5 J	0.6 J	9	-	<50	22	<0.5	<0.5	<0.5	
MW-8	09/20/2013 <sup>13</sup>	37.21	18.01	19.20	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
MW-8	12/30/2013	37.21	19.43	17.78	0.00	0.00	820	<0.5	<0.5	<0.5	<0.5	3	-	<50	-	-	-	-	
MW-8	03/31/2014 <sup>13</sup>	37.21	14.40	22.81	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
MW-8	06/30/2014	37.21	16.46	20.75	0.00	0.00	370	2	<0.5	<0.5	<0.5	3	-	<50	-	-	-	-	
MW-8	09/22/2014 <sup>13</sup>	37.21	19.21	18.00	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
MW-8	12/23/2014	37.21	12.21	25.00	0.00	0.00	230	<0.5	<0.5	<0.5	<0.5	0.9 J	-	<50	<2	<0.5	<0.5	<0.5	
MW-8	03/05/2015 <sup>13</sup>	37.21	14.07	23.14	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
MW-8	06/23/2015	37.21	17.70	19.51	0.00	0.00	250	1	<0.5	<0.5	<0.5	3	-	<50	7	<0.5	<0.5	<0.5	
MW-8	09/23/2015 <sup>13</sup>	37.21	20.22	16.99	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
<b>MW-8</b>	<b>12/29/2015</b>	<b>37.21</b>	<b>17.01</b>	<b>20.20</b>	<b>0.00</b>	<b>0.00</b>	<b>450</b>	<b>0.9 J</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>-</b>	<b>&lt;50</b>	<b>&lt;2</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	
MW-9	04/01/2002 <sup>6</sup>	35.03	10.62	24.41	0.00	0.00	94	1.5	<0.50	<0.50	<1.5	-	25/19 <sup>5</sup>	-	<100	<2	<2	<2	
MW-9	08/05/2002	35.03	14.85	20.18	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	-	15 <sup>5</sup> /18	-	<100	<2	<2	<2	
MW-9	11/04/2002	35.03	17.48	17.55	0.00	0.00	<50	<0.50	1.7	<0.50	2.1	-	24/21 <sup>5</sup>	-	<100	<2	<2	<2	
MW-9	02/03/2003	35.03	12.51	22.52	0.00	0.00	<50	1.9	<0.50	<0.50	<1.5	-	17/16 <sup>5</sup>	-	<5	<0.5	<0.5	0.8	
MW-9	05/02/2003	35.03	11.68	23.35	0.00	0.00	<50	0.6	<0.5	<0.5	<1.5	-	21/18 <sup>5</sup>	-	<5	<0.5	<0.5	0.8	
MW-9	08/01/2003 <sup>7</sup>	35.03	14.69	20.34	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	22	-	<50	7	0.9	<0.5	1	

Table 5

**Groundwater Monitoring and Sampling Data  
Former Chevron Service Station 93322  
7225 Bancroft Avenue  
Oakland, California**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCs					ADDITIONAL VOCs					
							TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME	
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-9	11/21/2003 <sup>7</sup>	35.03	16.35	18.68	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	18	-	<50	<5	0.8	<0.5	1	
MW-9	02/10/2004 <sup>7</sup>	35.03	11.69	23.34	0.00	0.00	210	7	0.5	1	1	31	-	<50	9	0.6	<0.5	2	
MW-9	05/11/2004 <sup>7</sup>	35.03	12.12	22.91	0.00	0.00	230	17	<0.5	<0.5	<0.5	72	-	<50	16	<0.5	<0.5	4	
MW-9	08/10/2004 <sup>7</sup>	35.03	14.58	20.45	0.00	0.00	250	5	<0.5	<0.5	<0.5	66	-	<50	<5	0.9	<0.5	3	
MW-9	11/08/2004	35.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-9	02/21/2005 <sup>7</sup>	35.03	9.52	25.51	0.00	0.00	510	6	<0.5	1	3	79	-	<50	17	0.5	<0.5	4	
MW-9	05/10/2005 <sup>7</sup>	35.03	8.85	26.18	0.00	0.00	670	11	0.7	0.5	2	100	-	<50	20	<0.5	<0.5	4	
MW-9	08/12/2005 <sup>7</sup>	35.03	11.06	23.97	0.00	0.00	390	4	<0.5	<0.5	0.7	89	-	<50	18	<0.5	<0.5	4	
MW-9	11/11/2005 <sup>7</sup>	35.03	15.98	19.05	0.00	0.00	2,500	48	5	21	33	140	-	<50	25	<0.5	<0.5	6	
MW-9	02/20/2006 <sup>7</sup>	35.03	10.08	24.95	0.00	0.00	3,200	47	5	30	32	130	-	<50	22	<0.5	<0.5	5	
MW-9	05/12/2006 <sup>7</sup>	35.03	8.08	26.95	0.00	0.00	1,800	19	1	1	4	89	-	<50	14	<0.5	<0.5	4	
MW-9	08/14/2006	35.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-9	11/08/2006	35.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-9	02/07/2007 <sup>7</sup>	35.03	13.57	21.46	0.00	0.00	2,000	22	2	1	8	78	-	<50	14	<0.5	<0.5	3	
MW-9	05/07/2007 <sup>7</sup>	35.03	11.85	23.18	0.00	0.00	1,800	17	2	1	5	67	-	<50	13	<0.5	<0.5	3	
MW-9	08/03/2007	35.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-9	10/12/2007 <sup>7</sup>	35.03	17.20	17.83	0.00	0.00	55	<0.5	<0.5	<0.5	<0.5	30	-	<50	4	<0.5	<0.5	1	
MW-9	11/02/2007 <sup>7</sup>	35.03	17.28	17.75	0.00	0.00	72	<0.5	<0.5	<0.5	0.9	57	-	<50	8	<0.5	<0.5	2	
MW-9	12/07/2007 <sup>7</sup>	35.03	17.12	17.91	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	59	-	<50	9	<0.5	<0.5	2	
MW-9	02/01/2008 <sup>7</sup>	35.03	12.23	22.80	0.00	0.00	61	<0.5	<0.5	<0.5	<0.5	50	-	<50	11	<0.5	<0.5	2	
MW-9	05/09/2008	35.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-9	05/16/2008 <sup>7</sup>	35.03	13.34	21.69	0.00	0.00	51	0.5	6	0.5	3	35	-	<50	11	<0.5	<0.5	1	
MW-9	08/22/2008 <sup>7</sup>	35.03	16.32	18.71	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	35	-	<50	6	<0.5	<0.5	0.9	
MW-9	11/26/2008 <sup>7</sup>	35.03	17.84	17.19	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	33	-	<50	4	<0.5	<0.5	0.7	
MW-9	05/20/2009	35.03	13.18	21.85	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	18	-	<50	7	<0.5	<0.5	<0.5	
MW-9	08/26/2009	35.03	17.03	18.00	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	26	-	<50	<2	<0.5	<0.5	<0.5	
MW-9	02/01/2010	35.03	11.69	23.34	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	19	-	<50	9	<0.5	<0.5	<0.5	

Table 5

**Groundwater Monitoring and Sampling Data  
Former Chevron Service Station 93322  
7225 Bancroft Avenue  
Oakland, California**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCs					ADDITIONAL VOCs					
							TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME	
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-9	08/26/2010	35.03	12.60	22.43	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	17	-	<50	9	<0.5	<0.5	0.6 J	
MW-9	11/11/2010 <sup>11</sup>	35.03	15.74	19.29	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
MW-9	02/10/2011 <sup>11</sup>	35.03	10.29	24.74	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	12	-	<50	12	<0.5	<0.5	<0.5	
MW-9	06/17/2011 <sup>11</sup>	35.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-9	09/08/2011 <sup>11</sup>	35.03	12.74	22.29	0.00	0.00	60 J	<0.5	<0.5	<0.5	<0.5	15	-	<50	-	-	-	-	
MW-9	12/16/2011 <sup>11</sup>	35.03	14.60	20.43	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
MW-9	03/02/2012	35.03	14.43	20.60	0.00	0.00	83 J	<0.5	<0.5	<0.5	<0.5	10	-	<50	15	<0.5	<0.5	<0.5	
MW-9	06/08/2012 <sup>11</sup>	35.03	11.42	23.61	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
MW-9	09/14/2012	35.03	15.90	19.13	0.00	0.00	220	1	<0.5	<0.5	<0.5	17	-	<50	14	<0.5	<0.5	<0.5	
MW-9	12/21/2012 <sup>11</sup>	35.03	12.06	22.97	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
MW-9	04/01/2013	35.03	12.68	22.35	0.00	0.00	630	4	0.5 J	<0.5	1	11	-	<50	11	<0.5	<0.5	<0.5	
MW-9	06/28/2013 <sup>11</sup>	35.03	15.29	19.74	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
MW-9	09/20/2013	35.03	16.92	18.11	0.00	0.00	120	<0.5	<0.5	<0.5	<0.5	12	-	<50	-	-	-	-	
MW-9	12/30/2013	35.03	18.24	16.79	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
MW-9	03/31/2014	35.03	14.20	20.83	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	4	-	<50	4 J	<0.5	<0.5	<0.5	
MW-9	06/30/2014 <sup>13</sup>	35.03	15.51	19.52	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
MW-9	09/22/2014	35.03	18.21	16.82	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	8	-	<50	<2	<0.5	<0.5	<0.5	
MW-9	12/23/2014 <sup>13</sup>	35.03	13.21	21.82	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
MW-9	03/05/2015	35.03	13.29	21.74	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	6	-	<50	6	<0.5	<0.5	<0.5	
MW-9	06/23/2015 <sup>13</sup>	35.03	16.61	18.42	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	
MW-9	09/23/2015	35.03	19.48	15.55	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	8	-	<50	<2	<0.5	<0.5	<0.5	
<b>MW-9</b>	<b>12/29/2015<sup>11</sup></b>	<b>35.03</b>	<b>16.97</b>	<b>18.06</b>	<b>0.00</b>	<b>0.00</b>	-	-	-	-	-	-	-	-	-	-	-	-	
MW-10	04/01/2002 <sup>6</sup>	35.53	11.72	23.81	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	-	5 <sup>5</sup> /6.1	-	<100	<2	<2.0	<2	
MW-10	08/05/2002	35.53	15.80	19.73	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	-	5.1/5 <sup>5</sup>	-	<100	<2	<2.0	<2	
MW-10	11/04/2002	35.53	18.31	17.22	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	-	5.5/5 <sup>5</sup>	-	<100	<2	<2.0	<2	
MW-10	02/03/2003	35.53	13.42	22.11	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	-	2.8/3 <sup>5</sup>	-	<5	<0.5	<0.5	<0.5	

Table 5

Groundwater Monitoring and Sampling Data  
 Former Chevron Service Station 93322  
 7225 Bancroft Avenue  
 Oakland, California

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCs					ADDITIONAL VOCs					
							TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME	
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-10	05/02/2003	35.53	12.45	23.08	0.00	0.00	<50	<0.5	<0.5	<0.5	<1.5	-	<2.5/<0.5 <sup>5</sup>	-	<5	<0.5	<0.5	<0.5	<0.5
MW-10	08/01/2003 <sup>7</sup>	35.53	15.62	19.91	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	-	<50.0	<5	<0.5	<0.5	<0.5	<0.5
MW-10	11/21/2003 <sup>7</sup>	35.53	17.26	18.27	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	<50.0	<5	<0.50	<0.50	<0.5	<0.5
MW-10	02/10/2004 <sup>7</sup>	35.53	12.52	23.01	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50.0	<5	<0.50	<0.5	<0.5	<0.5
MW-10	05/11/2004 <sup>7</sup>	35.53	13.06	22.47	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-10	08/10/2004 <sup>7</sup>	35.53	15.45	20.08	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	3	-	<50.0	<5	<0.5	<0.5	<0.5	<0.5
MW-10	11/08/2004 <sup>7</sup>	35.53	14.68	20.85	0.00	0.00	<50	<0.5	<0.5	0.9	5	<0.5	-	<50.0	<5	<0.5	<0.50	<0.5	<0.5
MW-10	02/21/2005 <sup>7</sup>	35.53	10.32	25.21	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50.0	<5	<0.5	<0.50	<0.5	<0.5
MW-10	05/10/2005 <sup>7</sup>	35.53	11.04	24.49	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	<50.0	<5	<0.5	<0.50	<0.5	<0.5
MW-10	08/12/2005 <sup>7</sup>	35.53	12.58	22.95	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	<50.0	<5	<0.5	<0.50	<0.5	<0.5
MW-10	11/11/2005 <sup>7</sup>	35.53	16.89	18.64	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	5	-	<50.0	<5	<0.5	<0.50	<0.5	<0.5
MW-10	02/20/2006 <sup>7</sup>	35.53	10.91	24.62	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50.0	<5	<0.5	<0.50	<0.5	<0.5
MW-10	05/12/2006 <sup>7</sup>	35.53	9.26	26.27	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.6	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-10	08/14/2006 <sup>7</sup>	35.53	13.96	21.57	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	-	<50.0	<5	<0.5	<0.5	<0.5	<0.5
MW-10	11/08/2006	35.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	02/07/2007 <sup>7</sup>	35.53	14.45	21.08	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	-	<50.0	<2	<0.5	<0.5	<0.5	<0.5
MW-10	05/07/2007 <sup>7</sup>	35.53	12.81	22.72	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.9	-	<50.0	<2	<0.5	<0.5	<0.5	<0.5
MW-10	08/03/2007 <sup>7</sup>	35.53	16.35	19.18	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	3	-	<50	<2	<0.5	<0.5	<0.5	<0.5
MW-10	10/12/2007 <sup>7</sup>	35.53	17.93	17.60	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	5	-	<50	<2	<0.5	<0.5	<0.5	<0.5
MW-10	11/02/2007 <sup>7</sup>	35.53	18.04	17.49	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	4	-	<50	<2	<0.5	<0.5	<0.5	<0.5
MW-10	12/07/2007 <sup>7</sup>	35.53	17.81	17.72	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	3	-	<50	<2	<0.5	<0.50	<0.5	<0.5
MW-10	02/01/2008 <sup>7</sup>	35.53	13.35	22.18	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	<2	<0.5	<0.50	<0.5	<0.5
MW-10	05/09/2008 <sup>7</sup>	35.53	14.11	21.42	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	-	<50	<2	<0.50	<0.50	<0.5	<0.5
MW-10	08/22/2008 <sup>7</sup>	35.53	17.70	17.83	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	5	-	<50	<2	<0.5	<0.50	<0.5	<0.5
MW-10	11/26/2008 <sup>7</sup>	35.53	18.61	16.92	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	4	-	<50	<2	<0.5	<0.5	<0.5	<0.5
MW-10	05/20/2009	35.53	14.03	21.50	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	3	-	<50	<2	<0.5	<0.5	<0.5	<0.5
MW-10	08/26/2009	35.53	17.81	17.72	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	4	-	<50	<2	<0.5	<0.5	<0.5	<0.5



Table 5

**Groundwater Monitoring and Sampling Data  
Former Chevron Service Station 93322  
7225 Bancroft Avenue  
Oakland, California**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCs					ADDITIONAL VOCs				
							TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME
Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-10	02/01/2010	35.53	12.36	23.17	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	<50	<2	<0.5	<0.5	<0.5
MW-10	08/26/2010	35.53	14.15	21.38	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	<50	<2	<0.5	<0.5	<0.5
MW-10	11/11/2010 <sup>11</sup>	35.53	16.09	19.44	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	02/10/2011 <sup>11</sup>	35.53	12.02	23.51	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.7 J	-	<50	<2	<0.5	<0.5	<0.5
MW-10	06/17/2011 <sup>11</sup>	35.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	09/08/2011 <sup>11</sup>	35.53	14.31	21.22	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.5 J	-	<50	-	-	-	-
MW-10	12/16/2011 <sup>11</sup>	35.53	15.41	20.12	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	03/02/2012	35.53	15.28	20.25	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	<50	<2	<0.5	<0.5	<0.5
MW-10	06/08/2012 <sup>11</sup>	35.53	12.84	22.69	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	09/14/2012	35.53	16.63	18.90	0.00	0.00	<50	<0.5	<0.5	1	6	2	-	<50	<2	<0.5	<0.5	<0.5
MW-10	12/21/2012 <sup>11</sup>	35.53	12.76	22.77	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	04/01/2013	35.53	14.37	21.16	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	<50	<2	<0.5	<0.5	<0.5
MW-10	06/28/2013 <sup>11</sup>	35.53	16.03	19.50	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	09/20/2013	35.53	17.88	17.65	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	-	<50	-	-	-	-
MW-10	12/30/2013	35.53	19.05	16.48	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	03/31/2014	35.53	15.40	20.13	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.8 J	-	<50	<2	<0.5	<0.5	<0.5
MW-10	06/30/2014 <sup>13</sup>	35.53	16.22	19.31	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	09/22/2014	35.53	18.97	16.56	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	-	<50	<2	<0.5	<0.5	<0.5
MW-10	12/23/2014 <sup>13</sup>	35.53	13.54	21.99	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	03/05/2015	35.53	14.41	21.12	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	-	<50	<2	<0.5	<0.5	<0.5
MW-10	06/23/2015 <sup>13</sup>	35.53	17.41	18.12	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	09/23/2015	35.53	20.18	15.35	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	-	<50	<2	<0.5	<0.5	<0.5
<b>MW-10</b>	<b>12/29/2015<sup>11</sup></b>	<b>35.53</b>	<b>17.62</b>	<b>17.91</b>	<b>0.00</b>	<b>0.00</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
QA	11/21/2001	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-
QA	02/05/2002	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-
QA	04/01/2002	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-

Table 5

**Groundwater Monitoring and Sampling Data  
Former Chevron Service Station 93322  
7225 Bancroft Avenue  
Oakland, California**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCs					ADDITIONAL VOCs					
							TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME	
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
QA	08/05/2002	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-	-
QA	10/04/2002	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-	-
QA	02/03/2003	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-	-
QA	05/02/2003	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<1.5	-	<2.5	-	-	-	-	-	-
QA	08/01/2003 <sup>7</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	11/21/2003 <sup>7</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	02/10/2004 <sup>7</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	05/11/2004 <sup>7</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	08/10/2004 <sup>7</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	11/08/2004 <sup>7</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	02/21/2005 <sup>7</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	05/10/2005 <sup>7</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	08/12/2005 <sup>7</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	11/11/2005 <sup>7</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	02/20/2006 <sup>7</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	05/12/2006 <sup>7</sup>	-	-	-	-	-	<50	<0.5	0.5 <sup>9</sup>	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	08/14/2006 <sup>7</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	11/08/2006 <sup>7</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	02/07/2007 <sup>7</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	05/07/2007 <sup>7</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	08/03/2007 <sup>7</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	10/12/2007 <sup>7</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	11/02/2007 <sup>7</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	12/07/2007 <sup>7</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	02/01/2008 <sup>7</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	05/09/2008 <sup>7</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	05/16/2008 <sup>7</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-

Table 5

Groundwater Monitoring and Sampling Data  
 Former Chevron Service Station 93322  
 7225 Bancroft Avenue  
 Oakland, California

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCs					ADDITIONAL VOCs					
							TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME	
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
QA	08/22/2008 <sup>7</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	11/26/2008 <sup>7</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	05/20/2009	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	08/26/2009	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	11/12/2009	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	02/01/2010	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
QA	05/17/2010	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	08/26/2010	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	11/11/2010	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	02/10/2011	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	06/17/2011	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	09/08/2011	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-	-
QA	12/16/2011	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	03/02/2012	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	06/08/2012	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	09/14/2012	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	12/21/2012	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	04/01/2013	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	06/28/2013	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	09/20/2013	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	12/30/2013	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	03/31/2014	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	06/30/2014	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	09/22/2014	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	12/23/2014	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	03/05/2015	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	06/23/2015	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-

Table 5

**Groundwater Monitoring and Sampling Data  
Former Chevron Service Station 93322  
7225 Bancroft Avenue  
Oakland, California**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCS					ADDITIONAL VOCS					
							TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME	
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
QA	09/23/2015	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
<b>QA</b>	<b>12/29/2015</b>	-	-	-	-	-	<b>&lt;22</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	-	-	-	-	-	-	-
TRIP BLANK	02/08/1998	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-	-
TRIP BLANK	06/16/1998	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-	-
TRIP BLANK	07/29/1998	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-	-
TRIP BLANK	08/13/1998	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-	-
TRIP BLANK	11/24/1998	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-	-
TRIP BLANK	02/02/1999	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-	-
TRIP BLANK	02/03/1999	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-	-
TRIP BLANK	06/07/1999	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-	-
TRIP BLANK	09/07/1999	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<5.0	-	-	-	-	-	-
TRIP BLANK	10/27/1999	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-	-
TRIP BLANK	02/08/2000	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<5.0	-	-	-	-	-	-
TRIP BLANK	05/05/2000	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-	-
TRIP BLANK	07/28/2000	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-	-
TRIP BLANK	11/26/2000	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-	-
TRIP BLANK	02/09/2001	-	-	-	-	-	<50.0	<0.500	<0.500	<0.500	<0.500	-	<2.50	-	-	-	-	-	-
TRIP BLANK	05/11/2001	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-	-
TRIP BLANK	08/30/2001	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-	-

**Abbreviations and Notes:**

TOC = Top of casing

DTW = Depth to water

GWE = Groundwater elevation

(ft-amsl) = Feet above mean sea level

ft = Feet

Table 5

**Groundwater Monitoring and Sampling Data  
Former Chevron Service Station 93322  
7225 Bancroft Avenue  
Oakland, California**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCS					ADDITIONAL VOCS					
							TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME	
Units		ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L

µg/L = Micrograms per liter

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics

VOCS = Volatile organic compounds

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes (Total)

MTBE = Methyl tert butyl ether

TBA = Tert-butyl alcohol

DIPE = Diisopropyl ether

ETBE = Tert-butyl ethyl ether

TAME = Tert-amyl methyl ether

J = Estimated value (the result method result > the detection limit < the limit of quantitation)

-- = Not available / not applicable

<x = Not detected above laboratory method detection limit

\* TOC elevations were re-surveyed on May 31, 2005, by Morrow Surveying Land Surveyors using the previous benchmark. TOC elevations were surveyed in April 2002, by Morrow Surveying. Elevations are based on City of Oakland Benchmark designated 3787 in field book 1595, page 50; cut square northerly curb on Krause Ave., approx. 37 feet westerly of PL westerly of 73rd Ave., (Elevation = 33.82 feet).

\*\* GWE corrected for the presence of LNAPL; correction factor: [(TOC - DTW) + (LNAPL x 0.8)].

1 Confirmation run.

2 Laboratory report indicates gasoline C6-C12.

3 Laboratory report indicates weathered gasoline C6-C12.

4 Product and water removed.

5 MTBE by EPA Method 8260.

6 Well development performed.

7 BTEX and MTBE by EPA Method 8260.

8 Laboratory report indicates the trip blank results were investigated and the source of contamination did not occur during analysis.

9 Product removed; no water removed.

Table 5

**Groundwater Monitoring and Sampling Data  
Former Chevron Service Station 93322  
7225 Bancroft Avenue  
Oakland, California**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCS					ADDITIONAL VOCS					
							TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME	
Units		ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L

- 10 Laboratory report indicates the value for the TPH-GRO is estimated because the value is over the calibration range of the system. The surrogate recovery is outside the upper statistical QC limit. The sample was not reanalyzed because the hold time had ex
- 11 Sampled semi-annually.
- 12 Unable to access well due to large donation bin located on well.
- 13 Gauged only.
- 14 Inaccessible
- 15 SPH present
- 16 Unable to access well - car parked over well

**MONITORING WELL CONSTRUCTION DETAIL  
FORMER CHEVRON SERVICE STATION 93322  
7225 BANCROFT AVENUE  
OAKLAND, CALIFORNIA**

<i>Well ID</i>	<i>Date Installed</i>	<i>Consultant</i>	<i>Well Casing Diameter (inches)</i>	<i>Depth (fbg)</i>	<i>Screen Interval (fbg)</i>	<i>Top of Casing (msl)</i>	<i>Top of Screen</i>	<i>Length of Screen</i>
MW-1	01/22/98	Gettler-Ryan	2	36.5	14.0-34.0	37.40	14	20
MW-2	01/22/98	Gettler-Ryan	2	31.5	10.5-30.5	35.72	10.5	20
MW-3	01/22/98	Gettler-Ryan	2	34.5	13.5-33.5	36.53	13.5	20
MW-4	01/22/99	Gettler-Ryan	2	31.5	11.0-31.0	37.29	11	20
MW-5	01/22/99	Gettler-Ryan	2	31.5	11.5-31.5	37.40	11.5	20
MW-6	01/22/99	Gettler-Ryan	2	32.0	12.0-32.0	36.90	12	20
MW-7	07/03/00	Cambria	3/4	25.0	10.0-25.0	36.84	10	15
MW-8	03/13/02	Gettler-Ryan	2	30.0	10.0-30.0	37.21	10	20
MW-9	03/15/02	Gettler-Ryan	2	30.0	10.0-30.0	35.03	10	20
MW-10	03/15/02	Gettler-Ryan	2	30.0	10.0-30.0	35.53	10	20

**Notes:**

fbg = Feet below grade  
msl = mean sea level





**TABLE 7**  
**CUMULATIVE SOIL VAPOR ANALYTICAL DATA**  
**FORMER CHEVRON SERVICE STATION 93322**  
**7225 BANCROFT AVENUE**  
**OAKLAND, CALIFORNIA**

Sample ID	Sample Date	Probe Depth Interval (fbg)	TPHg	C5-C6	>C6-C8	>C8-C10	>C10-C12	>C8-C10	>C10-C12	Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	MTBE	TBA	DIPE	ETBE	TAME	1,2 DCA	EDB	Ethanol	Naphthalene	Naphthalene	2-propanol <sup>A</sup>	Isobutane <sup>A</sup>	Helium	Oxygen	Carbon Dioxide	Nitrogen	Methane
				Aliphatic Hydrocarbons	Aliphatic Hydrocarbons	Aliphatic Hydrocarbons	Aliphatic Hydrocarbons	Aromatic Hydrocarbons	Aromatic Hydrocarbons														EPA Method TO-15	EPA Method TO-17							
Concentrations reported in micrograms per cubic meter - (µg/m <sup>3</sup> )																															
Concentrations reported in % volume																															
<b>LTP- Soil Gas-Scenario 4, Oxygen &lt; 4%</b>				<b>NE</b>						<b>&lt;85</b>	<b>NE</b>	<b>&lt;1,100</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>&lt;93</b>	<b>&lt;93</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>&lt;4</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>
<b>Residential</b>				<b>NE</b>						<b>&lt;280</b>	<b>NE</b>	<b>&lt;3,600</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>&lt;310</b>	<b>&lt;310</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>&lt;4</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>
<b>Commercial</b>				<b>NE</b>						<b>&lt;85,000</b>	<b>NE</b>	<b>&lt;1,100,000</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>&lt;93,000</b>	<b>&lt;93,000</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>
<b>LTP- Soil Gas-Scenario 4, Oxygen &gt; 4%</b>				<b>NE</b>						<b>&lt;280,000</b>	<b>NE</b>	<b>&lt;3,600,000</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>&lt;310,000</b>	<b>&lt;310,000</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>
<b>Residential</b>				<b>NE</b>						<b>&lt;40</b>	<b>&lt;48</b>	<b>66</b>	<b>&lt;55</b>	<b>&lt;55</b>	<b>&lt;46</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>3,900</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
<b>Commercial</b>				<b>NE</b>						<b>&lt;34</b>	<b>&lt;41</b>	<b>&lt;47</b>	<b>&lt;47</b>	<b>&lt;47</b>	<b>&lt;39</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>&lt;13,000</b>	<b>--</b>	<b>4.5</b>	<b>5.2</b>	<b>--</b>	<b>--</b>
VP-3 DUP	08/11/05	10.0-11.5	18,000	--	--	--	--	--	--	<b>&lt;34</b>	<b>&lt;41</b>	<b>&lt;47</b>	<b>&lt;47</b>	<b>&lt;47</b>	<b>&lt;39</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>&lt;13,000</b>	<b>--</b>	<b>4.5</b>	<b>5.2</b>	<b>--</b>	<b>--</b>	
VP-3	07/18/05	10.0-11.5	10,000	--	--	--	--	--	--	<b>&lt;34</b>	<b>&lt;41</b>	<b>&lt;47</b>	<b>&lt;47</b>	<b>&lt;47</b>	<b>&lt;39</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>&lt;13,000</b>	<b>--</b>	<b>4.5</b>	<b>5.2</b>	<b>--</b>	<b>--</b>	
VP-3	04/22/05	10.0-11.5	--	--	--	--	--	--	--	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>&lt;13,000</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	
VP-4	02/25/16	5.0-6.5	1,500,000	100,000	1,400,000	170,000	<22,000	<16,000	<18,000	<520	<610	<700	<700	<700	<580	--	--	--	--	--	--	--	<1,700	<5.0	--	--	<0.13	1.6	12	82	4.8
VP-4 DUP	02/25/16	5.0-6.5	1,600,000	100,000	1,400,000	180,000	<22,000	<16,000	<18,000	<520	<610	<700	<700	<700	<580	--	--	--	--	--	--	--	<1,700	<5.0	--	--	<0.13	1.6	12	82	4.8
VP-4	05/23/08	5.0-6.5	2,100,000	--	--	--	--	--	--	<170	<200	<230	<230	<230	260	<650	<900	<900	<900	<220	<410	<410	<1100	--	--	--	<0.11	1.3	18	--	--
VP-4	09/29/06	5.0-6.5	1,500,000	--	--	--	--	--	--	<91	<110	<120	<120	210	<350	<480	<480	<480	<120	<220	<220	--	--	--	--	ND	7.8	14	--	--	
VP-4	08/11/05	5.0-6.5	2,300,000	--	--	--	--	--	--	150	<43	60	120	<50	540	--	--	--	--	--	--	--	--	--	48	--	--	--	--	--	
VP-4	07/18/05	5.0-6.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	04/22/05	5.0-6.5	1,800,000	--	--	--	--	--	--	<39	97	<54	97	<54	220	--	--	--	--	--	--	--	--	--	--	>650,000	--	13	6.0	--	--
VP-4	05/23/08	7.5-9.0	2,700,000	--	--	--	--	--	--	<790	<930	<1100	<1100	<1100	<890	<3000	<4100	<4100	<4100	<1000	<1900	<1100	--	--	--	--	<0.12	1.2	15	--	--
VP-4	09/29/06	7.5-9.0	2,800,000	--	--	--	--	--	--	<180	<210	<240	<240	<240	410	<680	<940	<940	<940	<230	<430	<420	--	--	--	ND	5.1	16	--	--	
VP-4	08/11/05	7.5-9.0	1,800,000	--	--	--	--	--	--	120	<42	<49	79	<49	700	--	--	--	--	--	--	--	--	--	690	--	--	--	--	--	
VP-4	07/18/05	7.5-9.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	04/22/05	7.5-9.0	1,300,000	--	--	--	--	--	--	<39	99	<54	110	<54	340	--	--	--	--	--	--	--	--	--	--	>420,000	--	15	5.5	--	--
VP-4	05/23/08	10.0-11.5	15,000,000	--	--	--	--	--	--	<1500	2,600	<2000	<2000	<2000	<1700	<5600	<7800	<7800	<7800	<1900	<3600	<3500	<9800	--	--	--	<0.12	3.2	11	--	--
VP-4	09/29/06	10.0-11.5	42,000,000	--	--	--	--	--	--	180,000	440,000	430,000	250,000	<99,000	<82,000	<280,000	<380,000	<380,000	<380,000	<93,000	<180,000	<170,000	--	--	--	1,854,135	--	1.9	16	--	--
VP-4	08/11/05	10.0-11.5	25,000,000	--	--	--	--	--	--	19,000	<1700	48,000	34,000	<1,900	<1,600	--	--	--	--	--	--	--	--	--	<1,100	--	--	--	--	--	
VP-4	07/18/05	10.0-11.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	04/22/05	10.0-11.5	280,000	--	--	--	--	--	--	<40	48	<55	<55	<55	<46	--	--	--	--	--	--	--	--	--	340,000 <sup>B</sup>	--	21	0.2	--	--	
VP-4	LAB DUPLICATE		270,000	--	--	--	--	--	--	41	<48	<55	<55	<55	<46	--	--	--	--	--	--	--	--	--	370,000 <sup>B</sup>	--	--	--	--	--	--

**Notes:**

Total petroleum hydrocarbons as gasoline (TPHg) by Modified EPA Method TO-15 before 3Q06 and by Modified EPA Method TO-3 after 3Q06.  
 C5-C6 aliphatic hydrocarbons, >C6-C8 aliphatic hydrocarbons, >C8-C10 aliphatic hydrocarbons, >C10-C12 aliphatic hydrocarbons, >C8-C10 aromatic hydrocarbons, and >C10-C12 aromatic hydrocarbons by Modified EPA Method TO-15 GC/MS Full Scan.  
 Benzene, toluene, ethylbenzene and xylenes (BTEX), methyl tertiary butyl ether (MTBE), tert-Butyl alcohol (TBA), isopropyl ether (DIPE), ethyl-tert-butyl ether (ETBE), tert-amyl methyl ether (TAME), 1,2-dichloroethane (1,2-DCA), 1,2-dibromoethane (EDB), ethanol, naphthalene, 2-propanol and isobutane by Modified EPA Method TO-14A in 2005 and by Modified EPA Method TO-15 after 2005.  
 Helium, oxygen and carbon dioxide by ASTM D-1946.  
 fbg = Feet below grade.  
 <x = Not detected above method detection limit.  
 ND = Not detected above laboratory method detection limit, no detection limit reported.  
 NE = Not established  
 >xxx = Laboratory report indicates saturated peak, data reported as estimated  
 A = 2-propanol and isobutane were used as leak test compounds per DTSC guidelines in Advisory - Active Soil Gas Investigations, published January 2003. Originally reported in part per billion by volume (ppbv) and converted to µg/m3 using Air Toxics Units Conversion Calculator  
 B = Exceeded laboratory instrument calibration range  
 \* = Only soil vapor probes VP-3 and VP-4 were sampled during the August, 2005 resampling event.

# Appendix A

## Regulatory Correspondence

## Lee, Nathan

---

**From:** Detterman, Mark, Env. Health <Mark.Detterman@acgov.org>  
**Sent:** Monday, 18 April 2016 2:10 PM  
**To:** Lee, Nathan  
**Cc:** Horne, Mark (MarkHorne)  
**Subject:** RE: Former Chevron 93322 - 7225 Bancroft Avenue RO 0274 - Extension Request

Mark and Nate,  
I've updated the delivery date on Geotracker based on your request. Please use this email should you need to confirm the extension.

Nate,  
Thanks for the voice mail to additionally communicate the reasons for the request.

*Mark Detterman*  
*Senior Hazardous Materials Specialist, PG, CEG*  
*Alameda County Department of Environmental Health*  
*1131 Harbor Bay Parkway*  
*Alameda, CA 94502*  
*Direct: 510.567.6876*  
*Fax: 510.337.9335*  
*Email: mark.detterman@acgov.org*

*PDF copies of case files can be downloaded at:*

*<http://www.acgov.org/aceh/lop/ust.htm>*

---

From: Lee, Nathan [mailto:Nathan.Lee@ghd.com]  
Sent: Monday, April 18, 2016 1:04 PM  
To: Detterman, Mark, Env. Health  
Cc: Horne, Mark (MarkHorne)  
Subject: Former Chevron 93322 - 7225 Bancroft Avenue RO 0274 - Extension Request

Mark,

GHD Services Inc. (GHD) on behalf of Chevron Environmental Management Company (EMC), would like to request an extension for the *Site Investigation Report* that was requested by Alameda County Environmental Health's (ACEH) in their letter dated March 18, 2015. This extension is requested, due to the amount of rain that was received during the time the soil vapor sampling event was scheduled to take place. Based on the California Environmental Protection Agency Department of Toxic Substances Control (DTSC) *Active Soil Gas Investigations* dated July 2015, GHD had to wait the designated amount of time to allow the soils to dry, prior to sampling. The amount of wait time after a rain event stated by DTSC, is approximately five days of dry weather. GHD had to delay the soil vapor sampling event by approximately a week based on weather conditions. As the sampling was delayed a week, the analytical results were also delayed a week from when GHD originally expected the results. Therefore, due to the delay in receipt of analytical data, an extension of **May 6, 2016** for the *Site Investigation Report* is requested.

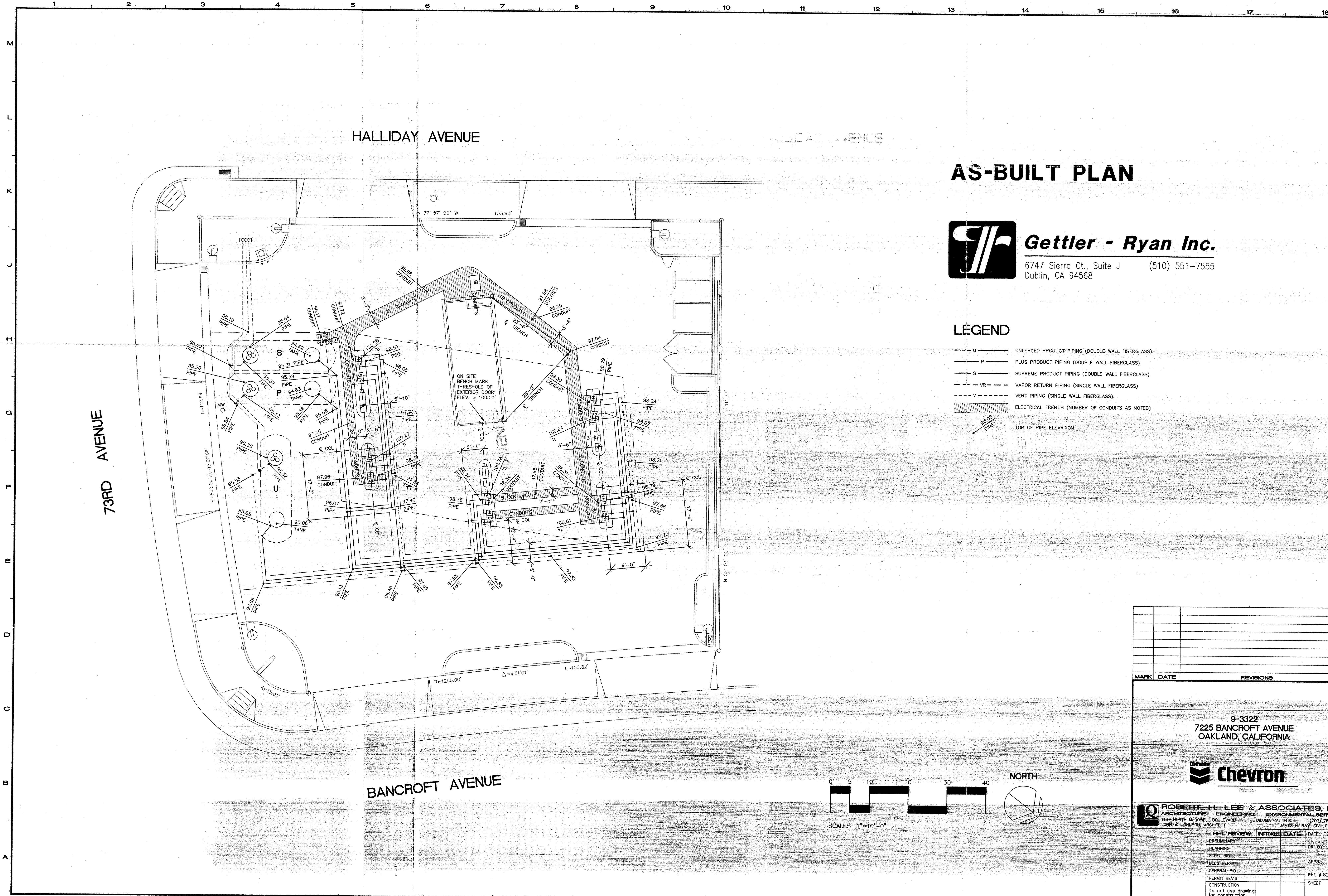
Thanks,

Nathan Lee. P.G.

GHD

T: +1 925 849 1003 | M: +1 510 385 2499 | E: [nathan.lee@ghd.com](mailto:nathan.lee@ghd.com)  
2300 Clayton Road Suite 920 Concord California 94520 United States | [www.ghd.com](http://www.ghd.com)  
[WATER](#) | [ENERGY & RESOURCES](#) | [ENVIRONMENT](#) | [PROPERTY & BUILDINGS](#) | [TRANSPORTATION](#)





# AS-BUILT PLAN



**Gettler - Ryan Inc.**

6747 Sierra Ct., Suite J (510) 551-7555  
Dublin, CA 94568

## LEGEND

- UNLEADED PRODUCT PIPING (DOUBLE WALL FIBERGLASS)
- PLUS PRODUCT PIPING (DOUBLE WALL FIBERGLASS)
- SUPREME PRODUCT PIPING (DOUBLE WALL FIBERGLASS)
- VAPOR RETURN PIPING (SINGLE WALL FIBERGLASS)
- VENT PIPING (SINGLE WALL FIBERGLASS)
- ELECTRICAL TRENCH (NUMBER OF CONDUITS AS NOTED)
- TOP OF PIPE ELEVATION

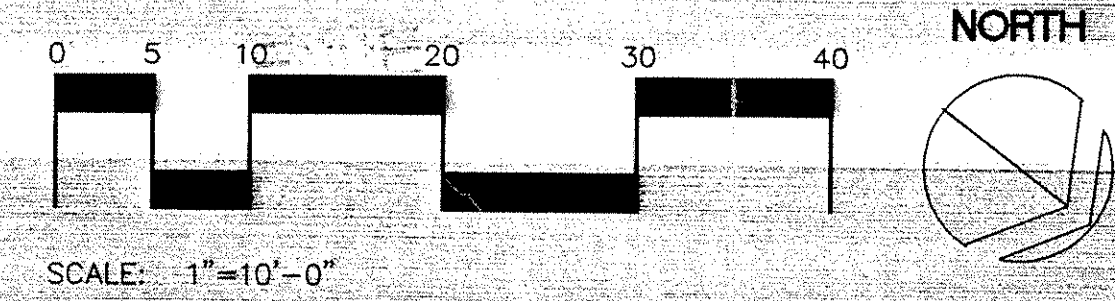
MARK	DATE	REVISIONS	INITIALS

9-3322  
7225 BANCROFT AVENUE  
OAKLAND, CALIFORNIA



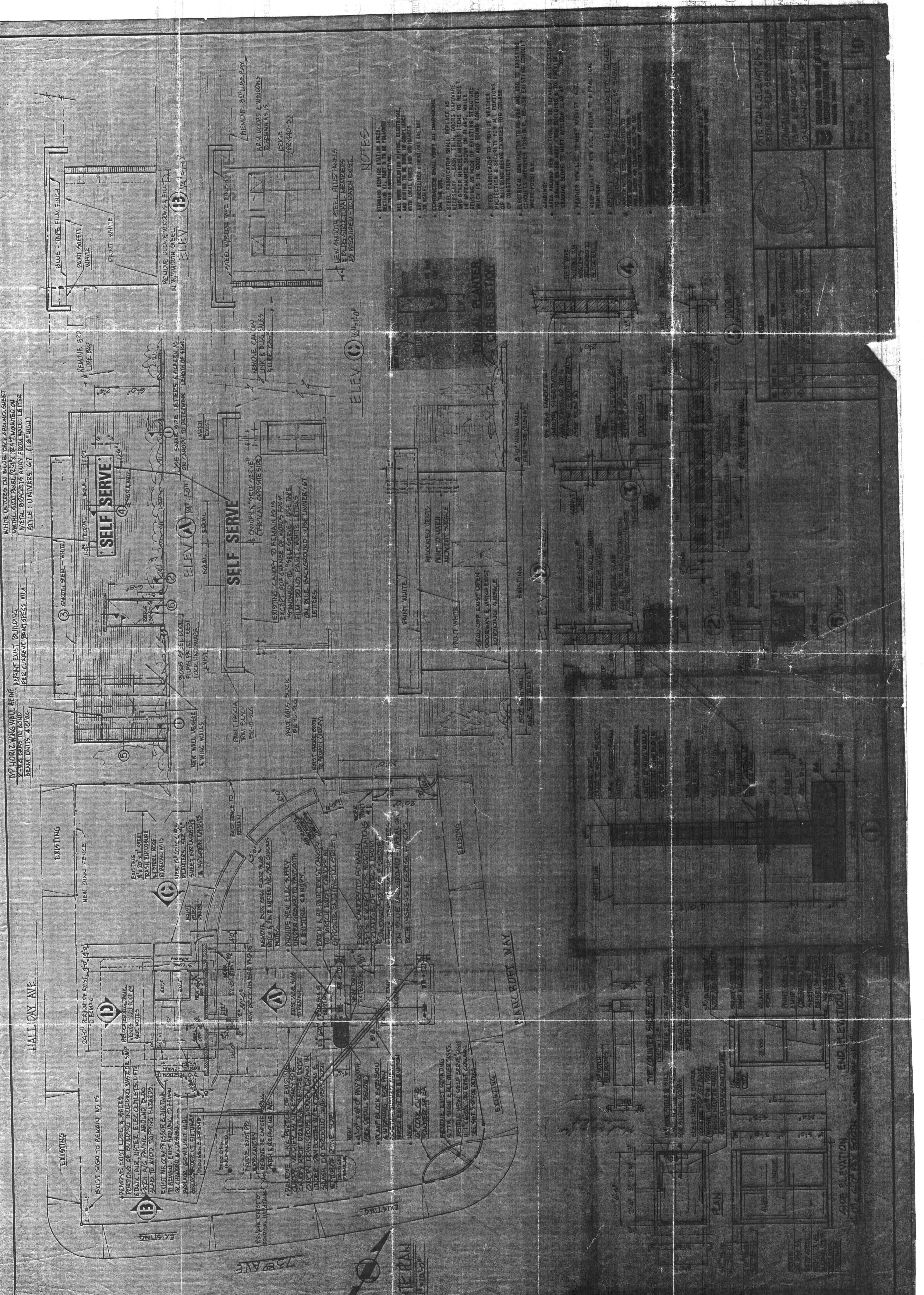
**ROBERT H. LEE & ASSOCIATES, INC.**  
ARCHITECTURE - ENGINEERING - ENVIRONMENTAL SERVICES  
1137 NORTH MADWELL BOULEVARD PETALUMA, CA 94954 (707) 765-1660  
JOHN W. JOHNSON, ARCHITECT JAMES H. RAY, CIVIL ENGINEER

RHL REVIEW	INITIAL	DATE	DATE: 02AUG96
PRELIMINARY			DR. BY:
PLANNING			
STEEL BID			APPR:
BLDG PERMIT			RHL # 8233.20
GENERAL BID			SHEET
PERMIT REV'S			
CONSTRUCTION			
Do not use drawing for construction unless initialed			



DRAWING No.





**NOTES**

- STANDARD SERVICE STATION SPEC. SECTION 11, PART 8 TO BE FOLLOWED IN THIS CONSTRUCTION.
- ALL WORK INCLUDING PIPING, ELECTRICAL, AND FINISH TO BE DONE IN ACCORDANCE WITH LOCAL CODES AND ORDINANCES.
- ANY UNDESIRABLE DIRECTIONS ARE NOT TO BE USED.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON THE SITE.
- STEEL FABRICATOR SHALL REPLACE AS STRENGTHENED STEEL TALK ROOFS HARDWARE AND OTHER MISCELLANEOUS ITEMS TO RESULT IN APPEARANCE SHOWN ON PLANS, WHILE REPAIRING AS MUCH OF EXISTING STRUCTURE WHICH IS IN GOOD AND SOUND CONDITION.
- STEEL FABRICATOR TO PROVIDE WEATHER PROTECTION & SECURITY FOR ALL PORTIONS OF BUILDING BEING CHANGED FOR PURPOSE OF CONSTRUCTION.
- ELECTRICAL CONTRACTOR TO RE-USE AND ADD TO EXISTING CIRCUITS WHEREVER POSSIBLE. RE-USE EXISTING CIRCUITS WHERE POSSIBLE.
- KEEP LIMIT OF NEW A.C. PAVING TO A PRACTICAL MINIMUM.
- REPAIR CANOPY, BUILDINGS & FACILITIES TO MEET STANDARD PAVEMENT SPEC. VIT. A. 2. AS SHOWN.
- SCHEDULED WORK SHALL BE TO BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
- FEATHER NEW ARE TO MEET EXIST. A.C.
- NEW BOUND NEW ADDITION TO BE REPAIRED AS NECESSARY TO DRAIN WATER AWAY FROM BUILDING & TO PROVIDE GRADUAL SLOPE TO MEET W/ADJ. SLAB AT "000".

ELEV (C) 1/4"=1'-0"

ELEV (A) 1/4"=1'-0"

ELEV (B) 1/4"=1'-0"

END ELEVATION (A)

END ELEVATION (B)

**SITE PLAN ELEVATIONS & DETAILS - SELF-SERVE**

COMPANY: [REDACTED]

DATE: [REDACTED]

PROJECT: [REDACTED]

DESIGNED BY: [REDACTED]

DRAWN BY: [REDACTED]

SCALE: [REDACTED]

STANDARD SERVICE STATION, INC.

10000 W. 100th Ave., Suite 100, Denver, CO 80231

TEL: (303) 751-1000

FAX: (303) 751-1001

WWW: www.standard-service.com

PLAN

TOP COUNTER SHEET SECTION

SIDE ELEVATION (A)

SIDE ELEVATION (B)



---

From: Detterman, Mark, Env. Health [<mailto:Mark.Detterman@acgov.org>]  
Sent: Thursday, 3 December 2015 2:09 PM  
To: Lee, Nathan  
Cc: Horne, Mark (MarkHorne)  
Subject: RE: Former Chevron 93322 - 7225 Bancroft Avenue RO 0274 - Extension Request

Nathan,  
Thanks for the update. I've revised the delivery date to April 29<sup>th</sup> on Geotracker.

*Mark Detterman*  
*Senior Hazardous Materials Specialist, PG, CEG*  
*Alameda County Environmental Health*  
*1131 Harbor Bay Parkway*  
*Alameda, CA 94502*  
*Direct: 510.567.6876*  
*Fax: 510.337.9335*  
*Email: [mark.detterman@acgov.org](mailto:mark.detterman@acgov.org)*

*PDF copies of case files can be downloaded at:*

*<http://www.acgov.org/aceh/lop/ust.htm>*

---

From: Lee, Nathan [<mailto:Nathan.Lee@ghd.com>]  
Sent: Thursday, December 03, 2015 1:46 PM  
To: Detterman, Mark, Env. Health  
Cc: Horne, Mark (MarkHorne)  
Subject: RE: Former Chevron 93322 - 7225 Bancroft Avenue RO 0274 - Extension Request

Mark,

GHD Services Inc. (GHD) on behalf of Chevron Environmental Management Company (EMC), would like to request an extension for the *Site Investigation Report* that was requested by Alameda County Environmental Health's (ACEH) in their letter dated March 18, 2015. As discussed over the phone on May 28, 2015, in order to advance a boring south of the UST, the boring will have to be placed in the parking area/lane of 73<sup>rd</sup> Avenue. This extension is requested, due to the lengthy process to receive new permits from the City of Oakland to work in the parking area/lane of 73<sup>rd</sup> Avenue. GHD only recently received approval on all the permits submitted to the City. All that is required to finalize the permits are the dates that the work will be conducted. This site falls within the City of Oakland's moratorium, which prohibits work within the City's right of way from November 1, 2015 to January 2, 2016. Due to this moratorium below are the scheduled dates of field activities:

**January 12, 2016** – Utility locate

**February 16 – 18, 2016** – Soil boring advancement

Therefore, in order to advance all the borings at once, as discussed, an extension of **May 6, 2016** for the *Site Investigation Report* is requested, based on the time required to obtain the City of Oakland permits and the City of Oakland's moratorium. This extension takes into account the two weeks that is required to obtain results from the laboratory. This requested extension date is dependent on City of Oakland not requiring any additional information in order to advance borings in the City's right of way.

Thanks,

Nathan Lee. P.G.

GHD

T: +1 925 849 1003 | M: +1 510 385 2499 | E: [nathan.lee@ghd.com](mailto:nathan.lee@ghd.com)  
2300 Clayton Road Suite 920 Concord California 94520 United States | [www.ghd.com](http://www.ghd.com)  
[WATER](#) | [ENERGY & RESOURCES](#) | [ENVIRONMENT](#) | [PROPERTY & BUILDINGS](#) | [TRANSPORTATION](#)



---

From: Detterman, Mark, Env. Health [<mailto:Mark.Detterman@acgov.org>]  
Sent: Tuesday, September 01, 2015 3:54 PM  
To: Lee, Nathan  
Cc: Horne, Mark (MarkHorne)  
Subject: RE: Former Chevron 93322 - 7225 Bancroft Avenue RO 0274 - Extension Request

Nate and Mark,  
I've updated Geotracker with a December 18 submittal date based on a two month processing time for the city of Oakland, knowledge of the City of Oakland prohibition of drilling in city streets between November 1 and January 1, and an ability to coordinate a drilling date with a driller prior to receipt of the permit and prior to the November 1 prohibition start. If the city can't issue a permit in less than another two months, since this has been in re-permitting process since the last extension request, then the drill date can be canceled and an extension can be provided.  
If you have questions, please let me know.

*Mark Detterman*  
*Senior Hazardous Materials Specialist, PG, CEG*  
*Alameda County Environmental Health*  
*1131 Harbor Bay Parkway*  
*Alameda, CA 94502*  
*Direct: 510.567.6876*  
*Fax: 510.337.9335*  
*Email: [mark.detterman@acgov.org](mailto:mark.detterman@acgov.org)*

*PDF copies of case files can be downloaded at:*

*<http://www.acgov.org/aceh/lop/ust.htm>*

---

From: Lee, Nathan [<mailto:Nathan.Lee@ghd.com>]  
Sent: Tuesday, September 01, 2015 9:37 AM  
To: Detterman, Mark, Env. Health  
Cc: Horne, Mark (MarkHorne)  
Subject: Former Chevron 93322 - 7225 Bancroft Avenue RO 0274 - Extension Request

Mark,

GHD Services Inc. (GHD) on behalf of Chevron Environmental Management Company (EMC), would like to request an extension for the *Site Investigation Report* that was requested by Alameda County Environmental Health's (ACEH) in their letter dated March 18, 2015. This extension is requested due to the inability to advanced the soil boring located south of the underground storage tanks (UST), within the sidewalk, that ACEH requested. As discussed over the phone on May 28, 2015, this boring can not be advanced in the proposed location based on the required offset distance from the USTs and the presence of utilities within the sidewalk. As discussed, in order to advance a boring south of the UST, the boring will have to be placed in the parking area/lane of 73<sup>rd</sup> Avenue. In order to advance this boring within 73<sup>rd</sup> Avenue, new permits from the City of Oakland will have to be obtained and traffic control will need to be conducted for both a utility survey and the boring advancement. The City of Oakland also recently implemented an online permitting process. The online process required a lengthily registration process. We have completed the online registration and resubmitted the permit applications to the City. We will keep up updated on the permitting process. Therefore, in order to advance all the borings at once, as discussed, an extension of **January 15, 2016** for the *Site Investigation Report* is requested, based on the time required to obtain the City of Oakland permits and to schedule the necessary subcontractors. This requested extension date is dependent on obtaining the City of Oakland permits and subcontractor availability

Thank You,

Nathan Lee. P.G.

GHD

T: +1 925 849 1003 | M: +1 510 385 2499 | E: [nathan.lee@ghd.com](mailto:nathan.lee@ghd.com)  
2300 Clayton Road Suite 920 Concord California 94520 United States | [www.ghd.com](http://www.ghd.com)  
[WATER](#) | [ENERGY & RESOURCES](#) | [ENVIRONMENT](#) | [PROPERTY & BUILDINGS](#) | [TRANSPORTATION](#)

---

From: Detterman, Mark, Env. Health [<mailto:Mark.Detterman@acgov.org>]  
Sent: Wednesday, June 10, 2015 9:44 AM  
To: Lee, Nathan  
Cc: Horne, Mark (MarkHorne)  
Subject: RE: Former Chevron 93322 - 7225 Bancroft Avenue RO 0274 - Extension Request

Nathan,  
Thanks for the update. The hope is that this bore location will (help) define the extent of contamination to the southeast of the UST pit. I've updated Geotracker to reflect the requested extension date. Good luck with the city.

*Mark Detterman*  
*Senior Hazardous Materials Specialist, PG, CEG*  
*Alameda County Environmental Health*  
*1131 Harbor Bay Parkway*  
*Alameda, CA 94502*  
*Direct: 510.567.6876*  
*Fax: 510.337.9335*  
*Email: [mark.detterman@acgov.org](mailto:mark.detterman@acgov.org)*

*PDF copies of case files can be downloaded at:*

*<http://www.acgov.org/aceh/lop/ust.htm>*

---

From: Lee, Nathan [<mailto:nlee@croworld.com>]  
Sent: Tuesday, June 09, 2015 5:08 PM  
To: Detterman, Mark, Env. Health  
Cc: Horne, Mark (MarkHorne)  
Subject: Former Chevron 93322 - 7225 Bancroft Avenue RO 0274 - Extension Request

Mark,

Conestoga-Rovers and Associates (CRA) on behalf of Chevron Environmental Management Company (EMC), would like to request an extension for the *Site Investigation Report* that was requested by Alameda County Environmental Health's (ACEH) in their letter dated March 18, 2015. This extension is requested due to the inability to advanced the soil boring located south of the underground storage tanks (UST), within the sidewalk, that ACEH requested. As discussed over the phone on May 28, 2015, this boring can not be advanced in the proposed location based on the required offset distance from the USTs and the presence of utilities within the sidewalk. As discussed, in order to advance a boring south of the UST, the boring will have to be placed in the parking area/lane of 73<sup>rd</sup> Avenue. In order to advance this boring within 73<sup>rd</sup> Avenue, new permits from the City of Oakland will have to be obtained and traffic control will need to be conducted for both a utility survey and the boring advancement. Therefore, in order to advance all the borings at once, as discussed, an extension of **September 11, 2015** for the *Site Investigation Report* is requested, based on the time required to obtain the City of Oakland permits and to schedule the necessary subcontractors. This requested extension date is dependent on obtaining the City of Oakland permits and subcontractor availability.

Thanks,

**Nathan Lee, P.G.**  
**Conestoga-Rovers & Associates (CRA)**  
2300 Clayton Road, Suite 920  
Concord, CA 94520

Phone: 925.849.1003  
Fax: 510.420.9170  
Cell: 510.385.2499  
Email: [nlee@CRAworld.com](mailto:nlee@CRAworld.com)

---

**We are changing our name to GHD in July! To learn more about CRA's merger with GHD, visit [www.CRAworld.com/ghd](http://www.CRAworld.com/ghd)**

---

This e-mail has been scanned for viruses

---

This e-mail has been scanned for viruses

---

This e-mail has been scanned for viruses

---

This e-mail has been scanned for viruses

## Lee, Nathan

---

**From:** Lee, Nathan  
**Sent:** Wednesday, 27 January 2016 3:16 PM  
**To:** Detterman, Mark, Env. Health  
**Cc:** Horne, Mark (MarkHorne); Hoey, Kiersten  
**Subject:** Former Chevron 93322 - 7225 Bancroft Avenue RO 0274 - Former Used-Oil Underground Storage Tank  
**Attachments:** 93322-NORCAL Figure.pdf; 93322-AS-BUILTS -1.pdf; 93322-AS-BUILTS-2.pdf

Mark,

GHD Services, Inc. (GHD) on behalf of Chevron Environmental Management Company (EMC) is providing information to Alameda County Environmental Health (ACEH) as to why the soil boring in the suspected former used-oil underground storage tank (UST) location should not be advanced. This boring was proposed in Conestoga-Rovers and Associates (CRA) October 1, 2014 *Focused Site Conceptual Model and Data Gap Investigation Work Plan* and CRA's January 30, 2015 *Data Gap Work Plan Addendum and Interim Remedial Action Plan Response* (Work Plan Addendum) which were conditionally approved by ACEH in a letter dated March 18, 2015.

On May 15, 2015, GHD supervised a geophysical utility location survey conducted by NORCAL Geophysical Consultants, Inc. (NORCAL). In the Work Plan Addendum, GHD concurred with ACEH's request for one soil boring in the suspected former used oil underground storage tank (UST) vicinity. During the geophysical survey, NORCAL identified a ground penetrating radar (GPR) anomaly adjacent to this proposed boring (see NORCAL's attached figure). To determine the GPR anomaly, GHD obtained both the station's current and a historic as-built drawings, (see attached and hard copies were provided to ACEH in a meeting on December 17, 2015). The current as-built drawing concurs with the underground utility lines found during the geophysical survey, but does not show any evidence that may be the GPR anomaly source. The historic 1976 as-built drawing shows a pay booth, not a used-oil UST, in the proposed boring location. The pay booth has since been removed, and the GPR anomaly is likely due to the pay booth's remaining footing. There is also no evidence of a used-oil UST or a service bay on the as-built drawings. There is mention of a waste oil sump on the as-built, but there is no evidence as to the nature of the waste oil sump or where it may have been located. As there is no record of a used-oil UST at this location, GHD recommends eliminating this proposed boring from the scope of work.

Thank You,

Nathan Lee. P.G.

GHD

T: +1 925 849 1003 | M: +1 510 385 2499 | E: [nathan.lee@ghd.com](mailto:nathan.lee@ghd.com)  
2300 Clayton Road Suite 920 Concord California 94520 United States | [www.ghd.com](http://www.ghd.com)  
[WATER](#) | [ENERGY & RESOURCES](#) | [ENVIRONMENT](#) | [PROPERTY & BUILDINGS](#) | [TRANSPORTATION](#)



ENVIRONMENTAL HEALTH DEPARTMENT  
ENVIRONMENTAL PROTECTION  
1131 Harbor Bay Parkway, Suite.250  
Alameda, CA 94502-6577  
(510) 567-6700  
FAX (510) 337-9335

March 18, 2015

Mr. Mark Horne  
Chevron Products Company  
6101 Bollinger Canyon Road  
San Ramon, CA 94583  
(sent via electronic mail to  
[MHorne@chevron.com](mailto:MHorne@chevron.com))

7225 Bancroft St LP  
c/o The Najdawi 2009 Trust  
5 Kingswood Circle  
Hillsborough, CA 94010

Mr. Amardeep Sidhu  
Malwa Petroleum Sales, LLC  
Address Unknown

Mike and Dean Najdawi  
Address Unknown

Subject: Conditional Work Plan Addendum Approval; Fuel Leak Case No. RO0000274 and Geotracker Global ID T0600102079, Chevron #9-3322; 7225 Bancroft Avenue, Oakland, CA 94605

Dear Responsible Parties:

Alameda County Environmental Health (ACEH) staff has reviewed the case file including the *Data Gap Work Plan Addendum and Interim Remedial Action Plan Response*, dated January 30, 2015, and the *Fourth Quarter 2014 Groundwater Monitoring and Sampling Report*, dated February 13, 2015. The reports were prepared and submitted on your behalf by Conestoga-Rovers & Associates (CRA). Thank you for submitting the reports.

Based on ACEH staff review of the work plan, the proposed scope of work is conditionally approved for implementation provided that the technical comments below are incorporated during the proposed work. Submittal of a revised work plan or a work plan addendum is not required unless an alternate scope of work outside that described in the work plan or these technical comments is proposed. We request that you address the following technical comments, perform the proposed work, and send us the report described below. Please provide 72-hour advance written notification to this office (e-mail preferred to: [mark.detterman@acgov.org](mailto:mark.detterman@acgov.org)) prior to the start of field activities.

#### **TECHNICAL COMMENTS**

1. **Work Plan Modification** – The referenced work plan proposes a series of actions with which ACEH is in general agreement of undertaking; however, ACEH requests one modification to the proposed scope of work. Please submit a report by the date specified below.
  - a. **Location of Soil Bore Between MW-4 and MW-8** – In order to clarify the intended location of the soil bore requested in the previous directive letter (located between wells MW-4 and MW-8), ACEH requests the relocation of the northerly additional proposed soil bore to a position along the eastern property line in the landscape planter such that the bore is located at the approximate mid-point in the gap between these two wells. As discussed in the December 2014 meeting, the intent of the bore is to close this gap along the eastern site perimeter with the collection of soil and grab groundwater representative of the eastern boundary between these existing wells. As stated in the previous directive letter, the presence of an approximately 60 foot gap between the wells in course-grained water-bearing

Responsible Parties  
RO0000274  
March 18, 2015, Page 2

units allows sufficient opportunity for a potential natural, or possible man-made, preferential pathway to exist along the eastern boundary.

### **TECHNICAL REPORT REQUEST**

Please upload technical reports to the ACEH ftp site (Attention: Mark Detterman), and to the State Water Resources Control Board's Geotracker website, in accordance with the specified file naming convention below, according to the following schedule:

- **May 22, 2014** – First Quarter 2015 Groundwater Monitoring Report  
File to be named: RO274\_GWM\_R\_yyyy-mm-dd
- **June 12, 2015** – Site Investigation Report and Updated SCM  
File to be named: RO274\_SWI\_R\_yyyy-mm-dd
- **August 21, 2015** – Second Quarter 2015 Groundwater Monitoring Report  
File to be named: RO274\_GWM\_R\_yyyy-mm-dd

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

Online case files are available for review at the following website: <http://www.acgov.org/aceh/index.htm>.

If your email address is not listed on the first page of this letter, ACEH is requesting your email address to help expedite communications and to help lower overall costs. Please provide that information in your next submittal.

If you have any questions, please call me at (510) 567-6876 or send me an electronic mail message at [mark.detterman@acgov.org](mailto:mark.detterman@acgov.org).

Sincerely,



Digitally signed by Mark E. Detterman  
DN: cn=Mark E. Detterman, o, ou,  
email, c=US  
Date: 2015.03.18 11:35:00 -0700

Mark E. Detterman, P.G., C.E.G.  
Senior Hazardous Materials Specialist

Enclosures: Attachment 1 – Responsible Party (ies) Legal Requirements / Obligations  
Electronic Report Upload (ftp) Instructions

cc: Nathan Lee, Conestoga-Rovers & Associates, Inc., 5900 Hollis Street, Suite A, Emeryville, CA 94608; (sent via electronic mail to [nlee@croworld.com](mailto:nlee@croworld.com))

Dilan Roe, ACEH (sent via electronic mail to [dilan.roe@acgov.org](mailto:dilan.roe@acgov.org))  
Mark Detterman (sent via electronic mail to [mark.detterman@acgov.org](mailto:mark.detterman@acgov.org))  
Electronic file, GeoTracker

## Attachment 1

### Responsible Party(ies) Legal Requirements / Obligations

#### REPORT REQUESTS

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

#### ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website for more information on these requirements ([http://www.waterboards.ca.gov/water\\_issues/programs/ust/electronic\\_submittal/](http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/)).

#### PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

#### PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

#### UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

#### AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.



<b>Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)</b>	<b>REVISION DATE:</b> May 15, 2014
	<b>ISSUE DATE:</b> July 5, 2005
	<b>PREVIOUS REVISIONS:</b> October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010, July 25, 2010
<b>SECTION:</b> Miscellaneous Administrative Topics & Procedures	<b>SUBJECT:</b> Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

## REQUIREMENTS

- Please **do not** submit reports as attachments to electronic mail.
- Entire report including cover letter must be submitted to the ftp site as a **single portable document format (PDF) with no password protection**.
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- **Signature pages and perjury statements must be included and have either original or electronic signature.**
- **Do not password protect the document.** Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted.**
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:

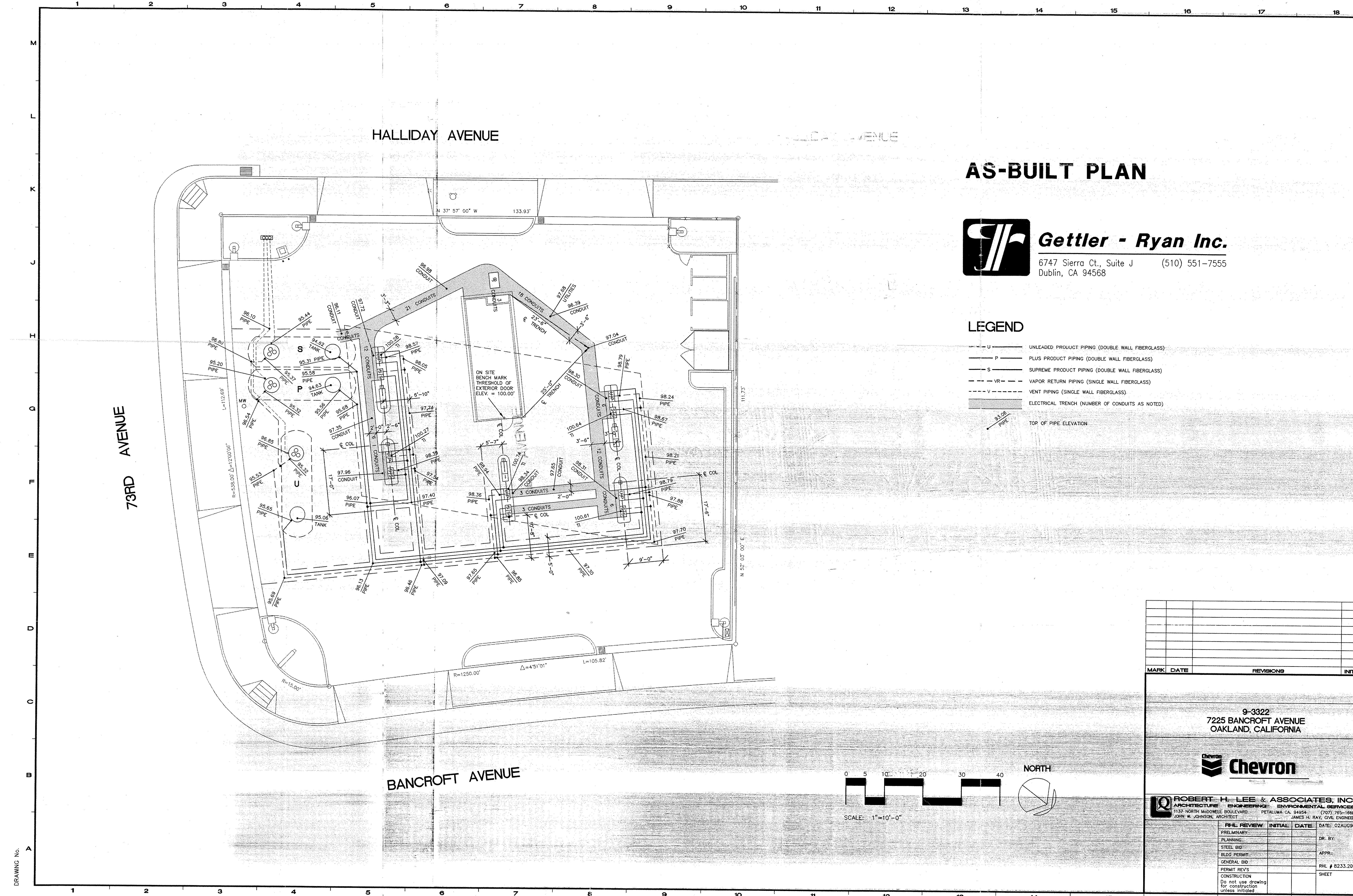
RO#\_Report Name\_Year-Month-Date (e.g., RO#5555\_WorkPlan\_2005-06-14)

## Submission Instructions

- 1) Obtain User Name and Password
  - a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
    - i) Send an e-mail to [deh.loptoxic@acgov.org](mailto:deh.loptoxic@acgov.org)
  - b) In the subject line of your request, be sure to include "**ftp PASSWORD REQUEST**" and in the body of your request, include the **Contact Information, Site Addresses, and the Case Numbers (RO# available in Geotracker) you will be posting for.**
- 2) Upload Files to the ftp Site
  - a) Using Internet Explorer (IE4+), go to <ftp://alcoftp1.acgov.org>
    - (i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
  - b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
  - c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
  - d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
  - e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.
- 3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
  - a) Send email to [deh.loptoxic@acgov.org](mailto:deh.loptoxic@acgov.org) notify us that you have placed a report on our ftp site.
  - b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., [firstname.lastname@acgov.org](mailto:firstname.lastname@acgov.org))
  - c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
  - d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

# Appendix B As-Builts





HALLIDAY AVENUE

HALLIDAY AVENUE

73RD AVENUE

BANCROFT AVENUE

**AS-BUILT PLAN**



**Gettler - Ryan Inc.**

6747 Sierra Ct., Suite J (510) 551-7555  
Dublin, CA 94568

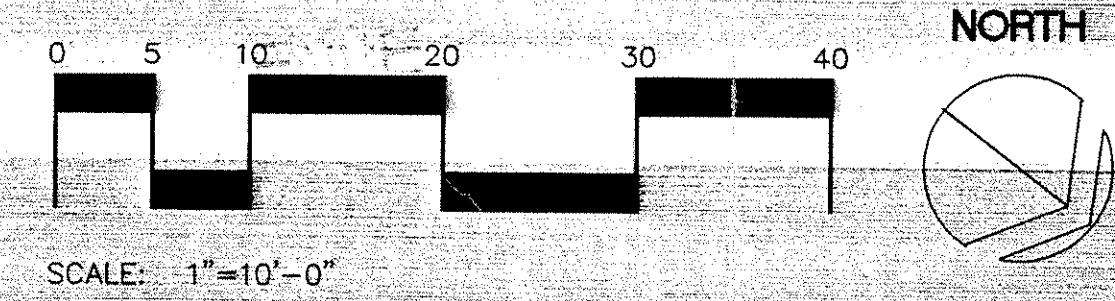
**LEGEND**

- U UNLEADED PRODUCT PIPING (DOUBLE WALL FIBERGLASS)
- P PLUS PRODUCT PIPING (DOUBLE WALL FIBERGLASS)
- S SUPREME PRODUCT PIPING (DOUBLE WALL FIBERGLASS)
- VR VAPOR RETURN PIPING (SINGLE WALL FIBERGLASS)
- V VENT PIPING (SINGLE WALL FIBERGLASS)
- Electrical Trench (Number of Conduits as Noted)
- 92.00 PIPE TOP OF PIPE ELEVATION

MARK	DATE	REVISIONS	INITIALS

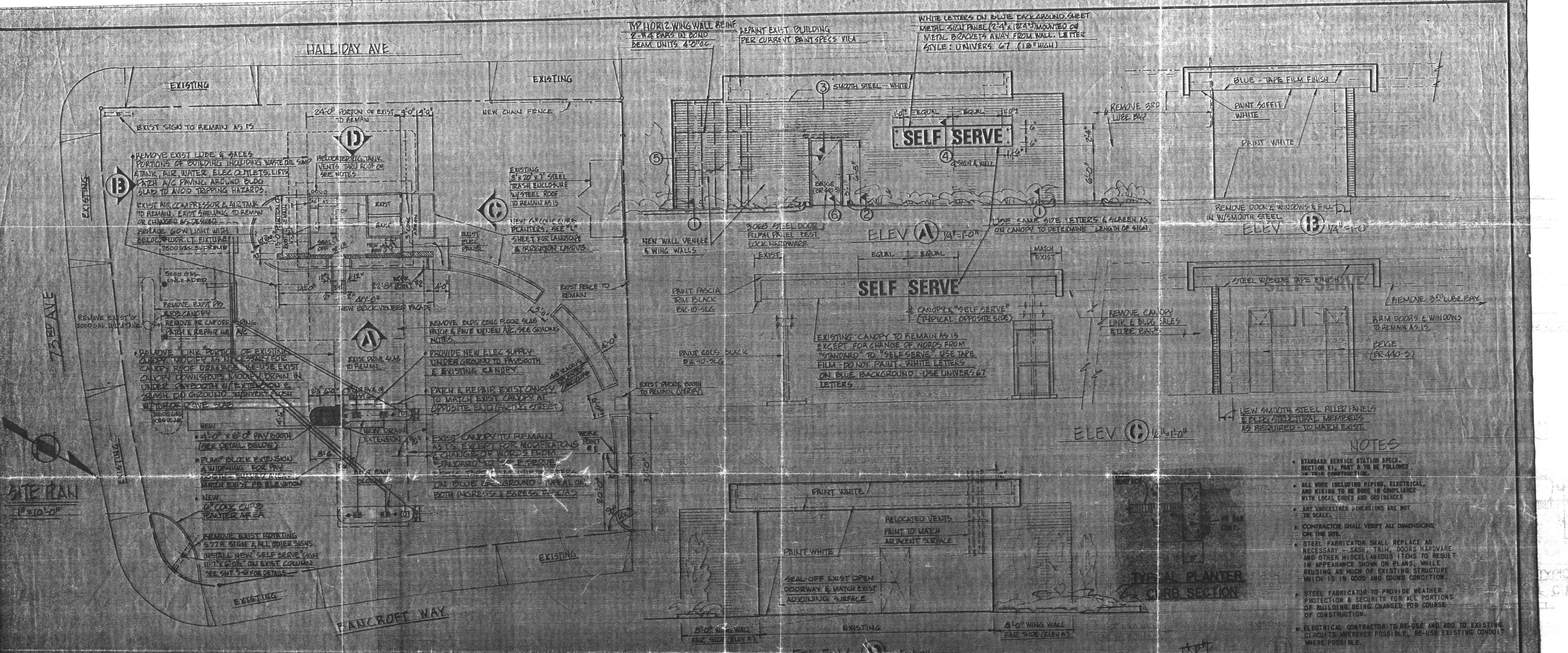
<p>9-3322 7225 BANCROFT AVENUE OAKLAND, CALIFORNIA</p>																																																													
<p><b>ROBERT H. LEE &amp; ASSOCIATES, INC.</b> ARCHITECTURE - ENGINEERING - ENVIRONMENTAL SERVICES 1137 NORTH MADWELL BOULEVARD PETALUMA, CA 94954 (707) 765-1660 JOHN W. JOHNSON, ARCHITECT JAMES H. RAY, CIVIL ENGINEER</p>																																																													
<table border="1"> <thead> <tr> <th>RHL REVIEW</th> <th>INITIAL</th> <th>DATE</th> <th>DATE: 02AUG96</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	RHL REVIEW	INITIAL	DATE	DATE: 02AUG96																																													<table border="1"> <thead> <tr> <th>DR. BY:</th> </tr> </thead> <tbody> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> </tbody> </table>	DR. BY:											
RHL REVIEW	INITIAL	DATE	DATE: 02AUG96																																																										
DR. BY:																																																													
<p>PERMIT REV'S CONSTRUCTION Do not use drawing for construction unless initialed</p>																																																													
<p>RHL # 8233.20 SHEET</p>																																																													



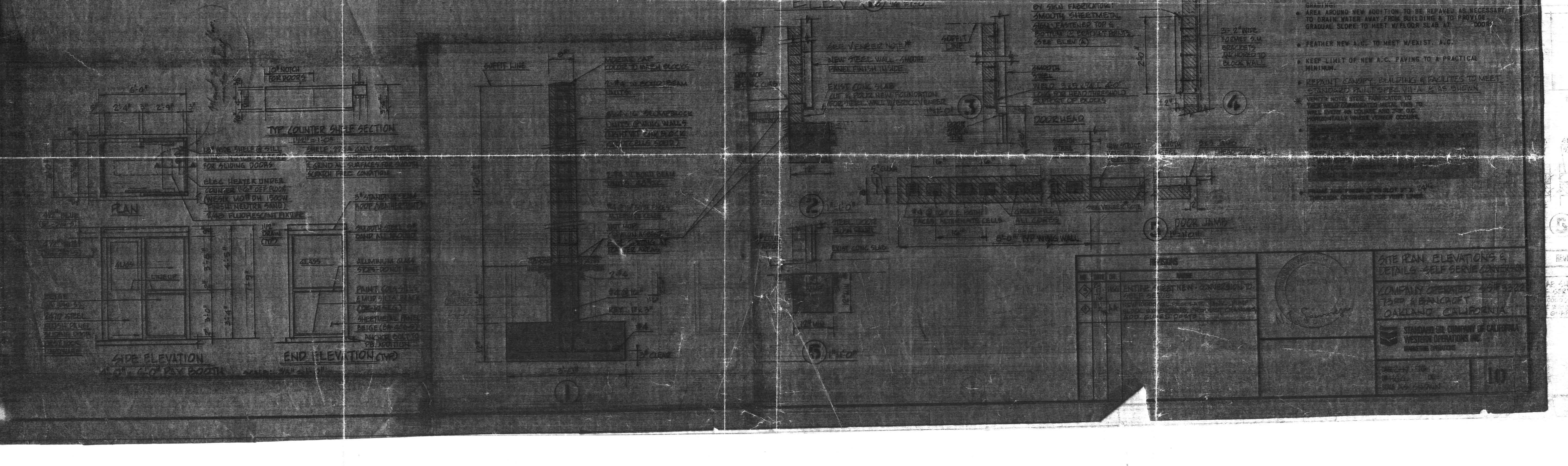
SCALE: 1"=10'-0"

DRAWING No.





- NOTES**
- STANDARD SERVICE STATION SPEC. SECTION VI, PART B TO BE FOLLOWED IN THIS CONSTRUCTION.
  - ALL WORK INCLUDING PIPING, ELECTRICAL, AND WIRING TO BE DONE IN COMPLIANCE WITH LOCAL CODES AND ORDINANCES.
  - ANY UNDERLINED DIMENSIONS ARE NOT TO SCALE.
  - CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON THE SITE.
  - STEEL FABRICATOR SHALL REPLACE AS NECESSARY - SASH, TRIM, DOORS, HARDWARE AND OTHER MISCELLANEOUS ITEMS TO RESULT IN APPEARANCE SHOWN ON PLANS, WHILE REUSING AS MUCH OF EXISTING STRUCTURE WHICH IS IN GOOD AND SOUND CONDITION.
  - STEEL FABRICATOR TO PROVIDE WEATHER PROTECTION & SECURITY FOR ALL PORTIONS OF BUILDING BEING CHANGED FOR COURSE OF CONSTRUCTION.
  - ELECTRICAL CONTRACTOR TO RE-USE AND ADD TO EXISTING CIRCUITS, WHEREVER POSSIBLE, RE-USE EXISTING CONDUIT WHERE POSSIBLE.
  - GRADING: AREA AROUND NEW ADDITION TO BE REPAVED AS NECESSARY TO DRAIN WATER AWAY FROM BUILDING & TO PROVIDE GRADUAL SLOPE TO MEET W/FLOOR SLAB AT DOORS.
  - FEATHER NEW A.C. TO MEET W/EXIST. A.C.
  - KEEP LIMIT OF NEW A.C. PAVING TO A PRACTICAL MINIMUM.
  - REPAINT CANOPY BUILDING & FACILITIES TO MEET STANDARD PAINT SPEC. VII.A. & AS SHOWN. VENEER WITH STEEL FABRICATOR TO VERIFY DISCONTINUED METAL TIES TO WELLS SHALL BE REMOVED AND TIES TO BE REPAIRED AS NECESSARY.
  - REUSE EXISTING CONDUIT WHERE POSSIBLE.



NO.	DATE	DESCRIPTION
1	11/16/76	ENTIRE SHEET NEW - CONSTRUCTION
2	11/16/76	REVISIONS
3	11/16/76	REVISIONS
4	11/16/76	REVISIONS
5	11/16/76	REVISIONS

<b>SITE PLAN ELEVATIONS &amp; DETAILS - SELF SERVE CANOPY</b>	
COMPANY OPERATED BY <b>75th &amp; PANCROFT</b> <b>OAKLAND, CALIFORNIA</b>	
STANDARD OF COMPANY OF CALIFORNIA WESTERN OPERATIONS INC. WESTFIELD, CALIFORNIA	
DRAWN BY CHECKED BY DATE	10



# Appendix C

## Summary of Environmental Investigation and Remediation

### **1981 UST Removal and Replacement**

Chevron records indicate the current underground storage tanks (USTs) were installed in 1981. These tanks represent at least the second generation of USTs at the site. In 1981, no regulations requiring soil or groundwater sampling existed to document conditions associated with the fuel system. As a result, no records of 1981 soil or groundwater conditions are available.

### **August 1996 Product Line Removal and Replacement**

In August 1996, Gettler-Ryan Inc. (G-R) of Dublin, California removed and replaced product piping at the site. Touchstone Developments (Touchstone) of Santa Rosa, California collected compliance soil samples between two and four feet below grade (fbg) beneath the product lines and dispenser islands. Records indicate that approximately 300 cubic yards of soil and pea gravel were excavated during product line removal activities. Additional information is available in Touchstone's May 28, 1997 Product Piping Removal Soil Sampling Report.

### **January 1998 Well Installation**

In January 1998, G-R observed Bay Area Exploration Services, Inc. (BAES) install three 2-inch diameter monitoring wells, MW-1 through MW-3. All three monitoring wells were installed surrounding the former and current dispenser islands. Additional information is available in G-R's March 13, 1998 Well Installation Report.

### **July 1998 Well Survey**

In July 1998, G-R conducted a search of California Department of Water Resources records to identify domestic and municipal supply wells within a 0.5-mile radius of the site. Seven wells were located within the search area, but none were identified as domestic or municipal wells. Additional information is available in G-R's July 21, 1998 Well Search.

### **January 1999 Well Installation**

In January 1999, G-R installed three 2-inch diameter monitoring wells, MW-4 through MW-6, to further define the extent of hydrocarbons in soil and groundwater beneath the site. Additional information is available in G-R's April 9, 1999 Monitoring Well Installation Report.

### **July 2000 Baseline Investigation**

In July 2000, Cambria Environmental Technology, Inc. (Cambria) observed Vironex Inc. of San Leandro, California advance soil borings B-1 and B-2 and install monitoring well MW-7. The purpose of the investigation was to provide information of environmental conditions beneath the site at the time of property transfer. Additional information is available in Cambria's August 31, 2000 Subsurface Investigation Report.

### **September 2000 Additional Baseline Investigation**

In September 2000, Cambria observed V&W Drilling of Rio Vista, California advance borings SB-4 through SB-6. The purpose of this investigation was to provide additional environmental data to satisfy real estate and lending requirements of the station operator for purchase of site facilities. Additional information is available in Cambria's November 22, 2000 Additional Baseline Investigation Report.

### **March 2002 Well Installation**

G-R installed monitoring wells MW-8, MW-9 and MW-10 to delineate light non-aqueous phase liquids (LNAPL) in the vicinity of well MW-1 and further evaluate the dissolved-phase hydrocarbon plume. G-R concluded that the dissolved-hydrocarbon plume is defined downgradient and additional assessment of soil conditions in the vicinity of the newly installed wells was not warranted. Additional information is available in G-R's June 26, 2002 Monitoring Well Installation Report.

### **March 2005 Vapor Probe installation**

Cambria installed four vapor probes VP-1 through VP-4 to construct a horizontal and vertical profile of vapor concentrations along the downgradient boundary and in the area of recurring LNAPL. Vapor probes were sampled a total of five times between April 2005 and May 2008. More information is available in Cambria's July 11, 2005 Vapor Probe Installation Report.

### **September 2007 Surfactant Application**

On September 25 2007, a surfactant enhanced LNAPL extraction event was conducted to remove LNAPL from well MW-1. A total of 348 gallons of a 2 percent surfactant solution was injected at low pressure or gravity-fed into MW-1 and MW-7 (only 1.6 grams were injected in MW-7 due to the small diameter of the well). Following application, the surfactant solution was allowed to equilibrate in the source area smear zone for a period of 24 hours to envelop and micro-emulsify the LNAPL. Afterward, approximately 1,220 gallons of groundwater, surfactant, and LNAPL were extracted. More information is available in Conestoga-Rovers & Associates (CRA)'s January 30, 2009 Site Conceptual Model.

# Appendix D Boring Logs



Gettler-Ryan, Inc.

Log of Boring MW-1

PROJECT: Chevron Service Station #9-3322

LOCATION: 7225 Bancroft Avenue, Oakland, CA

G-R PROJECT NO.: 6433.01

SURFACE ELEVATION: 40.41 feet MSL

DATE STARTED: 01/22/98

WL (ft. bgs): 25.5 DATE: 01/22/98 TIME: 10:40

DATE FINISHED: 01/22/98

WL (ft. bgs): 16.3 DATE: 01/22/98 TIME: 15:45

DRILLING METHOD: 8 in. Hollow Stem Auger

TOTAL DEPTH: 36.5 Feet

DRILLING COMPANY: Bay Area Exploration, Inc.

GEOLOGIST: Barbara Sieminski

DEPTH feet	PTD (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	WELL DIAGRAM
						CL	PAVEMENT - asphalt.	<p>2" blank PVC Sch. 40</p> <p>cap</p> <p>2" machine slotted pvc (0.02 mch)</p> <p>#3 sand</p> <p>bentonite</p> <p>neat cement</p> <p>bentonite</p>
5	0	10	MWI-6			CL	CLAY (CL) - dark gray (10YR 4/1), moist, stiff, medium plasticity; 95% clay, 5% fine sand.	
10	18	19	MWI-11			CL	SANDY CLAY (CL) - brown (10YR 5/3), damp, stiff, low plasticity; 70% clay, 30% fine sand.	
15	168	36	MWI-15			GC	CLAYEY GRAVEL WITH SAND (GC) - light olive brown (2.5Y 5/4) mottled greenish gray (5GY 4/1), moist, dense; 45% subangular to subrounded fine gravel, 35% fine to coarse sand, 20% clay.	
20	68	36	MWI-21			GC	Color changes to yellowish brown (10YR 5/4), up to 40% fine to coarse sand, trace subrounded fine gravel at 10 feet.	
25	56	17	MWI-26			GW-GC	CLAYEY GRAVEL WITH SAND (GC) - light olive brown (2.5Y 5/4) mottled greenish gray (5GY 4/1), moist, dense; 45% subangular to subrounded fine gravel, 35% fine to coarse sand, 20% clay.	
30	7.7	22	MWI-31			GW-GC	Color changes to yellowish brown (10YR 5/6) at 20 feet. No water in the hole after waiting 10 minutes.	
35	142	27	MWI-36			CL	GRAVEL WITH SAND AND CLAY (GW-GC) - olive (5Y 5/3), saturated, medium dense; 50% subrounded to well rounded fine gravel, 30-35% fine to coarse sand, 10-15% clay.	
40						CL	SANDY CLAY (CL) - yellowish brown (10YR 5/6), moist, very stiff, low plasticity; 70% clay, 30% fine to medium sand.	

(\* = converted to equivalent standard penetration blows/ft.)

Gettler-Ryan, Inc.

Log of Boring MW-2

PROJECT: Chevron Service Station #9-3322

LOCATION: 7225 Bancroft Avenue, Oakland, CA

G-R PROJECT NO.: 6433.01

SURFACE ELEVATION: 38.73 feet MSL

DATE STARTED: 01/22/98

WL (ft. bgs): 18.5 DATE: 01/22/98 TIME: 14:55

DATE FINISHED: 01/22/98

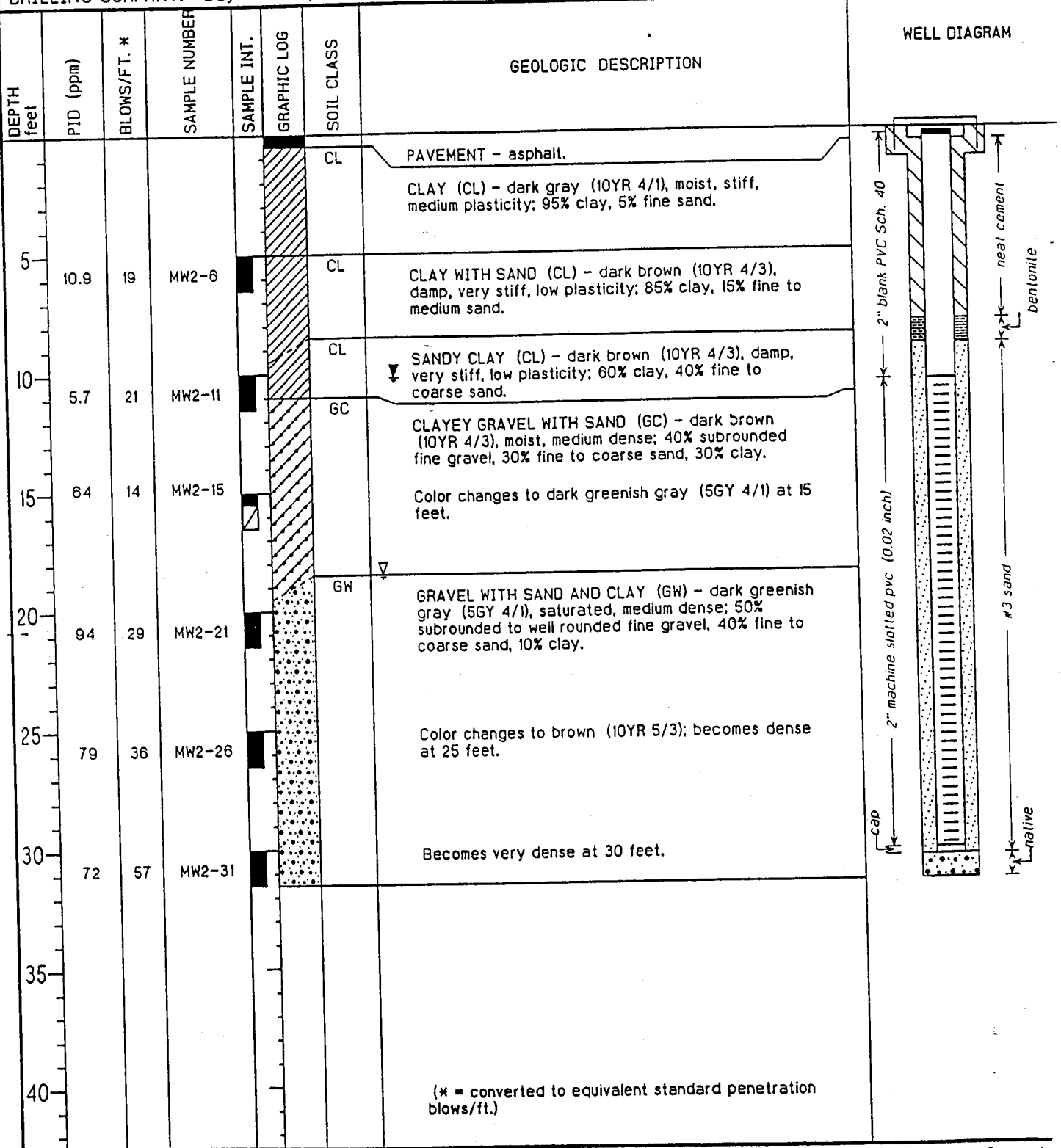
WL (ft. bgs): 10.2 DATE: 01/22/98 TIME: 16:00

DRILLING METHOD: 8 in. Hollow Stem Auger

TOTAL DEPTH: 31.5 Feet

DRILLING COMPANY: Bay Area Exploration, Inc.

GEOLOGIST: Barbara Sieminski



(\* = converted to equivalent standard penetration blows/ft.)

Gettler-Ryan, Inc.

Log of Boring MW-3

PROJECT: <i>Chevron Service Station #9-3322</i>	LOCATION: <i>7225 Bancroft Avenue, Oakland, CA</i>
G-R PROJECT NO.: <i>6433.01</i>	SURFACE ELEVATION: <i>39.51 feet MSL</i>
DATE STARTED: <i>01/22/98</i>	WL (ft. bgs): <i>23.6</i> DATE: <i>01/22/98</i> TIME: <i>13:05</i>
DATE FINISHED: <i>01/22/98</i>	WL (ft. bgs): <i>17.0</i> DATE: <i>01/22/98</i> TIME: <i>15:45</i>
DRILLING METHOD: <i>8 in. Hollow Stem Auger</i>	TOTAL DEPTH: <i>34.5 Feet</i>
DRILLING COMPANY: <i>Bay Area Exploration, Inc.</i>	GEOLOGIST: <i>Barbara Sieminski</i>

DEPTH feet	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	WELL DIAGRAM
							PAVEMENT - asphalt.	
5	0	14	MW3-6			CL	CLAY (CL) - dark gray (10YR 4/1), moist, stiff, medium plasticity; 95% clay, 5% fine sand.	<p>2" blank PVC Sch. 40</p> <p>neat cement</p> <p>bentonite</p> <p>#3 sand</p> <p>bentonite</p> <p>2" machine slotted pvc (0.02 inch)</p> <p>cap</p>
10	0	16	MW3-11			CL	SANDY CLAY (CL) - dark brown (10YR 3/3), damp, stiff, low plasticity; 70% clay, 30% fine to coarse sand, trace subrounded fine gravel.  Color changes to dark yellowish brown (10YR 4/6); sand decreasing to 10% at 10 feet.	
15	0	20	MW3-16			GC/SC	CLAYEY GRAVEL WITH SAND (GC) - light olive brown (2.5Y 5/4), moist, medium dense; 35% subrounded fine gravel, 35% fine to coarse sand, 30% clay.	
20	0	15	MW3-20			ML	SILT (ML) - olive (5Y 5/4), moist, low plasticity, stiff; 100% silt.	
25	0	11	MW3-25			ML	SANDY SILT (ML) - light olive brown (2.5Y 5/6), saturated, low plasticity, stiff; 70% silt, 30% fine sand.	
25	0	19	MW3-26			GC	Color changes to greenish gray (5GY 5/1) at 25.5 feet.	
30	54	14	MW3-31			GW	CLAYEY GRAVEL WITH SAND (GC) - greenish gray (5GY 5/1), saturated, medium dense; 40% subrounded fine to coarse gravel, 35% fine to coarse sand, 25% clay.	
35	40	27	MW3-34			GW	GRAVEL WITH SAND (GW) - dark greenish gray (5GY 4/1), saturated, medium dense; 60% subrounded to well rounded fine to coarse gravel, 40% fine to coarse sand.	
35						CL	SANDY CLAY (CL) - yellowish brown (10YR 5/6), moist, very stiff, low plasticity; 70% clay, 30% fine to coarse sand.	

(\* = converted to equivalent standard penetration blows/ft.)

# Gettler-Ryan, Inc.

# Log of Boring MW-4

PROJECT: *Chevron SS 9-3322*

LOCATION: *7225 Bancroft Ave, Oakland, CA.*

GSI PROJECT NO.: *346433.02*

SURFACE ELEVATION: *40.24 ft. MSL*

DATE STARTED: *01/22/99*

WL (ft. bgs): *24.0* DATE: *01/22/99* TIME: *11:35*

DATE FINISHED: *01/22/99*

WL (ft. bgs): *14.5* DATE: *01/22/99* TIME: *14:25*

DRILLING METHOD: *8 in. Hollow Stem Auger*

TOTAL DEPTH: *31.5 Feet*

DRILLING COMPANY: *Bay Area Exploration Inc.*

GEOLOGIST: *Barbara Sieminski*

DEPTH feet	SAMPLE NUMBER	BLOWS/FT. *	PID (ppm)	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	WELL DIAGRAM
						CL	PAVEMENT - Asphalt. CLAY (CL) - very dark gray (5Y 3/1), moist, medium plasticity, stiff; 95% clay, 5% fine sand.	<p>The well diagram shows a vertical cross-section of the boring. At the top is a cap. Below it is a 2-inch blank PVC (schedule 40) casing. A bentonite seal is located between the casing and the well wall. Below the seal is a section of 2-inch machine slotted PVC (0.02 inch) casing. The well is filled with #3 sand. The bottom of the well is at 31.5 feet.</p>
5	MW4-6	15	0			ML-CL	CLAYEY SILT WITH SAND (ML-CL) - yellowish brown (10YR 5/8), damp, low plasticity, very stiff; 45% silt, 35% clay, 20% fine to coarse sand.  Sand increases to 25-30%, trace fine gravel at 10 feet bgs.	
10	MW4-11	16	0			GC	CLAYEY GRAVEL WITH SAND (GC) - yellowish brown (10YR 5/8), damp, dense; 60% subrounded to well rounded fine to coarse gravel, 20% clay, 20% fine to coarse sand.	
15	MW4-15	0	0			ML	SANDY SILT (ML) - light yellowish brown (10YR 3/4), moist, low plasticity, stiff; 50% silt, 40% fine sand, 10% clay.	
	MW4-16	30	0			GW-GM	GRAVEL WITH SAND AND SILT (GW-GM) - yellowish brown (10YR 5/8), saturated, medium dense; 60% subrounded to well rounded fine to coarse gravel, 30% fine to coarse sand, 10% silt.	
20	MW4-20	0	0					
	MW4-21	15	0					
25	MW4-26	19	0					
30	MW4-31	26	0					
35							Bottom of boring at 31.5 feet.  (* = converted to equivalent standard penetration blows/ft.)	

# Gettler-Ryan, Inc.

# Log of Boring MW-5

PROJECT: <i>Chevron SS 9-3322</i>	LOCATION: <i>7225 Bancroft Ave, Oakland, CA.</i>
GSI PROJECT NO.: <i>346433.02</i>	SURFACE ELEVATION: <i>40.37 ft. MSL</i>
DATE STARTED: <i>01/22/99</i>	WL (ft. bgs): <i>24.0</i> DATE: <i>01/22/99</i> TIME: <i>15:35</i>
DATE FINISHED: <i>01/22/99</i>	WL (ft. bgs): <i>20.6</i> DATE: <i>01/22/99</i> TIME: <i>16:15</i>
DRILLING METHOD: <i>8 in. Hollow Stem Auger</i>	TOTAL DEPTH: <i>31.5 Feet</i>
DRILLING COMPANY: <i>Bay Area Exploration Inc.</i>	GEOLOGIST: <i>Barbara Sieminski</i>

DEPTH feet	SAMPLE NUMBER	BLOWS/FT. *	PID (ppm)	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	WELL DIAGRAM
						CL	PAVEMENT - Concrete. CLAY (CL) - very dark gray (5Y 3/1), moist, medium plasticity, stiff; 95% clay, 5% fine sand.	
5	MW5-6	14	0			ML-CL	CLAYEY SILT WITH SAND (ML-CL) - dark yellowish brown (10YR 4/6), damp, low to medium plasticity, stiff; 40-50% silt, 35% clay, 15-25% fine to coarse sand.	
10	MW5-11	13	0			CL	SANDY CLAY WITH GRAVEL (CL) - yellowish brown (10YR 5/8), damp, low plasticity, very stiff; 80% clay, 30% fine to coarse sand, 10% fine gravel.	
15	MW5-16	18	0			GC	CLAYEY GRAVEL WITH SAND (GC) - yellowish brown (10YR 5/8), damp, dense; 50% subrounded to well rounded fine to coarse gravel, 35% clay, 15% fine to coarse sand.	
20	MW5-21	18	0			ML	SILT (ML) - light yellowish brown (10YR 3/4), damp, low plasticity, very stiff; 50% silt, 30% fine sand, 20% clay.	
25	MW5-26	18	0			SW	SAND WITH GRAVEL (SW) - yellowish brown (10YR 5/4), saturated, medium dense; 80% fine to coarse sand, 15% well rounded fine gravel, 5% clay.	
30	MW5-31	20	0			GW-GM	GRAVEL WITH SAND AND SILT (GW-GM) - light olive brown (2.5Y 5/4), saturated, medium dense; 60% subrounded to well rounded fine to coarse gravel, 30% fine to coarse sand, 10% silt.	
35						SW	SAND (SW) - olive (5Y 5/3), saturated, medium dense; 90% fine to coarse sand, 10% well rounded fine gravel.  Bottom of boring at 31.5 feet. (* = converted to equivalent standard penetration blows/ft.)	

# Gettler-Ryan, Inc.

# Log of Boring MW-6

PROJECT: *Chevron SS 9-3322*

LOCATION: *7225 Bancroft Ave, Oakland, CA.*

GSI PROJECT NO.: *346433.02*

SURFACE ELEVATION: *39.84 ft. MSL*

DATE STARTED: *01/22/99*

WL (ft. bgs): *24.0* DATE: *01/22/99* TIME: *13:45*

DATE FINISHED: *01/22/99*

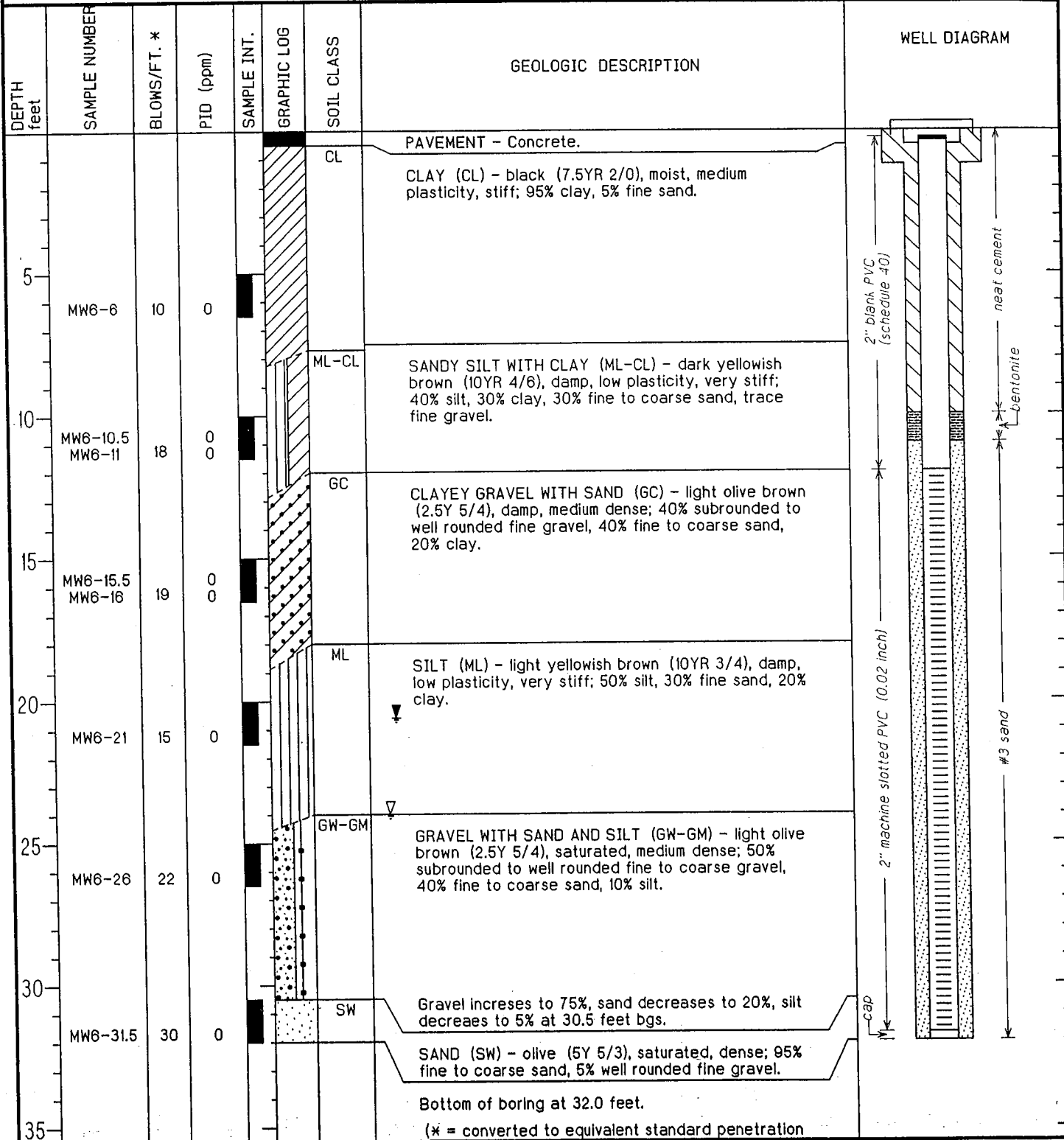
WL (ft. bgs): *20.6* DATE: *01/22/99* TIME: *16:10*

DRILLING METHOD: *8 in. Hollow Stem Auger*

TOTAL DEPTH: *32.0 Feet*

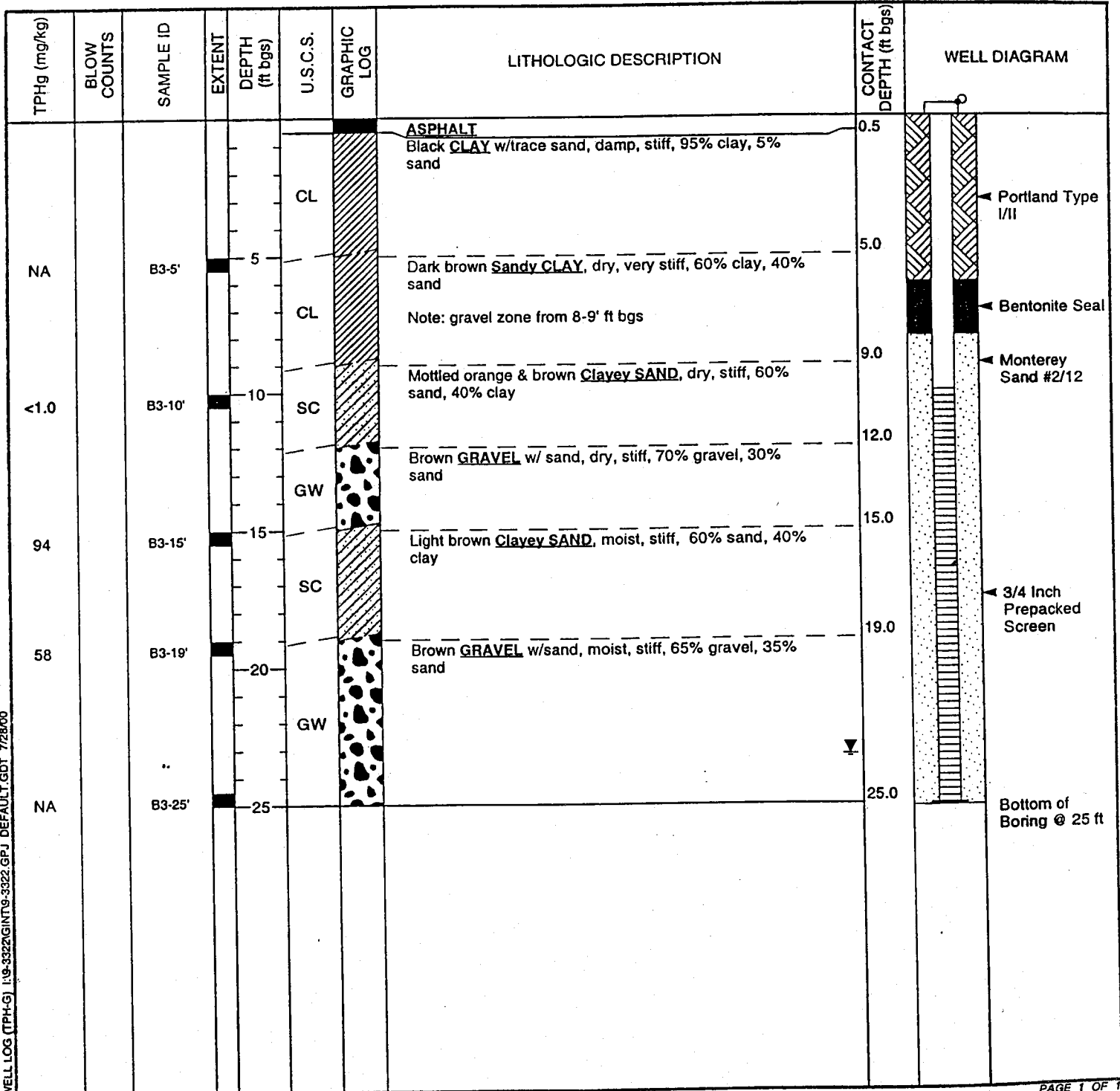
DRILLING COMPANY: *Bay Area Exploration Inc.*

GEOLOGIST: *Barbara Sieminski*



# BORING/WELL LOG

CLIENT NAME	Chevron Products Company	BORING/WELL NAME	B3/MW-7
JOB/SITE NAME	9-3322	DRILLING STARTED	03-Jul-00
LOCATION	7225 Bancroft Ave, Oakland, CA	DRILLING COMPLETED	03-Jul-00
PROJECT NUMBER	31A-1806	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vironex	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3"	SCREENED INTERVAL	10 to 25 ft bgs
LOGGED BY	Albert Simmons	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	Bob Foss	DEPTH TO WATER (Static)	23.20 ft (05-Jul-00)
REMARKS	Hand augered to five feet bgs		



# Gettler-Ryan, Inc.

# Log of Boring MW-8

PROJECT: <i>Former Chevron Service Station No. 9-3322</i>	LOCATION: <i>7225 Bancroft Avenue, Oakland, California</i>
GR PROJECT NO.: <i>DG93322G.ACT1</i>	CASING ELEVATION: <i>37.21 ft. (MSL)</i>
DATE STARTED: <i>03/13/02</i>	WL (ft. bgs):      DATE:      TIME:
DATE FINISHED: <i>03/13/02</i>	WL (ft. bgs): <i>12.50</i> DATE: <i>03/13/02</i> TIME: <i>12:10</i>
DRILLING METHOD: <i>8 in. HSA - Limited Access Rig</i>	TOTAL DEPTH: <i>30 feet</i>
DRILLING COMPANY: <i>Gregg Drilling, Inc.</i>	GEOLOGIST: <i>Tony Mikacich</i>

DEPTH (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	WELL DIAGRAM
5	-	MW-8-6.5	█		CL	CLAY WITH SAND (CL) - brown (10YR 5/3), moist; 80% clay, 20% fine sand, abundant iron oxidation, black organic matter.	
10	-	MW-8-11.5	█		CL	SANDY CLAY (CL) - brown (10YR 5/3), moist; 60% clay, 40% medium sand, trace fine gravels.	
15	-	MW-8-16.5	█		CL	CLAY WITH SAND (CL) - brown (10YR 5/3), moist; 80% clay, 20% fine sand, trace iron oxidation, trace gray nodules.	
20	-	MW-8-21.5	█		GC	CLAYEY GRAVEL WITH SAND (GC) - brown (10YR 5/3), wet; 60% fine to medium gravel, 20% clay, 20% medium sand, faint hydrocarbon odor.	
25	-	MW-8-26.5	█		SP	POORLY GRADED SAND (SP) - brown (10YR 5/3), wet; 90% fine to medium sand, 5% fine gravel, 5% silt.	
30	-	MW-8-30	█		GC	CLAYEY GRAVEL WITH SAND (GC) - brown (10YR 5/3), wet; 60% fine to medium gravel, 20% clay, 20% medium sand, hydrocarbon odor.	
30	-					Color changes to light olive brown (2.5Y 5/6). Bottom of boring at 30 feet bgs.	



# Gettler-Ryan, Inc.

# Log of Boring MW-9

PROJECT: Former Chevron Service Station No. 9-3322

LOCATION: 7225 Bancroft Avenue, Oakland, California

GR PROJECT NO.: DG93322G.4CT1

CASING ELEVATION: 35.03 ft. (MSL)

DATE STARTED: 03/15/02

WL (ft. bgs): DATE: TIME:

DATE FINISHED: 03/15/02

WL (ft. bgs): 11.65 DATE: 03/15/02 TIME: 15:10

DRILLING METHOD: 8 in. HSA - Limited Access Rig

TOTAL DEPTH: 30 feet

DRILLING COMPANY: Gregg Drilling, Inc.

GEOLOGIST: Tony Mikacich

DEPTH (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	WELL DIAGRAM
0						Asphalt - 2 inches thick. Concrete - 6 inches thick.	
5	2	MW-9-6.5			CL	CLAY WITH SAND (CL) - black (7.5YR 2/0), moist; 80% clay, 20% fine to medium sand.  Color changes to brown (10YR 5/3).	
10	14	MW-9-11.5				Includes trace fine gravels.	
15	6	MW-9-16.5			SC	CLAYEY SAND (SC) - brown (10YR 5/3), very moist; 70% fine to medium sand, 30% clay, trace fine gravels.	
20	8	MW-9-21.5				Color changes to light olive brown (2.5Y 5/6).	
25	6	MW-9-26.5			GP-GC	POORLY GRADED GRAVEL WITH SAND AND CLAY (GP-GC) - olive brown (10YR 5/3), wet; 60% subrounded fine gravel, 30% medium sand, 10% clay.	
30	12	MW-9-30				Bottom of boring at 30 feet bgs.	
35							

# Gettler-Ryan, Inc.

# Log of Boring MW-10

PROJECT: Former Chevron Service Station No. 9-3322

LOCATION: 7225 Bancroft Avenue, Oakland, California

GR PROJECT NO.: DG933226.4CT1

CASING ELEVATION: 35.53 ft. (MSL)

DATE STARTED: 03/15/02

WL (ft. bgs): DATE: TIME:

DATE FINISHED: 03/15/02

WL (ft. bgs): 12.60 DATE: 03/15/02 TIME: 15:10

DRILLING METHOD: 8 in. HSA - Limited Access Rig

TOTAL DEPTH: 30 feet

DRILLING COMPANY: Gregg Drilling, Inc.

GEOLOGIST: Tony Mikacich

DEPTH (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	WELL DIAGRAM
0					CL	Concrete - 3 inches thick.	
5					CL	SANDY CLAY (CL) - dark brown (10YR 3/3), moist; 70% clay, 30% fine to medium sand, trace fine to medium gravels.	
4		MW-10-6.5				Color changes to brown (10YR 5/3); includes trace iron oxidation.	
8		MW-10-11.5			SC	CLAYEY SAND (SC) - light olive brown (2.5Y 5/4), moist; 60% fine to medium sand, 40% clay, trace fine gravels.	
15		MW-10-16.5			CL	SANDY CLAY (CL) - light olive brown (2.5Y 5/4), wet; 70% clay, 30% fine to medium sand, trace fine gravels, trace iron oxidation, black organic matter.	
20		MW-10-21.5			GC	CLAYEY GRAVEL WITH SAND (GC) - olive (5Y 5/3), wet; 50% subrounded fine gravel, 30% fine to medium sand, 20% clay.	
25					GP-GC	POORLY GRADED GRAVEL WITH SAND AND CLAY (GP-GC) - olive (5Y 5/3), wet; 50% subrounded fine gravel, 40% fine to medium sand, 10% clay.	
28		MW-10-30				Bottom of boring at 30 feet bgs.	
30							
35							

# BORING/WELL LOG

Cambria Environmental Technology, Inc.  
 1144 - 65th St.  
 Oakland, CA 94608  
 Telephone: (510) 420-0700  
 Fax: (510) 420-9170



CLIENT NAME Chevron Products Company  
 JOB/SITE NAME 9-3322  
 LOCATION 7225 Bancroft Ave, Oakland, CA  
 PROJECT NUMBER 31A-1806  
 DRILLER Vironex  
 DRILLING METHOD Hydraulic push  
 BORING DIAMETER 2"  
 LOGGED BY Albert Simmons  
 REVIEWED BY Bob Foss  
 REMARKS Hand augered to five feet bgs

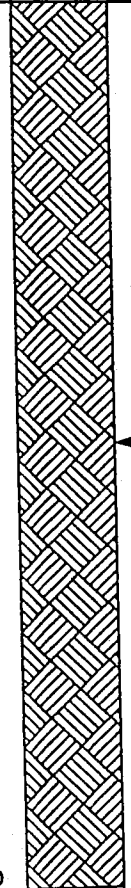
BORING/WELL NAME B1  
 DRILLING STARTED 03-Jul-00  
 DRILLING COMPLETED 03-Jul-00  
 WELL DEVELOPMENT DATE (YIELD) NA  
 GROUND SURFACE ELEVATION Not Surveyed  
 TOP OF CASING ELEVATION NA  
 SCREENED INTERVAL NA  
 DEPTH TO WATER (First Encountered) ▽  
 DEPTH TO WATER (Static) NA ▽

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
NA		B1-5'		5	CL		ASPHALT Black CLAY w/trace sand, damp, stiff, 95% clay, 5% sand	0.5	
					CL		Brown Sandy CLAY, dry, very stiff, 80% clay, 20% sand	5.0	
					CL		Brown Sandy CLAY w/gravels, dry, stiff, 60% clay, 30% sand, 10% gravels	8.0	
<1.0		B1-10'		10	CL				
					CL				
NA		B1-15'		15	GC		Olive Clayey GRAVEL w/ sand, damp to moist, soft, 35% gravel, 30% clay, 20% sand	15.0	
<1.0		B1-17.5'		17.5	CL		Light brown Sandy CLAY, moist, very stiff, 60% clay, 40% sand	18.0	
				20	CL				
								24.0	Bottom of Boring @ 24 ft

WELL LOG (TPH-G) I:9-3322/GINT9-3322.GPJ DEFAULT.GDT 7/28/00

# BORING/WELL LOG

CLIENT NAME	Chevron Products Company	BORING/WELL NAME	B2
JOB/SITE NAME	9-3322	DRILLING STARTED	03-Jul-00
LOCATION	7225 Bancroft Ave, Oakland, CA	DRILLING COMPLETED	03-Jul-00
PROJECT NUMBER	31A-1806	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vironex	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	2"	SCREENED INTERVAL	NA
LOGGED BY	Albert Simmons	DEPTH TO WATER (First Encountered)	NA 
REVIEWED BY	Bob Foss	DEPTH TO WATER (Static)	NA 
REMARKS	Hand augered to five feet bgs		


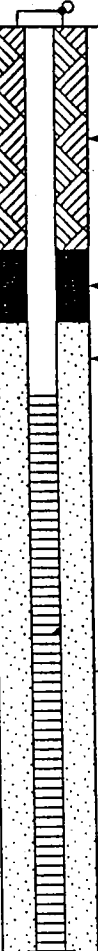








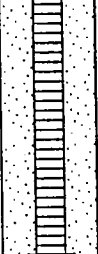
TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							<b>CONCRETE</b> Black <b>CLAY</b> w/trace sand, damp, stiff, 95% clay, 5% sand	0.5	
<1.0		B2-5'		5	CL		Dark brown <b>Sandy CLAY</b> , dry, very stiff, 60% clay, 40% sand	5.0	
<1.0		B2-10'		10	CL		Dark brown <b>Clayey GRAVEL</b> w/sand, dry, stiff, 45% gravel, 35% clay, 20% sand	11.0	
NA		B2-15'		15	GC		Olive <b>Sandy GRAVEL</b> w/clay, moist, stiff, 50% gravel, 30% sand, 20% clay	16.0	
140		B2-18'		20	GC		Olive <b>Clayey GRAVEL</b> w/sand, moist, stiff, 50% gravel, 30% clay, 20% sand	20.0	
					GC			24.0	Bottom of Boring @ 24 ft

WELL LOG (TPH-G) I:\9-3322\GINT\9-3322.GPJ DEFAULT.GDT 7/28/00



# BORING/WELL LOG

CLIENT NAME	Chevron Products Company	BORING/WELL NAME	B3/MW-7
JOB/SITE NAME	9-3322	DRILLING STARTED	03-Jul-00
LOCATION	7225 Bancroft Ave, Oakland, CA	DRILLING COMPLETED	03-Jul-00
PROJECT NUMBER	31A-1806	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vironex	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3"	SCREENED INTERVAL	10 to 25 ft bgs
LOGGED BY	Albert Simmons	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	Bob Foss	DEPTH TO WATER (Static)	23.20 ft (05-Jul-00)
REMARKS	Hand augered to five feet bgs		

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
NA		B3-5'		5	CL		<b>ASPHALT</b> Black <b>CLAY</b> w/trace sand, damp, stiff, 95% clay, 5% sand	0.5	 Portland Type I/II
					CL		Dark brown <b>Sandy CLAY</b> , dry, very stiff, 60% clay, 40% sand  Note: gravel zone from 8-9' ft bgs	5.0	 Bentonite Seal
<1.0		B3-10'		10	SC		Mottled orange & brown <b>Clayey SAND</b> , dry, stiff, 60% sand, 40% clay	9.0	 Monterey Sand #2/12
					GW		Brown <b>GRAVEL</b> w/ sand, dry, stiff, 70% gravel, 30% sand	12.0	
94		B3-15'		15	SC		Light brown <b>Clayey SAND</b> , moist, stiff, 60% sand, 40% clay	15.0	
58		B3-19'		20	GW		Brown <b>GRAVEL</b> w/sand, moist, stiff, 65% gravel, 35% sand	19.0	 3/4 Inch Prepacked Screen
NA		B3-25'		25				25.0	 Bottom of Boring @ 25 ft

WELL LOG (TPH-G) I:\9-3322\GINT9-3322.GPJ DEFAULT.GDT 7/28/00



Cambria Environmental Technology, Inc.  
 1144 - 65th St.  
 Oakland, CA 94608  
 Telephone: (510) 420-0700  
 Fax: (510) 420-9170

# BORING/WELL LOG

CLIENT NAME	Chevron Products Company	BORING/WELL NAME	SB4
JOB/SITE NAME	9-3322	DRILLING STARTED	25-Sep-00
LOCATION	7225 Bancroft Ave, Oakland, CA	DRILLING COMPLETED	25-Sep-00
PROJECT NUMBER	31A-1806	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	V&W Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	1.5"	SCREENED INTERVAL	NA
LOGGED BY	Albert Simmons	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	Bob Foss	DEPTH TO WATER (Static)	24.50ft (25-Sep-00)
REMARKS	Hand augered to five fbg		

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM	
							<b>ASPHALT</b> Dark brown <b>CLAY</b> with trace sand, damp, stiff, 95% clay, 5% sand	0.5		
		SB4-3'			CL					
		SB4-5'		5	CL		Dark brown <b>Sandy CLAY</b> , dry, stiff, 60% clay, 40% sand	5.0		
					CL					
		SB4-10'		10	CL		Light brown mottled with greenish grey <b>Sandy CLAY</b> , dry, very stiff, 70% clay, 30% sand	9.0		
					GC		Brown with mottled greenish grey <b>Clayey GRAVEL</b> with sand, dry, stiff, 45% gravel, 35% sand, 20% clay	12.0		
							Light brown <b>Sandy CLAY</b> , dry, stiff, 60% clay, 40% sand	13.5		← Portland Type I/II
		SB4-15'		15	CL		@ 15' Color changes to olive brown; moisture content increases to damp			
		SB4-18'					Olive brown <b>Sandy CLAY</b> , moist, stiff, 60% clay, 40% sand	17.0		
		SB4-20'		20	CL					
		SB4-24'		25	SC		Light brown <b>Clayey SAND</b> , wet, soft, 60% sand, 40% clay	23.0		
								25.0	Bottom of Boring @ 25 ft	

WELL LOG (TPH-G) I:9-3322-1(GINT)9-3322.GPJ DEFAULT.GDT 9/29/00



Cambria Environmental Technology, Inc.  
 1144 - 65th St.  
 Oakland, CA 94608  
 Telephone: (510) 420-0700  
 Fax: (510) 420-9170

# BORING/WELL LOG

CLIENT NAME	Chevron Products Company	BORING/WELL NAME	SB5
JOB/SITE NAME	9-3322	DRILLING STARTED	25-Sep-00
LOCATION	7225 Bancroft Ave, Oakland, CA	DRILLING COMPLETED	25-Sep-00
PROJECT NUMBER	31A-1806	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	V&W Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	1.5"	SCREENED INTERVAL	NA
LOGGED BY	Albert Simmons	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	Bob Foss	DEPTH TO WATER (Static)	17.50ft (25-Sep-00)
REMARKS	Hand augered to five fbg		

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
				0.5			<b>ASPHALT</b> Black <b>CLAY</b> with trace sand, damp, stiff, 95% clay, 5% sand	0.5	
		SB5-3'			CL				
		SB5-5'		5	CL		Light brown <b>Sandy CLAY</b> , dry, very stiff, 60% clay, 40% sand @ 5' Color changes to dark brown	4.0	
								6.0	
		SB5-10'		10	CL		Light brown <b>Sandy CLAY</b> , dry, very stiff, 60% clay, 40% sand	9.0	
								11.0	
		SB5-16'		15	CL		Olive brown mottled with greenish grey <b>Sandy CLAY</b> with gravel, moist, stiff, 55% clay, 30% sand, 15% gravel	14.0	
								16.0	
		SB5-20'		20	GC		Olive <b>Clayey GRAVEL</b> with sand, wet, soft, 50% gravels, 35% sand, 15% clay	16.0	
								21.0	
		SB5-24'		25	SC		Olive <b>Clayey SAND</b> saturated, soft, 70% sand, 30% clay	23.0	
								25.0	Bottom of Boring @ 25 ft

WELL LOG (TPH-G) 1:9-3322-1GINTD-3322 GPJ DEFAULT.GDT 9/29/00



Cambria Environmental Technology, Inc.  
 1144 - 65th St.  
 Oakland, CA 94608  
 Telephone: (510) 420-0700  
 Fax: (510) 420-9170

# BORING/WELL LOG

CLIENT NAME	<u>Chevron Products Company</u>	BORING/WELL NAME	<u>SB6</u>
JOB/SITE NAME	<u>9-3322</u>	DRILLING STARTED	<u>25-Sep-00</u>
LOCATION	<u>7225 Bancroft Ave, Oakland, CA</u>	DRILLING COMPLETED	<u>25-Sep-00</u>
PROJECT NUMBER	<u>31A-1806</u>	WELL DEVELOPMENT DATE (YIELD)	<u>NA</u>
DRILLER	<u>V&amp;W Drilling</u>	GROUND SURFACE ELEVATION	<u>Not Surveyed</u>
DRILLING METHOD	<u>Hydraulic push</u>	TOP OF CASING ELEVATION	<u>Not Surveyed</u>
BORING DIAMETER	<u>1.5"</u>	SCREENED INTERVAL	<u>NA</u>
LOGGED BY	<u>Albert Simmons</u>	DEPTH TO WATER (First Encountered)	<u>NA</u>
REVIEWED BY	<u>Bob Foss</u>	DEPTH TO WATER (Static)	<u>NA</u>
REMARKS	<u>Hand augered to five fbg</u>		

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
		SB6-3'			CL		<b>ASPHALT</b> Black <b>CLAY</b> with trace sand, dry, stiff, 95% clay, 5% sand	0.5	
		SB6-5'		5	CL		Brown <b>Sandy CLAY</b> , dry, stiff, 60% clay, 40% sand	6.0 7.0	
		SB6-10'		10	CL		Brown <b>Sandy CLAY</b> , dry, stiff, 60% clay, 40% sand	10.0 12.0	
				15	GC		Brown <b>Clayey GRAVEL</b> with sand, moist, stiff, 45% gravel, 35% sand, 20% clay	15.0	
				20	SC		Olive <b>Clayey SAND</b> , moist, stiff, 70% sand, 30% clay @ 21' Color changes to light brown	19.0	
		SB6-23'			CL		Light brown <b>Sandy CLAY</b> , moist-wet, medium stiff, 60% clay, 40 % sand	23.0	
				25				25.0	

WELL LOG (TPH-G) I:\9-3322-1\GINT\9-3322.GPJ DEFAULT.GDT 9/29/00





GHD Services Inc.  
 2300 Clayton Road Suite 920  
 Concord, CA 94520  
 Telephone: 925-849-1000  
 Fax: 925-849-1040

# BORING / WELL LOG

<b>CLIENT NAME</b>	<u>Chevron Environmental Management Company</u>	<b>BORING/WELL NAME</b>	<u>SB-7</u>
<b>JOB/SITE NAME</b>	<u>93322</u>	<b>DRILLING STARTED</b>	<u>17-Feb-16</u>
<b>LOCATION</b>	<u>7225 Bancroft Avenue Oakland, Ca</u>	<b>DRILLING COMPLETED</b>	<u>17-Feb-16</u>
<b>PROJECT NUMBER</b>	<u>311806</u>	<b>WELL DEVELOPMENT DATE (YIELD)</b>	<u>NA</u>
<b>DRILLER</b>	<u>Vapor Tech Servies C-57, #916085</u>	<b>GROUND SURFACE ELEVATION</b>	<u>NA</u>
<b>DRILLING METHOD</b>	<u>Direct push</u>	<b>TOP OF CASING ELEVATION</b>	<u>NA</u>
<b>BORING DIAMETER</b>	<u>2.5</u>	<b>SCREENED INTERVALS</b>	<u>NA</u>
<b>LOGGED BY</b>	<u>Belew Yifru</u>	<b>DEPTH TO WATER (First Encountered)</b>	<u>23.50 fbg</u>
<b>REVIEWED BY</b>	<u>Nathan Lee</u>	<b>DEPTH TO WATER (Static)</b>	<u>NA</u>
<b>REMARKS</b>	<u>Hand augered to 8 fbg</u>		

WELL LOG (PID) \\SFO-S1\SHARED\CHEVRON\3118--\311806 9-3322 OAKLAND\311806-BORING LOGS\9-3322.GPJ DEFAULT.GDT 1/4/16

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							<b>ASPHALT</b>	0.5	
							<b>FILL</b>	1.5	
							<b>CLAY:</b> Dark gray; moist; medium plasticity.		
23.4		SB-7-3			CL				
30.9		SB-7-5		5			<b>SILT:</b> Light brown; moist; low plasticity.	5.0	
							@ 9 fbg: color changes to greenish brown		
31.7		SB-7-10		10	ML				
175.3		SB-7-15		15			<b>Gravelly SILT</b> Greenish brown; moist; no plasticity.	15.0	
					ML				
							<b>Sandy SILT</b> Olive green; moist; no plasticity.	19.0	
				20					

Continued Next Page



GHD Services Inc.  
 2300 Clayton Road Suite 920  
 Concord, CA 94520  
 Telephone: 925-849-1000  
 Fax: 925-849-1040

# BORING / WELL LOG

<b>CLIENT NAME</b>	<u>Chevron Environmental Management Company</u>	<b>BORING/WELL NAME</b>	<u>SB-7</u>
<b>JOB/SITE NAME</b>	<u>93322</u>	<b>DRILLING STARTED</b>	<u>17-Feb-16</u>
<b>LOCATION</b>	<u>7225 Bancroft Avenue Oakland, Ca</u>	<b>DRILLING COMPLETED</b>	<u>17-Feb-16</u>

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
7.2		SB-7- 20		ML				
						Gravelly SILT Light brown; wet; no plasticity.	23.5	
5.5		SB-7- 25	25	ML				
						Sandy SILT Light brown; wet; no plasticity.	27.0	
						Gravelly SILT Light brown; wet; no plasticity.	28.0	
0.6		SB-7- 30	30	ML			30.0	Bottom of Boring @ 30 fbg

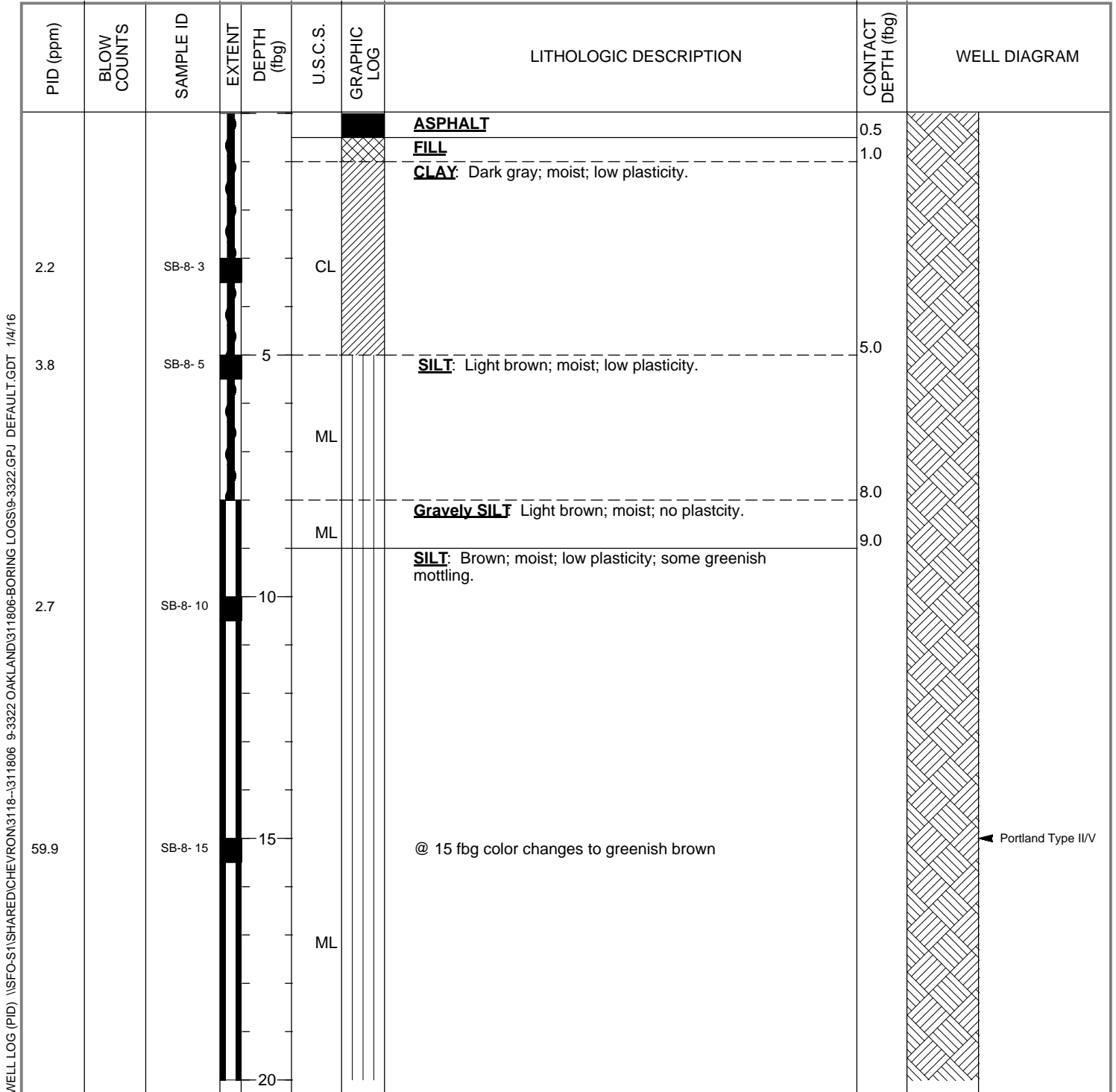
WELL LOG (PID) \\SFO-S1\SHARED\CHEVRON\3118--\311806 9-3322 OAKLAND\311806-BORING LOGS\9-3322.GPJ DEFAULT.GDT 1/4/16



GHD Services Inc.  
 2300 Clayton Road Suite 920  
 Concord, CA 94520  
 Telephone: 925-849-1000  
 Fax: 925-849-1040

# BORING / WELL LOG

<b>CLIENT NAME</b>	<u>Chevron Environmental Management Company</u>	<b>BORING/WELL NAME</b>	<u>SB-8</u>
<b>JOB/SITE NAME</b>	<u>93322</u>	<b>DRILLING STARTED</b>	<u>17-Feb-16</u>
<b>LOCATION</b>	<u>7225 Bancroft Avenue Oakland, Ca</u>	<b>DRILLING COMPLETED</b>	<u>17-Feb-16</u>
<b>PROJECT NUMBER</b>	<u>311806</u>	<b>WELL DEVELOPMENT DATE (YIELD)</b>	<u>NA</u>
<b>DRILLER</b>	<u>Vapor Tech Servies C-57, #916085</u>	<b>GROUND SURFACE ELEVATION</b>	<u>NA</u>
<b>DRILLING METHOD</b>	<u>Direct push</u>	<b>TOP OF CASING ELEVATION</b>	<u>NA</u>
<b>BORING DIAMETER</b>	<u>2.5</u>	<b>SCREENED INTERVALS</b>	<u>NA</u>
<b>LOGGED BY</b>	<u>Belew Yifru</u>	<b>DEPTH TO WATER (First Encountered)</b>	<u>25.00 fbg</u> ▽
<b>REVIEWED BY</b>	<u>Nathan Lee</u>	<b>DEPTH TO WATER (Static)</b>	<u>NA</u> ▽
<b>REMARKS</b>	<u>Hand augered to 8 fbg</u>		



Continued Next Page



GHD Services Inc.  
 2300 Clayton Road Suite 920  
 Concord, CA 94520  
 Telephone: 925-849-1000  
 Fax: 925-849-1040

# BORING / WELL LOG

<b>CLIENT NAME</b>	<u>Chevron Environmental Management Company</u>	<b>BORING/WELL NAME</b>	<u>SB-8</u>
<b>JOB/SITE NAME</b>	<u>93322</u>	<b>DRILLING STARTED</b>	<u>17-Feb-16</u>
<b>LOCATION</b>	<u>7225 Bancroft Avenue Oakland, Ca</u>	<b>DRILLING COMPLETED</b>	<u>17-Feb-16</u>

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
35.4		SB-8-20						
337.8		SB-8-25	25	ML		<u>Sandy SILT in grave</u> : Greenish brown; wet; no plasticity.	25.0	
0.9		SB-8-30	30	SM		<u>Silty Sand</u> : Brown; wet; fine sand.	29.0	
							30.0	
								Bottom of Boring @ 30 fbg

WELL LOG (PID) \\SFO-S1\SHARED\CHEVRON\3118--\311806 9-3322 OAKLAND\311806-BORING LOGS\9-3322.GPJ DEFAULT.GDT 1/4/16





GHD Services Inc.  
 2300 Clayton Road Suite 920  
 Concord, CA 94520  
 Telephone: 925-849-1000  
 Fax: 925-849-1040

# BORING / WELL LOG

<b>CLIENT NAME</b>	<u>Chevron Environmental Management Company</u>	<b>BORING/WELL NAME</b>	<u>SB-9</u>
<b>JOB/SITE NAME</b>	<u>93322</u>	<b>DRILLING STARTED</b>	<u>16-Feb-16</u>
<b>LOCATION</b>	<u>7225 Bancroft Avenue Oakland, Ca</u>	<b>DRILLING COMPLETED</b>	<u>16-Feb-16</u>
<b>PROJECT NUMBER</b>	<u>311806</u>	<b>WELL DEVELOPMENT DATE (YIELD)</b>	<u>NA</u>
<b>DRILLER</b>	<u>Vapor Tech Servies C-57, #916085</u>	<b>GROUND SURFACE ELEVATION</b>	<u>NA</u>
<b>DRILLING METHOD</b>	<u>Direct push</u>	<b>TOP OF CASING ELEVATION</b>	<u>NA</u>
<b>BORING DIAMETER</b>	<u>2.5</u>	<b>SCREENED INTERVALS</b>	<u>NA</u>
<b>LOGGED BY</b>	<u>Belew Yifru</u>	<b>DEPTH TO WATER (First Encountered)</b>	<u>22.00 fbg</u>
<b>REVIEWED BY</b>	<u>Nathan Lee</u>	<b>DEPTH TO WATER (Static)</b>	<u>NA</u>
<b>REMARKS</b>	<u>Hand augered to 8 fbg</u>		

WELL LOG (PID) \\SFO-S1\SHARED\CHEVRON\3118-1\311806 9-3322 OAKLAND\311806-BORING LOGS\9-3322.GPJ DEFAULT.GDT 1/4/16

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
427.7		SB-9-3		CL		<b>CONCRETE</b> <b>CLAY:</b> Dark gray; moist; medium plasticity.	0.5	
35		SB-9-5	5			<b>CLAY with Sand:</b> Brown; moist; low plasticity.	5.0	
89		SB-9-10	10	CL				
564		SB-9-15	15	GC		@ 14 fbg color changes to greenish gray. <b>Clayey GRAVEL with Sand:</b> Greenish gray; moist.	15.0	
			20				20.0	

Continued Next Page



GHD Services Inc.  
 2300 Clayton Road Suite 920  
 Concord, CA 94520  
 Telephone: 925-849-1000  
 Fax: 925-849-1040

# BORING / WELL LOG

<b>CLIENT NAME</b>	<u>Chevron Environmental Management Company</u>	<b>BORING/WELL NAME</b>	<u>SB-9</u>
<b>JOB/SITE NAME</b>	<u>93322</u>	<b>DRILLING STARTED</b>	<u>16-Feb-16</u>
<b>LOCATION</b>	<u>7225 Bancroft Avenue Oakland, Ca</u>	<b>DRILLING COMPLETED</b>	<u>16-Feb-16</u>

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
65.5		SB-9- 20						
558.2		SB-9- 25	25	GC		@ 22 fbg wet.		
270.8		SB-9- 30	30				30.0	Bottom of Boring @ 30 fbg

WELL LOG (PID) \\SFO-S1\SHARED\CHEVRON\3118--\311806 9-3322 OAKLAND\311806-BORING LOGS\9-3322.GPJ DEFAULT.GDT 1/4/16



GHD Services Inc.  
 2300 Clayton Road Suite 920  
 Concord, CA 94520  
 Telephone: 925-849-1000  
 Fax: 925-849-1040

# BORING / WELL LOG

<b>CLIENT NAME</b>	Chevron Environmental Management Company	<b>BORING/WELL NAME</b>	SB-10
<b>JOB/SITE NAME</b>	93322	<b>DRILLING STARTED</b>	18-Feb-16
<b>LOCATION</b>	7225 Bancroft Avenue Oakland, Ca	<b>DRILLING COMPLETED</b>	18-Feb-16
<b>PROJECT NUMBER</b>	311806	<b>WELL DEVELOPMENT DATE (YIELD)</b>	NA
<b>DRILLER</b>	Vapor Tech Servies C-57, #916085	<b>GROUND SURFACE ELEVATION</b>	NA
<b>DRILLING METHOD</b>	Direct push	<b>TOP OF CASING ELEVATION</b>	NA
<b>BORING DIAMETER</b>	2.5	<b>SCREENED INTERVALS</b>	NA
<b>LOGGED BY</b>	Belew Yifru	<b>DEPTH TO WATER (First Encountered)</b>	26.50 fbg
<b>REVIEWED BY</b>	Nathan Lee	<b>DEPTH TO WATER (Static)</b>	NA
<b>REMARKS</b>	Hand augered to 8 fbg		

WELL LOG (PID) \\SFO-S1\SHARED\CHEVRON\3118-311806 9-3322 OAKLAND\311806-BORING LOGS\9-3322.GPJ DEFAULT.GDT 1/4/16

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							<b>ASPHALT</b>	0.5	
							<b>FILL</b>	1.0	
							<b>CLAY:</b> Dark gray; moist; low plasticity.		
34.3		SB-10-3			CL				
				5					
41.5		SB-10-5					<b>SILT:</b> Greenish brown; moist; low plasticity.	5.5	
							@ 7 fbg color change to light brown.		
				10			@ 10 fbg color change to greenish brown.		
18.2		SB-10-10			ML				
				15					
12.2		SB-10-15							
							<b>Gravelly SILT:</b> Greenish brown; moist; no plasticity.	18.0	
					ML				
				20				20.0	

Continued Next Page



GHD Services Inc.  
 2300 Clayton Road Suite 920  
 Concord, CA 94520  
 Telephone: 925-849-1000  
 Fax: 925-849-1040

# BORING / WELL LOG

<b>CLIENT NAME</b>	<u>Chevron Environmental Management Company</u>	<b>BORING/WELL NAME</b>	<u>SB-10</u>
<b>JOB/SITE NAME</b>	<u>93322</u>	<b>DRILLING STARTED</b>	<u>18-Feb-16</u>
<b>LOCATION</b>	<u>7225 Bancroft Avenue Oakland, Ca</u>	<b>DRILLING COMPLETED</b>	<u>18-Feb-16</u>

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
55.1		SB-10 -20		ML				
						<u>Silty GRAVEL with Sand</u> Olive green; moist.	22.0	
1.6		SB-10 -25	25	GM		@ 26.5 fbg wet.		
						@ 28 fbg color changes to brown.		
1.9		SB-10 -30	30				30.0	Bottom of Boring @ 30 fbg

WELL LOG (PID) \\SFO-S1\SHARED\CHEVRON\3118--\311806 9-3322 OAKLAND\311806-BORING LOGS\9-3322.GPJ DEFAULT.GDT 1/4/16

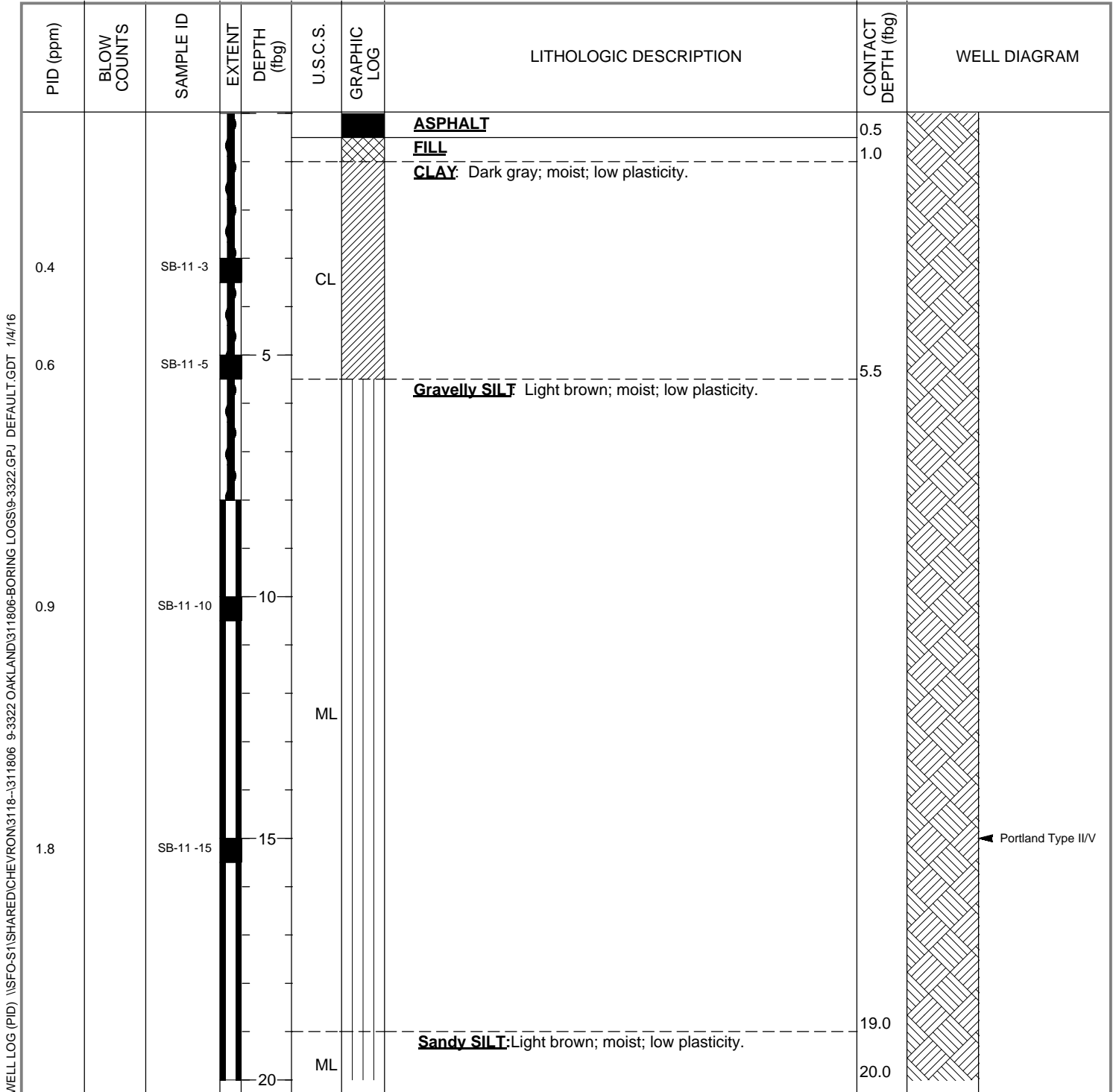




GHD Services Inc.  
 2300 Clayton Road Suite 920  
 Concord, CA 94520  
 Telephone: 925-849-1000  
 Fax: 925-849-1040

# BORING / WELL LOG

<b>CLIENT NAME</b>	<u>Chevron Environmental Management Company</u>	<b>BORING/WELL NAME</b>	<u>SB-11</u>
<b>JOB/SITE NAME</b>	<u>93322</u>	<b>DRILLING STARTED</b>	<u>18-Feb-16</u>
<b>LOCATION</b>	<u>7225 Bancroft Avenue Oakland, Ca</u>	<b>DRILLING COMPLETED</b>	<u>18-Feb-16</u>
<b>PROJECT NUMBER</b>	<u>311806</u>	<b>WELL DEVELOPMENT DATE (YIELD)</b>	<u>NA</u>
<b>DRILLER</b>	<u>Vapor Tech Servies C-57, #916085</u>	<b>GROUND SURFACE ELEVATION</b>	<u>NA</u>
<b>DRILLING METHOD</b>	<u>Direct push</u>	<b>TOP OF CASING ELEVATION</b>	<u>NA</u>
<b>BORING DIAMETER</b>	<u>2.5</u>	<b>SCREENED INTERVALS</b>	<u>NA</u>
<b>LOGGED BY</b>	<u>Belew Yifru</u>	<b>DEPTH TO WATER (First Encountered)</b>	<u>NA</u>
<b>REVIEWED BY</b>	<u>Nathan Lee</u>	<b>DEPTH TO WATER (Static)</b>	<u>NA</u>
<b>REMARKS</b>	<u>Hand augered to 8 fbg</u>		



Continued Next Page



GHD Services Inc.  
 2300 Clayton Road Suite 920  
 Concord, CA 94520  
 Telephone: 925-849-1000  
 Fax: 925-849-1040

# BORING / WELL LOG

<b>CLIENT NAME</b>	<u>Chevron Environmental Management Company</u>	<b>BORING/WELL NAME</b>	<u>SB-11</u>
<b>JOB/SITE NAME</b>	<u>93322</u>	<b>DRILLING STARTED</b>	<u>18-Feb-16</u>
<b>LOCATION</b>	<u>7225 Bancroft Avenue Oakland, Ca</u>	<b>DRILLING COMPLETED</b>	<u>18-Feb-16</u>

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
4.9		SB-11 -20		ML				
0.9		SB-11 -25	25	GM		<b>Silty GRAVEL with Sand</b> :Light brown; moist	24.5	
0.5		SB-11 -30	30				30.0	
								Bottom of Boring @ 30 fbg

WELL LOG (PID) \\SFO-S1\SHARED\CHEVRON\3118--\311806 9-3322 OAKLAND\311806-BORING LOGS\9-3322.GPJ DEFAULT.GDT 1/4/16



GHD Services Inc.  
 2300 Clayton Road Suite 920  
 Concord, CA 94520  
 Telephone: 925-849-1000  
 Fax: 925-849-1040

# BORING / WELL LOG

<b>CLIENT NAME</b>	<u>Chevron Environmental Management Company</u>	<b>BORING/WELL NAME</b>	<u>SB-12</u>
<b>JOB/SITE NAME</b>	<u>93322</u>	<b>DRILLING STARTED</b>	<u>16-Feb-16</u>
<b>LOCATION</b>	<u>7225 Bancroft Avenue Oakland, Ca</u>	<b>DRILLING COMPLETED</b>	<u>16-Feb-16</u>
<b>PROJECT NUMBER</b>	<u>311806</u>	<b>WELL DEVELOPMENT DATE (YIELD)</b>	<u>NA</u>
<b>DRILLER</b>	<u>Vapor Tech Servies C-57, #916085</u>	<b>GROUND SURFACE ELEVATION</b>	<u>NA</u>
<b>DRILLING METHOD</b>	<u>Direct push</u>	<b>TOP OF CASING ELEVATION</b>	<u>NA</u>
<b>BORING DIAMETER</b>	<u>2.5</u>	<b>SCREENED INTERVALS</b>	<u>NA</u>
<b>LOGGED BY</b>	<u>Belew Yifru</u>	<b>DEPTH TO WATER (First Encountered)</b>	<u>22.00 fbg</u>
<b>REVIEWED BY</b>	<u>Nathan Lee</u>	<b>DEPTH TO WATER (Static)</b>	<u>NA</u>
<b>REMARKS</b>	<u>Hand augered to 8 fbg</u>		

WELL LOG (PID) \\SFO-S1\SHARED\CHEVRON\3118-1\311806 9-3322 OAKLAND\311806-BORING LOGS\9-3322.GPJ DEFAULT.GDT 1/4/16

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							<b>ASPHALT</b>	0.5	
							<b>CLAY:</b> Dark gray; moist; medium plasticity.		
5.8		SB-12-3			CL				
5.2		SB-12-5		5	CL		<b>CLAY with Sand</b> Brown; moist; low plasticity.	5.0	
							<b>CLAY:</b> Brown; moist; high plasticity	9.0	
11.0		SB-12-10		10	CL		<b>CLAY with Sand:</b> Brown; moist; medium plasticity	12.0	
							@ 14 fbg color changes to greenish gray.		
63.6		SB-12-15		15	ML		<b>Gravelly SILT with Sand</b> Greenish gray; moist; low plasticity.	15.0	
				20					

Continued Next Page



GHD Services Inc.  
 2300 Clayton Road Suite 920  
 Concord, CA 94520  
 Telephone: 925-849-1000  
 Fax: 925-849-1040

# BORING / WELL LOG

<b>CLIENT NAME</b>	<u>Chevron Environmental Management Company</u>	<b>BORING/WELL NAME</b>	<u>SB-12</u>
<b>JOB/SITE NAME</b>	<u>93322</u>	<b>DRILLING STARTED</b>	<u>16-Feb-16</u>
<b>LOCATION</b>	<u>7225 Bancroft Avenue Oakland, Ca</u>	<b>DRILLING COMPLETED</b>	<u>16-Feb-16</u>

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
93.4		SB-12 -20						
503.4		SB-12 -25	25	SM		<u>Silty SAND</u> : Greenish gray; wet; no plasticity.	22.0	
415.6		SB-12 -30	30				30.0	Bottom of Boring @ 30 fbg

WELL LOG (PID) \\SFO-S1\SHARED\CHEVRON\3118--\311806 9-3322 OAKLAND\311806-BORING LOGS\9-3322.GPJ DEFAULT.GDT 1/4/16





GHD Services Inc.  
 2300 Clayton Road Suite 920  
 Concord, CA 94520  
 Telephone: 925-849-1000  
 Fax: 925-849-1040

# BORING / WELL LOG

<b>CLIENT NAME</b>	Chevron Environmental Management Company	<b>BORING/WELL NAME</b>	SB-13
<b>JOB/SITE NAME</b>	93322	<b>DRILLING STARTED</b>	17-Feb-16
<b>LOCATION</b>	7225 Bancroft Avenue Oakland, Ca	<b>DRILLING COMPLETED</b>	17-Feb-16
<b>PROJECT NUMBER</b>	311806	<b>WELL DEVELOPMENT DATE (YIELD)</b>	NA
<b>DRILLER</b>	Vapor Tech Servies C-57, #916085	<b>GROUND SURFACE ELEVATION</b>	NA
<b>DRILLING METHOD</b>	Direct push	<b>TOP OF CASING ELEVATION</b>	NA
<b>BORING DIAMETER</b>	2.5	<b>SCREENED INTERVALS</b>	NA
<b>LOGGED BY</b>	Belew Yifru	<b>DEPTH TO WATER (First Encountered)</b>	NA
<b>REVIEWED BY</b>	Nathan Lee	<b>DEPTH TO WATER (Static)</b>	NA
<b>REMARKS</b>	Hand augered to 8 fbg		

WELL LOG (PID) \\SFO-S1\SHARED\CHEVRON\3118-1\311806 9-3322 OAKLAND\311806-BORING LOGS\9-3322.GPJ DEFAULT.GDT 1/4/16

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							<b>ASPHALT</b>	0.5	
							<b>FILL</b>	1.0	
							<b>CLAY:</b> Dark gray; moist; medium plasticity.		
6.8		SB-13-3			CL				
7.9		SB-13-5		5					
							<b>SILT:</b> Light brown; moist; low plasticity.	6.0	
4.2		SB-13-10		10	ML				
							<b>Gravelly SILT</b> Light brown; moist; no plasticity.	12.0	
					ML		@ 13 fbg greenish mottling.		
166.9		SB-13-15		15	CL		<b>CLAY:</b> Light brown; moist; no plasticity.	14.0	
							<b>Gravelly SILT</b> Light brown; moist; no plasticity	16.0	
					ML				
				20					

Continued Next Page



GHD Services Inc.  
 2300 Clayton Road Suite 920  
 Concord, CA 94520  
 Telephone: 925-849-1000  
 Fax: 925-849-1040

# BORING / WELL LOG

<b>CLIENT NAME</b>	<u>Chevron Environmental Management Company</u>	<b>BORING/WELL NAME</b>	<u>SB-13</u>
<b>JOB/SITE NAME</b>	<u>93322</u>	<b>DRILLING STARTED</b>	<u>17-Feb-16</u>
<b>LOCATION</b>	<u>7225 Bancroft Avenue Oakland, Ca</u>	<b>DRILLING COMPLETED</b>	<u>17-Feb-16</u>

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
3137		SB-13 -20				<u>Sandy SILT with gravel</u> Light brown; moist; no plasticity.	21.0	
3721		SB-13 -25	25	ML		@ 28 fbg greenish mottling.		
1869		SB-13 -30	30				30.0	
								Bottom of Boring @ 30 fbg

WELL LOG (PID) \\SFO-S1\SHARED\CHEVRON\3118--\311806 9-3322 OAKLAND\311806-BORING LOGS\9-3322.GPJ DEFAULT.GDT 1/4/16



Cambria Environmental Technology, Inc.  
 5900 Hollis Street, Suite A  
 Emeryville, CA 94608  
 Telephone: 510-420-0700  
 Fax: 510-420-9170

# BORING / WELL LOG

<b>CLIENT NAME</b>	Chevron Products Company	<b>BORING/WELL NAME</b>	VP-1
<b>JOB/SITE NAME</b>	9-3322	<b>DRILLING STARTED</b>	17-Mar-05
<b>LOCATION</b>	7225 Bancroft Avenue, Oakland, CA	<b>DRILLING COMPLETED</b>	17-Mar-05
<b>PROJECT NUMBER</b>	31H-1806	<b>WELL DEVELOPMENT DATE (YIELD)</b>	NA
<b>DRILLER</b>	Gregg Drilling	<b>GROUND SURFACE ELEVATION</b>	NA
<b>DRILLING METHOD</b>	Hand Augered	<b>TOP OF CASING ELEVATION</b>	NA
<b>BORING DIAMETER</b>	6"	<b>SCREENED INTERVALS</b>	NA
<b>LOGGED BY</b>	Charlotte Evans	<b>DEPTH TO WATER (First Encountered)</b>	NA
<b>REVIEWED BY</b>	B. Foss, RG# 7445	<b>DEPTH TO WATER (Static)</b>	NA
<b>REMARKS</b>	Water not encountered.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.5	<p>Portland Type I/II</p> <p>Monterey Sand #2/12</p> <p>Portland Type I/II</p> <p>Monterey Sand #2/12</p> <p>Portland Type I/II</p> <p>Monterey Sand #2/12</p> <p>Bottom of Boring @ 10.25 fbg</p>
					ML		<b>Clayey SILT with sand:</b> Dark brown; dry; stiff; 50% silt, 45% clay, 5% sand; moderate plasticity; low estimated permeability.		
				5					
					ML		<b>Clayey SILT with sand:</b> Dark brown; dry; stiff; 60% silt, 35% clay, 5% sand; moderate plasticity; low estimated permeability.	6.5	
					ML		<b>Clayey SILT with sand:</b> Brown; dry; stiff; 70% silt, 20% clay, 10% sand; low plasticity; moderate estimated permeability.	7.0	
					ML		<b>Clayey SILT with sand:</b> Brown; dry; stiff; 70% silt, 20% clay, 10% sand; low plasticity; moderate estimated permeability.	8.0	
					ML		<b>Sandy SILT with gravel:</b> Brown-orange; dry; stiff; 70% silt, 25% sand, 5% gravel; low plasticity; moderate to high estimated permeability.	9.0	
					ML		<b>Clayey SILT with sand:</b> Brown-orange with black mottling; dry; very stiff; 65% silt, 30% clay, 5% sand; moderate plasticity; low estimated permeability.	10.3	
				10					

WELL LOG (PID) I:\CHEVRON\3118--\311806-1\311806-3\GINTY9-3322 VAPOR PROBES.GPJ DEFAULT.GDT 1/21/09



Cambria Environmental Technology, Inc.  
 5900 Hollis Street, Suite A  
 Emeryville, CA 94608  
 Telephone: 510-420-0700  
 Fax: 510-420-9170

# BORING / WELL LOG

<b>CLIENT NAME</b>	Chevron Products Company	<b>BORING/WELL NAME</b>	VP-2
<b>JOB/SITE NAME</b>	9-3322	<b>DRILLING STARTED</b>	17-Mar-05
<b>LOCATION</b>	7225 Bancroft Avenue, Oakland, CA	<b>DRILLING COMPLETED</b>	17-Mar-05
<b>PROJECT NUMBER</b>	31H-1806	<b>WELL DEVELOPMENT DATE (YIELD)</b>	NA
<b>DRILLER</b>	Gregg Drilling	<b>GROUND SURFACE ELEVATION</b>	NA
<b>DRILLING METHOD</b>	Hand Augered	<b>TOP OF CASING ELEVATION</b>	NA
<b>BORING DIAMETER</b>	6"	<b>SCREENED INTERVALS</b>	NA
<b>LOGGED BY</b>	Charlotte Evans	<b>DEPTH TO WATER (First Encountered)</b>	NA
<b>REVIEWED BY</b>	B. Foss, RG# 7445	<b>DEPTH TO WATER (Static)</b>	NA
<b>REMARKS</b>	Water not encountered.		

WELL LOG (PID) I:\CHEVRON\3118-311806-3\GINT\9-3322 VAPOR PROBES.GPJ DEFAULT.GDT 1/21/09

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Concrete	1.0	
					ML		<b>CLAY SILT with sand and gravel:</b> Dark brown; damp; moderately soft; 40% clay, 40% silt, 10% sand, 10% gravel; moderate plasticity; moderate estimated permeability.	2.5	
					GC		<b>CLAYEY GRAVEL with silt:</b> Grey brown; wet; 45% clay, 45% gravel, 10% silt; low plasticity; high estimated permeability.	3.0	
					CL		<b>Silty CLAY with sand:</b> Dark brown; damp; stiff; 60% clay, 35% silt, 10% sand; moderate plasticity; moderate estimated permeability.	5.0	
					CL		<b>Silty CLAY with sand:</b> Brown; damp; stiff; 60% clay, 35% silt, 10% sand; moderate plasticity; moderate estimated permeability.	6.0	
					CL		<b>Sandy SILT with clay and gravel:</b> Brown-orange; damp; very stiff; 65% silt, 20% sand, 10% clay, 5% gravel; low plasticity; high estimated permeability.	9.0	
								11.5	
									Bottom of Boring @ 11.5 fbg





Cambria Environmental Technology, Inc.  
 5900 Hollis Street, Suite A  
 Emeryville, CA 94608  
 Telephone: 510-420-0700  
 Fax: 510-420-9170

# BORING / WELL LOG

<b>CLIENT NAME</b>	Chevron Products Company	<b>BORING/WELL NAME</b>	VP-3
<b>JOB/SITE NAME</b>	9-3322	<b>DRILLING STARTED</b>	17-Mar-05
<b>LOCATION</b>	7225 Bancroft Avenue, Oakland, CA	<b>DRILLING COMPLETED</b>	17-Mar-05
<b>PROJECT NUMBER</b>	31H-1806	<b>WELL DEVELOPMENT DATE (YIELD)</b>	NA
<b>DRILLER</b>	Gregg Drilling	<b>GROUND SURFACE ELEVATION</b>	NA
<b>DRILLING METHOD</b>	Hand Augered	<b>TOP OF CASING ELEVATION</b>	NA
<b>BORING DIAMETER</b>	6"	<b>SCREENED INTERVALS</b>	NA
<b>LOGGED BY</b>	Charlotte Evans	<b>DEPTH TO WATER (First Encountered)</b>	NA
<b>REVIEWED BY</b>	B. Foss, RG# 7445	<b>DEPTH TO WATER (Static)</b>	NA
<b>REMARKS</b>	Water not encountered.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Concrete	1.0	
					ML		<b>Clayey SILT with gravel:</b> Dark brown; dry; stiff; 55% silt, 40% clay, 5% gravel; moderate plasticity; moderate estimated permeability.		
				5	ML		<b>CLAY SILT:</b> Dark brown; dry; 50% clay, 50% silt; moderate plasticity; low estimated permeability.	5.0	
					ML		<b>Clayey SILT with sand:</b> Brown; dry; stiff; 55% silt, 40% clay, 5% sand; moderate plasticity; low estimated permeability.	6.0	
					ML		<b>Clayey SILT with gravel and sand:</b> Brown-orange; dry; stiff; 55% silt, 30% clay, 10% gravel and 5% sand; low moderate estimated permeability.	7.0	
					ML		<b>Clayey SILT with sand and gravel:</b> Brown-orange; dry; stiff; 60% silt, 20% clay, 15% sand, 5% gravel; low plasticity; moderate estimated permeability.	8.0	
					ML		<b>Clayey SILT with sand and gravel:</b> Brown-orange; dry; stiff; 50% silt, 30% clay, 15% sand, 5% gravel; low plasticity; moderate estimated permeability.	9.0	
				10	ML				
								11.5	
									Bottom of Boring @ 11.5 fbg

WELL LOG (PID) I:\CHEVRON\3118--311806--31GINT\9-3322 VAPOR PROBES.GPJ DEFAULT.GDT 1/21/09



Cambria Environmental Technology, Inc.  
 5900 Hollis Street, Suite A  
 Emeryville, CA 94608  
 Telephone: 510-420-0700  
 Fax: 510-420-9170

# BORING / WELL LOG

<b>CLIENT NAME</b>	Chevron Products Company	<b>BORING/WELL NAME</b>	VP-4
<b>JOB/SITE NAME</b>	9-3322	<b>DRILLING STARTED</b>	16-Mar-05
<b>LOCATION</b>	7225 Bancroft Avenue, Oakland, CA	<b>DRILLING COMPLETED</b>	16-Mar-05
<b>PROJECT NUMBER</b>	31H-1806	<b>WELL DEVELOPMENT DATE (YIELD)</b>	NA
<b>DRILLER</b>	Gregg Drilling	<b>GROUND SURFACE ELEVATION</b>	NA
<b>DRILLING METHOD</b>	Hand Augered	<b>TOP OF CASING ELEVATION</b>	NA
<b>BORING DIAMETER</b>	6"	<b>SCREENED INTERVALS</b>	NA
<b>LOGGED BY</b>	Charlotte Evans	<b>DEPTH TO WATER (First Encountered)</b>	NA
<b>REVIEWED BY</b>	B. Foss, RG# 7445	<b>DEPTH TO WATER (Static)</b>	NA
<b>REMARKS</b>	Water not encountered.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	1.0	
					CL		<b>Silty CLAY with sand:</b> Dark brown; dry; stiff; 50% clay, 45% silt, 5% sand; high plasticity; low estimated permeability.		Portland Type I/II
				5					Monterey Sand #2/12
					ML		<b>Clayey SILT with sand:</b> Light brown; dry; stiff; 60% silt, 35% clay, 5% sand; moderate plasticity; moderate estimated permeability.	7.0	Portland Type I/II
					ML		<b>Clayey SILT with sand and gravel:</b> Brown-orange; dry; stiff; 50% silt, 35% clay, 10% sand, 5% gravel; moderate plasticity; moderate estimated permeability.	8.0	Monterey Sand #2/12
					CL		<b>Silty CLAY with sand:</b> Brown-orange; dry; stiff; 50% clay, 45% silt, 5% sand; moderate plasticity; low estimated permeability.	9.0	Portland Type I/II
				10				10.0	Monterey Sand #2/12
					ML		<b>Clayey SILT with gravel and sand:</b> Brown-orange; dry; stiff; 45% silt, 40% clay, 10% gravel, 5% sand; moderate plasticity; moderate estimated permeability.	11.5	
									Bottom of Boring @ 11.5 fbg

WELL LOG (PID) I:\CHEVRON\3118-1\311806-1\311806-3\GINT\9-3322 VAPOR PROBES.GPJ DEFAULT.GDT 1/21/09

# Appendix E

## Permits

# Alameda County Public Works Agency - Water Resources Well Permit



Public Works Agency  
—Alameda County—

399 Elmhurst Street  
Hayward, CA 94544-1395  
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 05/13/2015 By jamesy

Permit Numbers: W2015-0400  
Permits Valid from 02/16/2016 to 02/18/2016

Application Id: 1430923375274  
Site Location: 7225 Bancroft Avenue, Oakland, CA  
Project Start Date: 06/04/2015  
Assigned Inspector: Contact Lindsay Furuyama at (925) 956-2311 or Lfuruyama@groundzonees.com  
Extension Start Date: 02/16/2016  
Extension Count: 1

City of Project Site:Oakland

Completion Date:06/05/2015  
Extension End Date: 02/18/2016  
Extended By: jamesy

Applicant: GHD - Charley McLean  
2300 Clayton Road, Suite 920, Concord, CA 94520  
Property Owner: Dean Najdawi  
5 Kingswood Circle, Hillsborough, CA 94010  
Client: Chevron Environmental Management Company  
6101 Bollinger Canyon Road, San Ramon, CA 94583  
Contact: Charley McLean

Phone: 510-849-1017

Phone: --

Phone: --

Phone: --  
Cell: 225-907-5910

Total Due: \$265.00  
Receipt Number: WR2015-0236 Total Amount Paid: \$265.00  
Payer Name : Conestoga Rovers & Associates Paid By: CHECK PAID IN FULL

Associates

## Works Requesting Permits:

Borehole(s) for Investigation-Contamination Study - 8 Boreholes  
Driller: Vapor Tech Services Inc - Lic #: 916085 - Method: DP

Work Total: \$265.00

### Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2015-0400	05/13/2015	09/02/2015	8	2.00 in.	30.00 ft

### Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.
2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.
3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.
4. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities



## Alameda County Public Works Agency - Water Resources Well Permit

or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

5. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

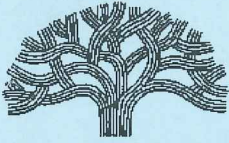
6. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.

7. NOTE:

Under California laws, the owner/operator are responsible for reporting the contamination to the governmental regulatory agencies under Section 25295(a). The owner/operator is liable for civil penalties under Section 25299(a)(4) and criminal penalties under Section 25299(d) for failure to report a leak. The owner/operator is liable for civil penalties under Section 25299(b)(4) for knowing failure to ensure compliance with the law by the operator. These penalty provisions do not apply to a potential buyer.

8. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

---



**CITY OF OAKLAND**

250 FRANK H. OGAWA PLAZA ▪ 2ND FLOOR ▪ OAKLAND, CA 94612

Planning and Building Department  
www.oaklandnet.com

PH: 510-238-3891  
FAX: 510-238-2263  
TDD: 510-238-3254

Permit No: X1501156 Excavation

Filed Date: 5/19/2015

Job Site: 7225 BANCROFT AVE

Schedule Inspection by calling [QR Code]

Parcel No: 039 330003003

**For SL; X; and CGS permits see SPECIAL NOTE below**

District:

**Project Description:** Soil boring on 73rd Ave side; see site plan. Block 50' sidewalk per approved TCP.  
No impact on vehicular traffic lane allowed without approved Traffic Control Plan.  
Contact: K. Hoey, 510 420-3347.  
Permit valid June 4, 2015

Separate Obstruction permit required to reserve/block parking lane.  
Call PWA INSPECTION prior to start: 510-238-3651. 4th FLOOR.  
Encroach onto Halliday Avenue to install two monitoring wells CHEVRON USA PROJECT FOR  
BONDS SEE F 24 recorded 1-29-02

**Related Permits:** ENMI01207

	<u>Name</u>	<u>Applicant</u>	<u>Address</u>	<u>Phone</u>	<u>License #</u>
<b>Owner:</b>	MIKE NAJDAWI & DEAN NAJDAWI			0	
<b>Contractor-</b>	VAPOR TECH SERVICES	X	2316 TRIPALDI WAY HAYWARD, CA	(415) 378-0415	916085
<b>Employee:</b>					

**PERMIT DETAILS: Building/Public Infrastructure/Excavation/NA**

**General Information**

Excavation Type: Private Party	Special Paving Detail Required:	Tree Removal Involved:
Date Street Last Resurfaced:		Holiday Restriction (Nov 1 - Jan 1):
Worker's Compensation Company Name:		Limited Operation Area (7AM-9AM) And (4PM-6PM):
Worker's Compensation Policy #:		

**Key Dates**

Approximate Start Date:  
Approximate End Date:

**TOTAL FEES TO BE PAID AT FILING: \$436.05**

Application Fee	\$71.00	Excavation - Private Party Type	\$309.00	Records Management Fee	\$36.10
Technology Enhancement Fee	\$19.95				

Plans Checked By \_\_\_\_\_ Date \_\_\_\_\_

Permit Issued By [Signature] Date 5.19

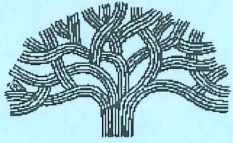
Finalized By \_\_\_\_\_ Date \_\_\_\_\_

**SPECIAL NOTE**

- For SL; X; and CGS permits Call PWA INSPECTION prior to start: 510-238-3651 or visit 4th FLOOR.
- SL and X permits valid 90 days; CGS permits valid 30 days

Permits for which no major inspection has been approved within 180 days shall expire by limitation. No refund more than 180 days after expiration or final.

**JOB SITE**



# CITY OF OAKLAND

250 FRANK H. OGAWA PLAZA ▪ 2ND FLOOR ▪ OAKLAND, CA 94612

Planning and Building Department  
www.oaklandnet.com

PH: 510-238-3891  
FAX: 510-238-2263  
TDD: 510-238-3254

Permit No: OB1500503 Obstruction

Filed Date: 5/19/2015

Job Site: 7225 BANCROFT AVE

Schedule Inspection by calling: 510-238-3444

Parcel No: 039 330003003

District:

**Project Description:** Soil boring on 73rd Ave side; see site plan. Block 50' sidewalk per approved TCP.  
No impact on vehicular traffic lane allowed without approved Traffic Control Plan.  
Contact: K. Hoey, 510 420-3347.  
Permit valid June 4, 2015  
Separate Obstruction permit required to reserve/block parking lane.  
Call PWA INSPECTION prior to start: 510-238-3651. 4th FLOOR.  
Encroach onto Halliday Avenue to install two monitoring wells CHEVRON USA PROJECT FOR BONDS SEE F 24 recorded 1-29-02

Related Permits: X1501156

	<u>Name</u>	<u>Applicant</u>	<u>Address</u>	<u>Phone</u>	<u>License #</u>
<b>Owner:</b>	MIKE NAJDAWI & DEAN NAJDAWI			0	
<b>Contractor-Employee:</b>	VAPOR TECH SERVICES	X	2316 TRIPALDI WAY HAYWARD, CA	(415) 378-0415	916085

<b>PERMIT DETAILS: Building/Public Use/Activity/Obstructions</b>			
<b>Work Information</b>			
Start Date: 06/04/2015	Obstruction Permit Type:	Short Term (Max 14 Days)	
End Date: 06/04/2015	Number of Meters (Metered Area):		
	Length Of Obstruction (Unmetered Area):	50	

<b>TOTAL FEES TO BE PAID AT FILING: \$121.06</b>			
Application Fee	\$71.00	Records Management Fee	\$10.02
Technology Enhancement Fee	\$5.54	Short Term Permits	\$34.50

Plans Checked By \_\_\_\_\_ Date \_\_\_\_\_

Permit Issued By [Signature] Date 5.19

Finalized By \_\_\_\_\_ Date \_\_\_\_\_



Permits for which no major inspection has been approved within 180 days shall expire by limitation. No refund more than 180 days after expiration or final.

FIELD COPY



# CITY OF OAKLAND

250 FRANK H. OGAWA PLAZA ▪ 2ND FLOOR ▪ OAKLAND, CA 94612

Planning and Building Department  
www.oaklandnet.com

PH: 510-238-3891  
FAX: 510-238-2263  
TDD: 510-238-3254

**Permit No:** X1600022      OPW - Excavation      **Filed Date:** 1/6/2016

**Job Site:** 7225 BANCROFT AVE      **Schedule Inspection by calling:** 510-238-3444

**Parcel No:** 039 330003003

**District:**

**Project Description:** Soil boring along 73rd avenue, for soil sample.  
Impact on traffic lane per TSD-15-0228.  
Comply with all terms, conditions and restrictions stated in the Traffic Control Plan. Any/all changes need prior written approval. Provide original Traffic Control Plan at each renewal.  
Call PWA INSPECTION prior to start: 510-238-3651. 4th FLOOR.

**Related Permits:**

	<u>Name</u>	<u>Applicant</u>	<u>Address</u>	<u>Phone</u>	<u>License #</u>
<b>Owner:</b>	7225 BANCROFT ST LP		5 KINGSWOOD CIR HILLSBOROUGH, CA		
<b>Contractor-Employee:</b>	CHARLEY AUSTIN	X	2316 TRIPALDI WAY HAYWARD, CA	(415) 378-0415	
<b>Contractor:</b>	VAPOR TECH SERVICES		2316 TRIPALDI WAY HAYWARD, CA	(415) 378-0415	916085

**PERMIT DETAILS:** Building/Public Infrastructure/Excavation/NA

**General Information**

Excavation Type: Private Party      Special Paving Detail Required:      Tree Removal Involved:

Date Street Last Resurfaced:      Holiday Restriction (Nov 1 - Jan 1):

Worker's Compensation Company Name:      Limited Operation Area (7AM-9AM) And (4PM-6PM):

Worker's Compensation Policy #:

**Key Dates**

Approximate Start Date:

Approximate End Date:

**TOTAL FEES TO BE PAID AT FILING: \$434.91**

Application Fee	\$70.00	Excavation - Private Party Type	\$309.00	Records Management Fee	\$36.01
Technology Enhancement Fee	\$19.90				

Plans Checked By \_\_\_\_\_ Date \_\_\_\_\_ Permit Issued By BG Date 1/6/16

Finalized By \_\_\_\_\_ Date \_\_\_\_\_



Permits for which no major inspection has been approved within 180 days shall expire by limitation. No refund more than 180 days after expiration or final.



# CITY OF OAKLAND

**FIELD COPY**

250 FRANK H. OGAWA PLAZA ▪ 2ND FLOOR ▪ OAKLAND, CA 94612

Planning and Building Department  
www.oaklandnet.com

PH: 510-238-3891  
FAX: 510-238-2263  
TDD: 510-238-3254

**Permit No:** OB1600022      **Obstruction**      **Filed Date:** 1/6/2016

**Job Site:** 7225 BANCROFT AVE      **Schedule Inspection by calling:** 510-238-3444

**Parcel No:** 039 330003003

**District:**

**Project Description:** Block traffic lane per approved TSD-15-0228.

Disclaimer: No building permit required for scope of work performed.

Note: disregard start/end dates shown below. They are listed only for invoicing purposes.

Actual dates (January 12, and from Feb 16th to Feb 18th) are either non-consecutive or do not include weekend(s). NO WEEKEND WORK. 4 days total.

Comply with all terms, conditions and restrictions stated in the Traffic Control Plan. Any/all changes need prior written approval. Provide original Traffic Control Plan at each renewal.

Contact: 925 ~~841~~-1017

**Related Permits:** X1600022 **849-**

	<u>Name</u>	<u>Applicant</u>	<u>Address</u>	<u>Phone</u>	<u>License #</u>
<b>Owner:</b>	7225 BANCROFT ST LP		5 KINGSWOOD CIR HILLSBOROUGH, CA		
<b>Contractor-Employee:</b>	VAPOR TECH SERVICES	X	2316 TRIPALDI WAY HAYWARD, CA	(415) 378-0415	
<b>Contractor:</b>	VAPOR TECH SERVICES		2316 TRIPALDI WAY HAYWARD, CA	(415) 378-0415	916085

**PERMIT DETAILS: Building/Public Use/Activity/Obstructions**

**Work Information**

Start Date: 01/12/2016	Obstruction Permit Type: Short Term (Max 14 Days)
End Date: 01/15/2016	Number of Meters (Metered Area):
	Length Of Obstruction (Unmetered Area): 125

**TOTAL FEES TO BE PAID AT FILING: \$470.48**

Application Fee	\$70.00	Records Management Fee	\$38.95	Short Term Permits	\$340.00
Technology Enhancement Fee	\$21.53				

Plans Checked By \_\_\_\_\_ Date \_\_\_\_\_ Permit Issued By BG Date 1/6/16

Finalized By \_\_\_\_\_ Date \_\_\_\_\_

**LEGEND**  
**C24 Shoulder Work Ahead**  
**C30A Shoulder Closed**

**NOTE:**  
 Sidewalk closed sign and barricade will be placed at Krause Ave  
 Sidewalk Closed Please Use Other Side

Halliday Ave

Traffic Speed	Taper Length Each Lane	Cone Spacing	Sign Spacing			
MPH	Merging	Shifting	Shoulder	Taper	Tangent	Spacing
25 MPH	125 FT	63 FT	42 FT	25 FT	50 FT	150 FT
30 MPH	180 FT	90 FT	60 FT	30 FT	60 FT	200 FT
35 MPH	245 FT	123 FT	82 FT	35 FT	70 FT	250 FT
40 MPH	320 FT	160 FT	107 FT	40 FT	80 FT	350 FT
45 MPH	340 FT	270 FT	180 FT	45 FT	90 FT	550 FT
50 MPH	600 FT	300 FT	200 FT	50 FT	100 FT	600 FT
65 + MPH	660 FT	330 FT	220 FT	50 FT	100 FT	1000 FT

**Staging Area**  
 7225 Bancroft Ave Oakland Ca

**Work Hours**  
 \_\_\_\_\_ am to \_\_\_\_\_ pm  
 24 Hour Contact  
 Brandon Franceschi  
 (916) 817-7188

C30A Shoulder Closed

C24 Shoulder Work Ahead

Bancroft Ave

73rd Ave

Sidewalk Closed Please Use Other Side

Sidewalk Closed

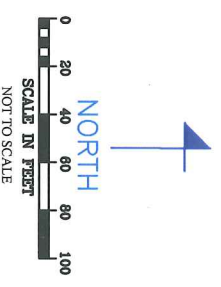
Sidewalk Closed

Sidewalk Closed Please Use Other Side

C24

**APPROVED:**  
*Mr. Joe Wang 5/14/15*  
 Transportation Services Division  
 CITY OF OAKLAND  
 238-6107

**DIRECT TRAFFIC CONTROL**  
 PO BOX 1822  
 DIAMOND SPRINGS C.A 95619  
 PHONE (530) 677-9239  
 FAX (530) 672-1185  
 MOBILE: (916) 606-7514  
 IDTTC@SBCGLOBAL.NET



**LEGEND**

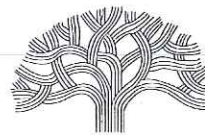
- 3/4" TELEVISION FLAG
- 3/4" CONE
- 4" SCOPES & SIGNS
- 3/4" FABRIC CONE
- ARROW BOARD
- Traffic Signal

**Conestoga-Rovers & Associates**  
 5900 Hollis Street Suite A  
 Emeryville CA 94608

**TRAFFIC CONTROL SITE MAP**

MPH	TL	S.S	B.S
DRAWN BY	DATE	PROJECT NUMBER	
B.FRANCESCHI	04/26/2015	311806	

# CITY OF OAKLAN



PUBLIC WORKS DEPARTMENT • 250 FRANK H. OGAWA PLAZA • SUITE 4344 • OAKLAND, CALIFORNIA 94612-2033

Transportation Services Division

OFFICE: (510) 238-3467  
 FAX: (510) 238-7415  
 TDD: (510) 839-6451

**Walk-in**  
**Customer No.**  
 From: Jwatson  
 Date: 12/16/2015  
 Re: Traffic Engineering Analysis Fee

OPW Receipt #: \_\_\_\_\_

Permit Application #	Utility Co. Job #	Work Location	Contractor Name	Charge To Credit Card #	No. of Hours
walk-in	15-0228	73rd / Bancroft Ave	GHD		1
<b>Total Hours</b>					1
<b>Permit Review Fee (\$/hour)</b>					\$169.00
<b>Total</b>					\$169.00

Cost Center No.	W045
Organization No.	30265
Account No.	45119
Fund No.	2415
Project No.	A167560

APPROVED BY: \_\_\_\_\_  
 Joe Wang

Date: \_\_\_\_\_



APPLICATION FOR TRAFFIC CONTROL PLAN

\$169

Transportation Services Fee: ~~\$400~~/hour  
(Check or Money Order Only)



City of Oakland

Public Works Agency  
Transportation Services Division

DEC - 4 2015

- Check the box that apply:
- New Application (Utility, Excavation)
  - Renewal Application *change of date*
  - New Development w/ Mgmt Plan
  - City of Oakland Project

Please Read the Following Statements Below:

1. Processing time for a Traffic Control Application is a **minimum of 10 business days**.
2. Traffic Control review is scheduled **only on Tuesdays and Thursdays from 8:30am thru 11:30am by appointment only**.
3. A scheduled **appointment** by phone or email with a TSD staff member is necessary to discuss any and all traffic control application and plans.
4. Please **call ahead** to confirm that the traffic control application is ready for pickup @ 510-238-3467.
5. Businesses and residences adjacent to the work area must be provided **72 hour advance notice**.
6. A **completed** traffic control application may be faxed to (510) 238-7415.
7. **Incomplete** traffic control applications will not be processed and returned to applicant immediately.
8. The initial approval for a traffic control plan is 1 month, the renewal submittal may be approved up to 3 months.
9. The traffic control provision dates cannot be changed or extended if work has already commenced.
10. After receiving TSD approval of the traffic control application, contractor shall proceed to the Permit Center to "Obstruction obtain an obstruction permit."

Contact Person: Charley McLean Phone: (925) 849-1017  
 Name of Company: GHD Services Inc. Fax: \_\_\_\_\_  
 Address of Company: 2300 Clayton Rd, Suite 920, Concord, CA 94520  
 Describe type of work to be performed: Soil boring in street

Location of work: 73rd Ave. Between Holladay Ave And Bancroft Ave  
 Work date (s): 1/12/16; 2/16/16 - 2/18/16  Mon-Fri  Sat-Sun Work Hours: 8 AM to 3 PM

Please Follow these Steps in Order to Complete a Traffic Control Plan:

- A. Drawing Area: The full width of all streets adjacent to the site **MUST** be included in the drawing. Include the entire block in which your work is located for every street that is adjacent to your site.
- B. Include Street Names, Direction of Traffic on the Street, and North Arrow
- C. Show Existing Number of Lanes in all Directions (with any pavement arrows)
- D. Check the Box(s) that Apply: All checked items MUST be shown on the drawing

<input checked="" type="checkbox"/> Lane Closure	<input type="checkbox"/> Use of Median	<input type="checkbox"/> Sidewalk Closure
<input type="checkbox"/> Street Closures (must provide detour plan)	<input type="checkbox"/> Use Parking Lane	<input type="checkbox"/> (must provide pedestrian walk way)
- E. Show All Dimensions of street widths (curb to curb), lane widths, sidewalk widths, and work area dimension.  
(Note: Traffic Control Application / Plans missing the above information will not be accepted or processed.)
- F. Show the Name and Locations of all advanced warning devices, flaggers, delineators, warning and construction signs to be used.

*email:*  
*charley.mcleand@ghd.com*

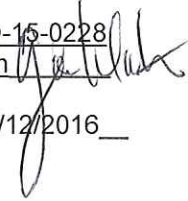
**RENEWAL PROCESS:** Resubmit a completed Traffic Control Application with the old approved plan (with the necessary modifications / changes to the plans).

**FOR HELP** in preparing a traffic control plan, see Temporary Traffic Control Pocket Reference Guide 2007, Work Area Traffic Control Handbook 2006, or the California Manual on Uniform Traffic Control (MUTCD) 2003, Chapter 6.  
[http://www.dot.ca.gov/hq/traffops/signtech/mutcdsupp/ca\\_mutcd.htm](http://www.dot.ca.gov/hq/traffops/signtech/mutcdsupp/ca_mutcd.htm)  
 For City website: <http://www.oaklandpw.com/Page548.aspx>

\* Name the streets that are the boundaries of your work area.



**SPECIAL PROVISION 7-10.1 TRAFFIC REQUIREMENTS**

Project Name:  
 Project Number: TSD-15-0228  
 Reviewed By: J.watson   
 Date: 12/17/2015  
 Permit good from 1/12/2016  
 to 2/18/2016

ADD NEW SUBSECTION TO READ:  
SP 7-10.1.4 Vehicular Traffic

Attention is directed to Section 7-10. Public Convenience and Safety, of the City of Oakland Standard Specification for Public Works Construction, 2006 Edition (Include this paragraph for p-jobs, excavation permits or obstruction permits).

The Contractor shall conduct its work in such a manner as to provide public convenience and safety and according to the provisions in this subsection. The provisions shall not be modified or altered without written approval from the Engineer.

Standard traffic control devices shall be placed at the construction zone according to the latest edition of the Work Area Traffic Control Handbook or Manual on Uniform Traffic Control Devices (MUTCD), Chapter 6 – “Traffic Controls for Construction and Maintenance Work Zone,” or as directed by the Engineer.

All trenches and excavations in any public street or roadway shall be back filled and opened to traffic, or covered with suitable steel plates securely placed and opened to traffic at all times except during actual construction operations unless otherwise permitted by the Engineer.

Each section of work shall be completed or temporarily paved and open to traffic in not more than 5 days after commencing work unless otherwise permitted in writing by the Engineer.  
 at all times for pedestrian use. Pedestrian barricades, shelter, and detour signs per Caltrans standards may be required.

Where construction encroaches into the sidewalk area, a minimum of 5 ½ feet of unobstructed sidewalk shall be maintained. The contractor shall conduct its operation in such a manner as to leave the following traffic lanes unobstructed and in a condition satisfactory for vehicular travel during the Obstruction Period. At all times traffic lanes will be restricted and reopened to travel. Emergency access shall be provided at all times.

Street Name Limits	Obstruction Period	North Bound	South Bound	East Bound	West Bound
73 <sup>rd</sup> Ave between Bancroft Ave and Haliday	Mon. – Sun. 9am – 4pm	N/A	Two 12' lane open minimum	N/A	N/A

**The Contractor Shall Also include all check item:**

1.  Design a construction traffic control plan and submit (2) copies to the Engineer for approval prior to starting any work.
2.  Replace all signs, pavement markings, and traffic detector loops damaged or removed due to construction within 3 days of completion of work or the final pavement lift.
3.  Provide advance notice to Oakland Police at (510) 777-3333 (24-hrs) and Oakland Fire at (510) 238-3331 (2-rhs) when a single lane of traffic or less is provided on any street.
4.  Provide 72-hour advance notice to AC Transit at (510) 891-4909 when affecting a bus stop.
5.  For Caltrans roadways, ramps, or maintained facilities, the Contractor shall obtain appropriate permits and notify the Traffic Management Center 24 hours in advance of any work.
6.  Flagger control is required. Certified Flagger is required.
7.  Pedestrian walkway by K-rail, Canopy or Plywood is required. (See detour plan)
8.  Pedestrian traffic shall be maintained and guided through the project at all times.
9.  Provide advance notice to Business and Residence within 72-hours.
10.  Allow all traffic movement at intersection.

Nothing specified herein shall prohibit emergency work and/or repair necessary to ensure public health and safety.

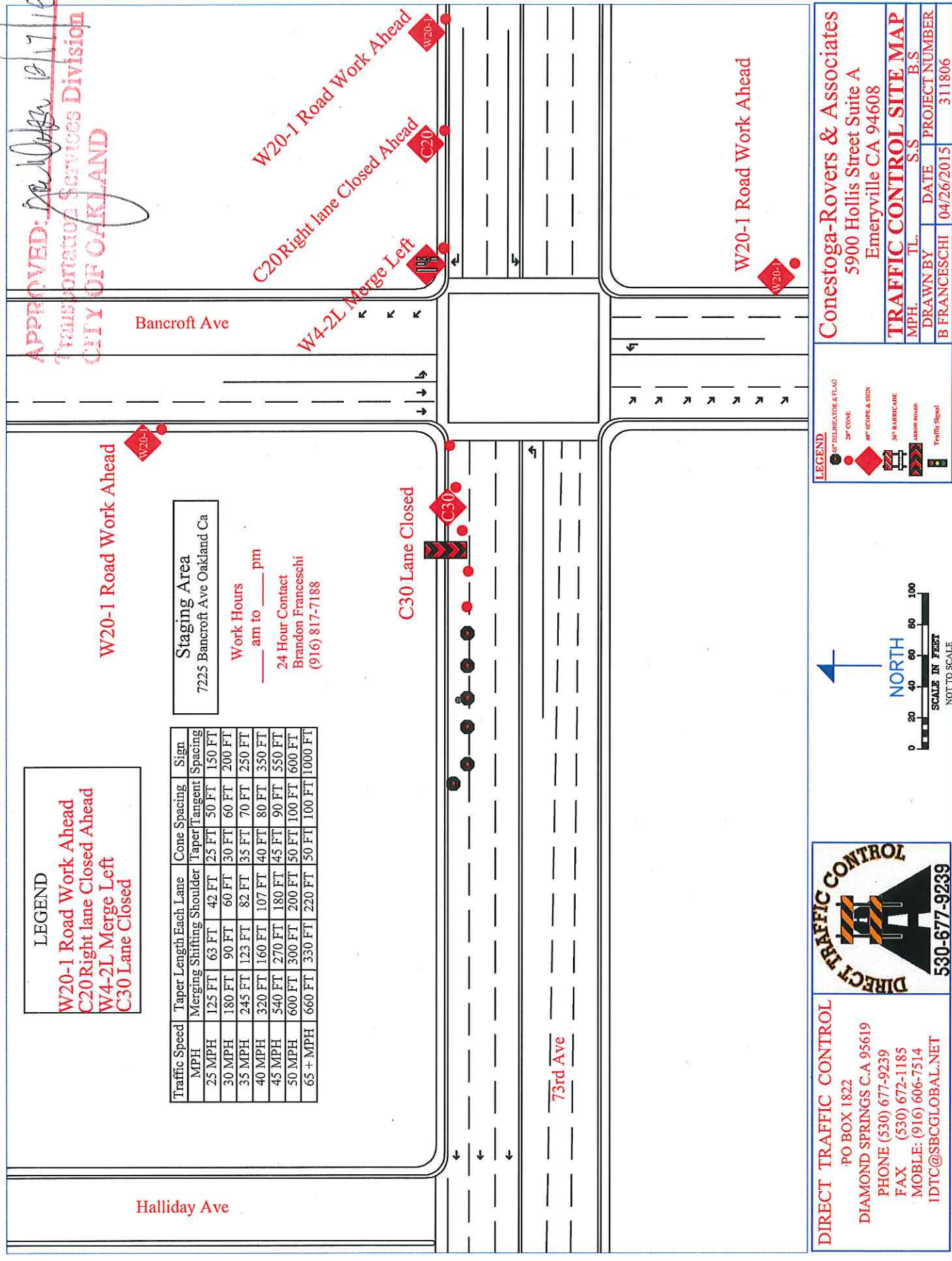
APPROVED: *[Signature]* 10/17/15  
 TRANSPORTATION SERVICES DIVISION  
 CITY OF OAKLAND

**LEGEND**  
 W20-1 Road Work Ahead  
 C20 Right lane Closed Ahead  
 W4-2L Merge Left  
 C30 Lane Closed

Traffic Speed	Taper Length	Each Lane	Cone Spacing	Sign
MPH	Merging	Shifting	Shoulder	Taper
25 MPH	125 FT	63 FT	42 FT	25 FT
30 MPH	180 FT	90 FT	60 FT	30 FT
35 MPH	245 FT	123 FT	82 FT	35 FT
40 MPH	320 FT	160 FT	107 FT	40 FT
45 MPH	540 FT	270 FT	180 FT	45 FT
50 MPH	600 FT	300 FT	200 FT	50 FT
65 + MPH	660 FT	330 FT	220 FT	50 FT

**Staging Area**  
 7225 Bancroft Ave Oakland Ca

**Work Hours**  
 \_\_\_ am to \_\_\_ pm  
 24 Hour Contact  
 Brandon Franceschi  
 (916) 817-7188



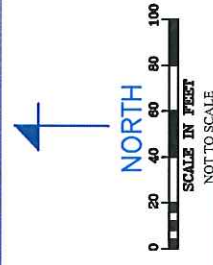
**Conestoga-Rovers & Associates**  
 5900 Hollis Street Suite A  
 Emeryville CA 94608

**TRAFFIC CONTROL SITE MAP**

MPH	TL	S.S	DATE	PROJECT NUMBER
B.S	B.S	B.S	04/26/2015	311806
DRAWN BY		PROJECT NUMBER		
B. FRANCESCHI		311806		

**LEGEND**

- 3" DELINEATOR & FLAG
- 3" CONE
- 4" SCORE & SIGN
- 3" BARRICADE
- LARGE ROAD
- Traffic Signal



**DIRECT TRAFFIC CONTROL**  
 PO BOX 1822  
 DIAMOND SPRINGS C.A 95619  
 PHONE (530) 677-9239  
 FAX (530) 672-1185  
 MOBILE: (916) 606-7514  
 IDTC@SBCGLOBAL.NET

# Appendix F

## Standard Field Procedures

# Attachment F STANDARD FIELD PROCEDURES FOR SOIL BORING AND MONITORING WELL INSTALLATION

This document presents standard field methods for drilling and sampling soil borings and installing, developing, and sampling groundwater monitoring wells. These procedures are designed to comply with Federal, State and local regulatory guidelines. Specific field procedures are summarized below.

## SOIL BORINGS

### Objectives

Soil samples are collected to characterize subsurface lithology, assess whether the soils exhibit obvious hydrocarbon or other compound vapor or staining, and to collect samples for analysis at a State-certified laboratory. All borings are logged using the ASTM D2488-06 Unified Soil Classification System by a trained geologist working under the supervision of a California Professional Geologist (PG).

### Soil Boring and Sampling

Prior to drilling, the first 8 feet of the boring are cleared using an air or water knife and vacuum extraction or hand auger. This minimizes the potential for impacting utilities. Soil borings are typically drilled using hollow-stem augers or direct-push technologies such as the Geoprobe®. Soil samples are collected at least every five ft to characterize the subsurface sediments and for possible chemical analysis. Additional soil samples are collected near the water table and at lithologic changes. Samples are collected using lined split-barrel or equivalent samplers driven into undisturbed sediments at the bottom of the borehole.

Drilling and sampling equipment is steam-cleaned prior to drilling and between borings to prevent cross-contamination. Sampling equipment is washed between samples with trisodium phosphate or an equivalent EPA-approved detergent.

### Sample Analysis

Sampling tubes chosen for analysis are trimmed of excess soil and capped with Teflon tape and plastic end caps. Soil samples are labeled and stored at or below 4° C on either crushed or dry ice, depending upon local regulations. Samples are transported under chain-of-custody to a State-certified analytic laboratory.

### Field Screening

One of the remaining tubes is partially emptied leaving about one-third of the soil in the tube. The tube is capped with plastic end caps and set aside to allow hydrocarbons to volatilize from the soil. After ten to fifteen minutes, a portable volatile vapor analyzer measures volatile hydrocarbon vapor concentrations in the tube headspace, extracting the vapor through a slit in the cap. Volatile vapor analyzer measurements are used along with the field observations, odors, stratigraphy and groundwater depth to select soil samples for analysis.

### Water Sampling

Water samples, if they are collected from the boring, are either collected using a driven Hydropunch® type sampler or are collected from the open borehole using bailers. The groundwater samples are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in



protective foam sleeves, stored on crushed ice at or below 4°C, and transported under chain-of-custody to the laboratory. Laboratory-supplied trip blanks accompany the samples and are analyzed to check for cross-contamination. An equipment blank may be analyzed if non-dedicated sampling equipment is used.

### **Grouting**

If the borings are not completed as wells, the borings are filled to the ground surface with cement grout poured or pumped through a tremie pipe.

## **MONITORING WELL INSTALLATION, DEVELOPMENT AND SAMPLING**

### **Well Construction and Surveying**

Groundwater monitoring wells are installed to monitor groundwater quality and determine the groundwater elevation, flow direction and gradient. Well depths and screen lengths are based on groundwater depth, occurrence of hydrocarbons or other compounds in the borehole, stratigraphy and State and local regulatory guidelines. Well screens typically extend 10 to 15 feet below and 5 feet above the static water level at the time of drilling. However, the well screen will generally not extend into or through a clay layer that is at least three feet thick.

Well casing and screen are flush-threaded, Schedule 40 PVC. Screen slot size varies according to the sediments screened, but slots are generally 0.010 or 0.020 inches wide. A rinsed and graded sand occupies the annular space between the boring and the well screen to about one to two feet above the well screen. A two feet thick hydrated bentonite seal separates the sand from the overlying sanitary surface seal composed of Portland type I, II cement.

Well-heads are secured by locking well-caps inside traffic-rated vaults finished flush with the ground surface. A stovepipe may be installed between the well-head and the vault cap for additional security.

The well top-of-casing elevation is surveyed with respect to mean sea level and the well is surveyed for horizontal location with respect to an onsite or nearby offsite landmark.

### **Well Development**

Wells are generally developed using a combination of groundwater surging and extraction. Surging agitates the groundwater and dislodges fine sediments from the sand pack. After about ten minutes of surging, groundwater is extracted from the well using bailing, pumping and/or reverse air-lifting through an eductor pipe to remove the sediments from the well. Surging and extraction continue until at least ten well-casing volumes of groundwater are extracted and the sediment volume in the groundwater is negligible. This process usually occurs prior to installing the sanitary surface seal to ensure sand pack stabilization. If development occurs after surface seal installation, then development occurs 24 to 72 hours after seal installation to ensure that the Portland cement has set up correctly.

All equipment is steam-cleaned prior to use and air used for air-lifting is filtered to prevent oil entrained in the compressed air from entering the well. Wells that are developed using air-lift evacuation are not sampled until at least 24 hours after they are developed.

### **Groundwater Sampling**

Depending on local regulatory guidelines, three to four well-casing volumes of groundwater are purged prior to sampling. Purging continues until groundwater pH, conductivity, and temperature have stabilized.

Groundwater samples are collected using bailers or pumps and are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4°C, and transported under chain-of-custody to the laboratory. Laboratory-supplied trip blanks accompany the samples and are analyzed to check for cross-contamination. An equipment blank may be analyzed if non-dedicated sampling equipment is used.

### **Waste Handling and Disposal**

Soil cuttings from drilling activities are usually stockpiled onsite and covered by plastic sheeting. At least three individual soil samples are collected from the stockpiles and composited at the analytic laboratory. The composite sample is analyzed for the same constituents analyzed in the borehole samples in addition to any analytes required by the receiving disposal facility. Soil cuttings are transported by licensed waste haulers and disposed in secure, licensed facilities based on the composite analytic results.

Groundwater removed during development and sampling is typically stored onsite in sealed 55-gallon drums. Each drum is labeled with the drum number, date of generation, suspected contents, generator identification and consultant contact. Upon receipt of analytic results, the water is either pumped out using a vacuum truck for transport to a licensed waste treatment/disposal facility or the individual drums are picked up and transported to the waste facility where the drum contents are removed and appropriately disposed.

# Attachment F STANDARD FIELD PROCEDURES FOR SOIL VAPOR PROBE INSTALLATION AND SAMPLING

This document presents GHD Services, Inc.'s (GHD's) standard field procedures for soil vapor probe installation and sampling. These procedures are designed to comply with Federal, State, and local regulatory guidelines. Specific field procedures are summarized below.

## **Objectives**

Soil vapor samples are collected and analyzed to assess whether vapor-phase subsurface contaminants pose a threat to human health or the environment.

## **Shallow Soil Vapor Probe Installation**

The shallow soil vapor probe method for soil vapor sampling utilizes a hand auger or drill rig to advance a boring for the installation of a soil vapor sampling probe. Soil vapor probes facilitate the collection of in-situ vapor samples. Once the boring is advanced to the final depth, #2/12 filter pack is poured through a tremie pipe to fill the bottom 6 inches of the boring. A permeable, stainless-steel probe tip is connected to ¼-inch outside diameter Teflon tubing via a push-to-connect fitting. The probe tip is then placed approximately 6 inches from the bottom of the boring and covered by 6 inches of #2/16 filter sand. A 12 inch layer of dry granular bentonite is placed on top of the filter pack. Pre-hydrated granular bentonite is then poured to fill the borehole. The tube is labeled, capped, and placed within a traditional well box finished flush to grade. Soil vapor samples will be collected no sooner than 48 hours after installation of the soil vapor probe to allow adequate time for representative soil vapors to accumulate. Soil vapor sample collection will not be scheduled until after a minimum of three consecutive precipitation-free days and irrigation onsite has ceased.

## **Purging**

At least three purge volumes of vapor are removed from the soil vapor probe prior to sampling. The purge volume is defined as the amount of air within the probe and tubing. Purging is performed using the vacuum of a dedicated Summa canister, a flow regulator set to the same flow rate used for sampling, and vacuum gauges. Immediately after purging, soil vapor samples will be collected using the appropriate size Summa canister with attached flow regulator and sediment filter.

## **Sampling Soil Vapor Probes**

Samples collected using a SUMMA™ canister will have the SUMMA™ canister connected to the sampling tube of each vapor probe. Prior to collecting soil vapor samples, the initial vacuum of the canisters is measured and recorded on the chain-of-custody. The vacuum of the SUMMA™ canister is used to draw the soil vapor through the flow controller until a negative pressure of approximately 5 inches of mercury is observed on the vacuum gauge and recorded on the chain-of-custody. The flow controllers should be set to 100-200 milliliters per minute. Field duplicates should be collected for every day of sampling and/or for every 10 samples collected.

In accordance with the Department of Toxic Substances Control (DTSC) *Advisory – Active Soil Gas Investigation* guidance document, dated April 2012, leak testing is necessary during sampling. Helium is recommended, although shaving cream is acceptable. Helium is pumped into a shroud that contains the entire sampling apparatus and the soil vapor probe well vault. A helium meter is used to quantify the percentage helium in the shroud during sampling.

Samples collected for TO-17 analysis will be collected using a TO-17 Sorbent Tubes connected to the sampling tube of each vapor probe. A 60 cc syringe will be used to draw the sample into the sorbent tubes. Field duplicates should be collected for each day of sampling and/or for every 10 samples collected.

A leak test will be performed prior to connecting the sampling equipment to the vapor tubing. The test is performed by inserting the sorbent tube into the tube holder on the syringe assembly, turning the valve into the 'off' position, pulling the plunger of the syringe. If the plunger does not move or immediately returns to the starting position, the system is leak tight and is ready for sampling.

#### **Vapor Sample Storage, Handling, and Transport**

Samples are stored and transported under chain-of-custody to a state-certified analytic laboratory. Samples should never be cooled due to the possibility of condensation within the canister.

#### **Soil Vapor Probe Destruction**

The soil vapor probes will be preserved until they are no longer needed for risk evaluation purposes. At that time, they will be destroyed by extracting the tubing, hand augering to remove the sand and bentonite, and backfilling the boring with neat cement. The boring will be patched with asphalt or concrete, as appropriate.



# Appendix G

## Laboratory Analytical Reports

## ANALYTICAL RESULTS

Prepared by:

Prepared for:

Eurofins Lancaster Laboratories Environmental  
2425 New Holland Pike  
Lancaster, PA 17601

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Report Date: March 07, 2016

**Project: 93322**

Submittal Date: 02/23/2016

Group Number: 1633818

PO Number: 0015197498

Release Number: HORNE

State of Sample Origin: CA

Client Sample Description

Lancaster Labs (LL) #

SB-9-S-3-160216 NA Soil	8253702
SB-9-S-5-160216 NA Soil	8253703
SB-9-S-10-160216 NA Soil	8253704
SB-9-S-15-160216 NA Soil	8253705
SB-9-S-20-160216 NA Soil	8253706
SB-9-S-25-160216 NA Soil	8253707
SB-9-S-29.5-160216 NA Soil	8253708
SB-12-S-3-160216 NA Soil	8253709
SB-12-S-5-160216 NA Soil	8253710
SB-12-S-10-160216 NA Soil	8253711
SB-12-S-15-160216 NA Soil	8253712
SB-12-S-20-160216 NA Soil	8253713
SB-12-S-25-160216 NA Soil	8253714
SB-12-S-29.5-160216 NA Soil	8253715
SB-13-S-3-160217 NA Soil	8253716
SB-13-S-5-160217 NA Soil	8253717
SB-13-S-10-160217 NA Soil	8253718
SB-13-S-15-160217 NA Soil	8253719
SB-13-S-20-160217 NA Soil	8253720
SB-13-S-25-160217 NA Soil	8253721
SB-13-S-29.5-160217 NA Soil	8253722
SB-7-S-3-160217 NA Soil	8253723
SB-7-S-5-160217 NA Soil	8253724
SB-7-S-10-160217 NA Soil	8253725
SB-7-S-15-160217 NA Soil	8253726
SB-7-S-20-160217 NA Soil	8253727
SB-7-S-25-160217 NA Soil	8253728
SB-7-S-29.5-160217 NA Soil	8253729
SB-8-S-3-160217 NA Soil	8253730
SB-8-S-5-160217 NA Soil	8253731
SB-8-S-10-160217 NA Soil	8253732

SB-8-S-15-160217 NA Soil	8253733
SB-8-S-20-160217 NA Soil	8253734
SB-8-S-25-160217 NA Soil	8253735
SB-8-S-29.5-160217 NA Soil	8253736
SB-11-S-3-160218 NA Soil	8253737
SB-11-S-5-160218 NA Soil	8253738
SB-11-S-10-160218 NA Soil	8253739
SB-11-S-15-160218 NA Soil	8253740
SB-11-S-20-160218 NA Soil	8253741
SB-11-S-25-160218 NA Soil	8253742
SB-11-S-29.5-160218 NA Soil	8253743
SB-10-S-3-160218 NA Soil	8253744
SB-10-S-5-160218 NA Soil	8253745
SB-10-S-10-160218 NA Soil	8253746
SB-10-S-15-160218 NA Soil	8253747
SB-10-S-20-160218 NA Soil	8253748
SB-10-S-25-160218 NA Soil	8253749
SB-10-S-29.5-160218 NA Soil	8253750

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

Electronic Copy To CRA  
Electronic Copy To Chevron

Attn: Nathan Lee  
Attn: GHD EDD

Respectfully Submitted,



Amek Carter  
Specialist

(717) 556-7252

Sample Description: SB-9-S-3-160216 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253702  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/16/2016 10:15 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB9-3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.02
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.02
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.02
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.02
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.02
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C SIM</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	0.00050 J	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.00088 J	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
<b>GC</b>	<b>Volatiles</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1	23.81

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160571AA	02/26/2016 11:07	Linda C Pape	1.02
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:12	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:12	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	3	201605640199	02/25/2016 16:12	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result



Sample Description: SB-9-S-3-160216 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253702  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/16/2016 10:15 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB9-3

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	4	201605640199	02/25/2016 16:12	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 15:43	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 15:44	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	3	201605640199	02/25/2016 15:44	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLE026	03/03/2016 22:58	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLE026	02/29/2016 09:00	Shawn J McMullen	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16056A16A	02/27/2016 14:55	Marie D Beamenderfer	23.81
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 15:45	Mitchell R Washel	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 15:46	Mitchell R Washel	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	3	201605640199	02/25/2016 15:46	Mitchell R Washel	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	4	201605640199	02/25/2016 15:47	Mitchell R Washel	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	5	201605640199	02/25/2016 15:49	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-9-S-5-160216 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253703  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/16/2016 10:20 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB9-5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.01
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.01
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.01
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.01
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.01
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C SIM</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0016	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0016	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0016	1
10725	Benzo(a)anthracene	56-55-3	0.00066 J	0.00066	0.0016	1
10725	Benzo(a)pyrene	50-32-8	0.00081 J	0.00066	0.0016	1
10725	Benzo(b)fluoranthene	205-99-2	0.00095 J	0.00066	0.0016	1
10725	Benzo(g,h,i)perylene	191-24-2	0.00068 J	0.00066	0.0016	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0016	1
10725	Chrysene	218-01-9	0.00073 J	0.00033	0.0016	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0016	1
10725	Fluoranthene	206-44-0	0.00068 J	0.00066	0.0016	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0016	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0016	1
10725	Naphthalene	91-20-3	N.D.	0.00066	0.0016	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0016	1
10725	Pyrene	129-00-0	0.00086 J	0.00066	0.0016	1
<b>GC</b>	<b>Volatiles</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1.0	25.23

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160571AA	02/26/2016 11:54	Linda C Pape	1.01
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:12	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:12	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 15:34	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-9-S-5-160216 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253703  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/16/2016 10:20 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB9-5

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLE026	03/03/2016 23:28	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLE026	02/29/2016 09:00	Shawn J McMullen	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16056A16A	02/27/2016 16:48	Marie D Beamenderfer	25.23
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 15:35	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-9-S-10-160216 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253704  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/16/2016 10:40 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB910

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>			<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.06
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.06
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.001 J	0.0005	0.005	1.06
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.06
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.06
<b>GC/MS Semivolatiles SW-846 8270C SIM</b>			<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10725	Acenaphthene	83-32-9	0.0013 J	0.00066	0.0016	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0016	1
10725	Anthracene	120-12-7	0.00081 J	0.00033	0.0016	1
10725	Benzo(a)anthracene	56-55-3	0.00098 J	0.00066	0.0016	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0016	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0016	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0016	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0016	1
10725	Chrysene	218-01-9	0.00089 J	0.00033	0.0016	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0016	1
10725	Fluoranthene	206-44-0	0.0019	0.00066	0.0016	1
10725	Fluorene	86-73-7	0.0013 J	0.00066	0.0016	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0016	1
10725	Naphthalene	91-20-3	0.015	0.00066	0.0016	1
10725	Phenanthrene	85-01-8	0.0021	0.00066	0.0016	1
10725	Pyrene	129-00-0	0.0018	0.00066	0.0016	1
<b>GC Volatiles SW-846 8015B modified</b>			<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
01725	TPH-GRO N. CA soil C6-C12	n.a.	1.2	0.5	1.0	25.59

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160571AA	02/26/2016 11:30	Linda C Pape	1.06
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:12	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:12	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 15:31	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result



Sample Description: SB-9-S-10-160216 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253704  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/16/2016 10:40 by BY

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB910

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLE026	03/03/2016 23:58	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLE026	02/29/2016 09:00	Shawn J McMullen	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16056A16A	02/27/2016 17:26	Marie D Beamenderfer	25.59
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 15:32	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-9-S-15-160216 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253705  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/16/2016 10:45 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB915

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10237	Benzene	71-43-2	N.D.	0.026	0.26	51.33
10237	Ethylbenzene	100-41-4	N.D.	0.051	0.26	51.33
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.026	0.26	51.33
10237	Toluene	108-88-3	N.D.	0.051	0.26	51.33
10237	Xylene (Total)	1330-20-7	N.D.	0.051	0.26	51.33

Reporting limits were raised due to interference from the sample matrix.

<b>GC/MS Semivolatiles SW-846 8270C SIM</b>						
CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
10725	Acenaphthene	83-32-9	0.0050	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	0.0016 J	0.00033	0.0017	1
10725	Anthracene	120-12-7	0.0050	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	0.0082	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	0.0057	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	0.0072	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	0.0028	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	0.0028	0.00066	0.0017	1
10725	Chrysene	218-01-9	0.0082	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	0.00084 J	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	0.017	0.00066	0.0017	1
10725	Fluorene	86-73-7	0.0051	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	0.0026	0.00066	0.0017	1
10725	Naphthalene	91-20-3	N.D.	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	0.025	0.00066	0.0017	1
10725	Pyrene	129-00-0	0.015	0.00066	0.0017	1

<b>GC Volatiles SW-846 8015B modified</b>						
CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
01725	TPH-GRO N. CA soil C6-C12	n.a.	80	10	21	519.21

**General Sample Comments**

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	Q160571AA	02/26/2016 14:51	Anita M Dale	51.33
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:12	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:12	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 15:28	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-9-S-15-160216 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253705  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/16/2016 10:45 by BY

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB915

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLE026	03/04/2016 00:28	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLE026	02/29/2016 09:00	Shawn J McMullen	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16056A16B	03/01/2016 01:26	Marie D Beamenderfer	519.21
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 15:28	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-9-S-20-160216 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253706  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/16/2016 10:50 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB920

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.96
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.96
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.96
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.96
10237	Xylene (Total)	1330-20-7	0.001 J	0.001	0.005	0.96
<b>GC/MS Semivolatiles SW-846 8270C SIM</b>						
10725	Acenaphthene	83-32-9	0.0033	0.00067	0.0017	1
10725	Acenaphthylene	208-96-8	0.00045 J	0.00033	0.0017	1
10725	Anthracene	120-12-7	0.0094	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	0.015	0.00067	0.0017	1
10725	Benzo(a)pyrene	50-32-8	0.0089	0.00067	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	0.012	0.00067	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	0.0029	0.00067	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	0.0043	0.00067	0.0017	1
10725	Chrysene	218-01-9	0.015	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	0.0011 J	0.00067	0.0017	1
10725	Fluoranthene	206-44-0	0.056	0.00067	0.0017	1
10725	Fluorene	86-73-7	0.0049	0.00067	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	0.0031	0.00067	0.0017	1
10725	Naphthalene	91-20-3	0.0048	0.00067	0.0017	1
10725	Phenanthrene	85-01-8	0.0086	0.00067	0.0017	1
10725	Pyrene	129-00-0	0.049	0.00067	0.0017	1
<b>GC Volatiles SW-846 8015B modified</b>						
01725	TPH-GRO N. CA soil C6-C12	n.a.	1.6	0.5	1.0	26.23

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160571AA	02/26/2016 12:16	Linda C Pape	0.96
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:12	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:12	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 15:25	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result



Sample Description: SB-9-S-20-160216 NA Soil  
 Facility# 93322 CRAW  
 7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253706  
 LL Group # 1633818  
 Account # 10880

Project Name: 93322

Collected: 02/16/2016 10:50 by BY

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB920

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLE026	03/04/2016 00:58	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLE026	02/29/2016 09:00	Shawn J McMullen	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16056A16B	02/29/2016 17:56	Marie D Beamenderfer	26.23
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 15:26	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-9-S-25-160216 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253707  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/16/2016 10:55 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB925

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10237	Benzene	71-43-2	0.14 J	0.026	0.26	51.33
10237	Ethylbenzene	100-41-4	14	0.051	0.26	51.33
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.026	0.26	51.33
10237	Toluene	108-88-3	0.76	0.051	0.26	51.33
10237	Xylene (Total)	1330-20-7	69	1.0	5.1	1026.69
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C SIM</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10725	Acenaphthene	83-32-9	0.074	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	0.014	0.00033	0.0017	1
10725	Anthracene	120-12-7	0.11	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	0.19	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	0.11	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	0.16	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	0.026	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	0.060	0.00066	0.0017	1
10725	Chrysene	218-01-9	0.16	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	0.0095	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	0.52	0.0066	0.017	10
10725	Fluorene	86-73-7	0.079	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	0.028	0.00066	0.0017	1
10725	Naphthalene	91-20-3	9.6	0.066	0.17	100
10725	Phenanthrene	85-01-8	0.52	0.0066	0.017	10
10725	Pyrene	129-00-0	0.46	0.0066	0.017	10
<b>GC</b>	<b>Volatiles</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
01725	TPH-GRO N. CA soil C6-C12	n.a.	830	39	79	1972.39

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	Q160571AA	02/26/2016 15:14	Anita M Dale	1026.69
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	R160611AA	03/01/2016 10:35	Anita M Dale	51.33
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:12	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:12	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 15:22	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-9-S-25-160216 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253707  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/16/2016 10:55 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB925

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLE026	03/04/2016 01:28	Catherine E Bachman	1
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLE026	03/07/2016 11:22	Catherine E Bachman	10
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLE026	03/07/2016 11:52	Catherine E Bachman	100
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLE026	02/29/2016 09:00	Shawn J McMullen	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16056A16B	03/01/2016 03:20	Marie D Beamenderfer	1972.39
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 15:23	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-9-S-29.5-160216 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253708  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/16/2016 11:10 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB929

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10237	Benzene	71-43-2	0.016	0.0005	0.005	1.01
10237	Ethylbenzene	100-41-4	0.15	0.001	0.005	1.01
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.004 J	0.0005	0.005	1.01
10237	Toluene	108-88-3	0.10	0.001	0.005	1.01
10237	Xylene (Total)	1330-20-7	0.59	0.050	0.25	50.1
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C SIM</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.016	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	0.0011 J	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
<b>GC</b>	<b>Volatiles</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
01725	TPH-GRO N. CA soil C6-C12	n.a.	5.2	0.5	1	24.93

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	Q160571AA	02/26/2016 14:05	Anita M Dale	50.1
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160591AA	02/28/2016 22:10	Angela D Sneeringer	1.01
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:12	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:12	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-9-S-29.5-160216 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253708  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/16/2016 11:10 by BY

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB929

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 15:11	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLE026	03/04/2016 01:58	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLE026	02/29/2016 09:00	Shawn J McMullen	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16056A16B	02/29/2016 18:34	Marie D Beamenderfer	24.93
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 15:11	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result



Sample Description: SB-12-S-3-160216 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253709  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/16/2016 12:45 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB123

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>			mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.0007 J	0.0005	0.005	1.02
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.02
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.0007 J	0.0005	0.005	1.02
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.02
10237	Xylene (Total)	1330-20-7	0.001 J	0.001	0.005	1.02
<b>GC/MS Semivolatiles SW-846 8270C SIM</b>			mg/kg	mg/kg	mg/kg	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	0.00073 J	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	0.00082 J	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0031	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	0.0010 J	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
<b>GC Volatiles SW-846 8015B modified</b>			mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	1.2	0.5	1.0	25.38

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160571AA	02/26/2016 12:39	Linda C Pape	1.02
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:15	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:15	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 15:07	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-12-S-3-160216 NA Soil  
 Facility# 93322 CRAW  
 7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253709  
 LL Group # 1633818  
 Account # 10880

Project Name: 93322

Collected: 02/16/2016 12:45 by BY

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB123

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLE026	03/04/2016 02:28	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLE026	02/29/2016 09:00	Shawn J McMullen	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16056A16B	02/29/2016 19:11	Marie D Beamenderfer	25.38
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 15:08	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-12-S-5-160216 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253710  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/16/2016 12:50 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB125

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.02
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.02
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.02
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.02
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.02
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C SIM</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	N.D.	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
<b>GC</b>	<b>Volatiles</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
01725	TPH-GRO N. CA soil C6-C12	n.a.	1	0.5	1	24.25

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160571AA	02/26/2016 13:01	Linda C Pape	1.02
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:15	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:15	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 15:03	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-12-S-5-160216 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253710  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/16/2016 12:50 by BY

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB125

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLE026	03/03/2016 21:58	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLE026	02/29/2016 09:00	Shawn J McMullen	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16056A16B	02/29/2016 19:49	Marie D Beamenderfer	24.25
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 15:04	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-12-S-10-160216 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253711  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/16/2016 13:05 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1210

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.04
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.04
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.04
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.04
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.04
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C SIM</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	N.D.	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
<b>GC</b>	<b>Volatiles</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1	24.7

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160571AA	02/26/2016 13:24	Linda C Pape	1.04
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:15	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:15	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 15:00	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result



Sample Description: SB-12-S-10-160216 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253711  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/16/2016 13:05 by BY

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1210

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLE026	03/04/2016 02:58	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLE026	02/29/2016 09:00	Shawn J McMullen	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16056A16B	02/29/2016 20:26	Marie D Beamenderfer	24.7
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 15:01	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-12-S-15-160216 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253712  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/16/2016 13:15 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1215

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.03
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.03
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.03
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.03
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.03
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C SIM</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10725	Acenaphthene	83-32-9	0.00084 J	0.00066	0.0016	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0016	1
10725	Anthracene	120-12-7	0.0026	0.00033	0.0016	1
10725	Benzo(a)anthracene	56-55-3	0.0024	0.00066	0.0016	1
10725	Benzo(a)pyrene	50-32-8	0.0013 J	0.00066	0.0016	1
10725	Benzo(b)fluoranthene	205-99-2	0.0017	0.00066	0.0016	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0016	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0016	1
10725	Chrysene	218-01-9	0.0020	0.00033	0.0016	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0016	1
10725	Fluoranthene	206-44-0	0.0069	0.00066	0.0016	1
10725	Fluorene	86-73-7	0.00094 J	0.00066	0.0016	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0016	1
10725	Naphthalene	91-20-3	0.0036	0.00066	0.0016	1
10725	Phenanthrene	85-01-8	0.0020	0.00066	0.0016	1
10725	Pyrene	129-00-0	0.0064	0.00066	0.0016	1
<b>GC</b>	<b>Volatiles</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
01725	TPH-GRO N. CA soil C6-C12	n.a.	14	1.0	2.1	51.6

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160591AA	02/28/2016 22:55	Angela D Sneeringer	1.03
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:15	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:15	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 14:57	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-12-S-15-160216 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253712  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/16/2016 13:15 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1215

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLE026	03/04/2016 03:28	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLE026	02/29/2016 09:00	Shawn J McMullen	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16056A16B	02/29/2016 23:34	Marie D Beamenderfer	51.6
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 14:58	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-12-S-20-160216 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253713  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/16/2016 13:20 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1220

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.05
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.05
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.05
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.05
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.05
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C SIM</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0016	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0016	1
10725	Anthracene	120-12-7	0.00048 J	0.00033	0.0016	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0016	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0016	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0016	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0016	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0016	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0016	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0016	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0016	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0016	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0016	1
10725	Naphthalene	91-20-3	0.0027	0.00066	0.0016	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0016	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0016	1
<b>GC</b>	<b>Volatiles</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
01725	TPH-GRO N. CA soil C6-C12	n.a.	2.4	0.5	0.9	23.3

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160571AA	02/26/2016 13:46	Linda C Pape	1.05
00374	GC/MS - Bulk Soil Prep	SW-846 5035A	1	201605640199	02/25/2016 16:15	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:15	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 14:54	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-12-S-20-160216 NA Soil  
 Facility# 93322 CRAW  
 7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253713  
 LL Group # 1633818  
 Account # 10880

Project Name: 93322

Collected: 02/16/2016 13:20 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1220

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLE026	03/04/2016 03:58	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLE026	02/29/2016 09:00	Shawn J McMullen	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16056A16B	02/29/2016 21:04	Marie D Beamenderfer	23.3
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 14:55	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result



Sample Description: SB-12-S-25-160216 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253714  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/16/2016 13:25 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1225

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10237	Benzene	71-43-2	N.D.	0.026	0.26	52.85
10237	Ethylbenzene	100-41-4	1.6	0.053	0.26	52.85
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.026	0.26	52.85
10237	Toluene	108-88-3	N.D.	0.053	0.26	52.85
10237	Xylene (Total)	1330-20-7	6.2	0.053	0.26	52.85
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C SIM</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10725	Acenaphthene	83-32-9	0.0082	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	0.0028	0.00033	0.0017	1
10725	Anthracene	120-12-7	0.0073	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	0.0085	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	0.0048	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	0.0070	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	0.0014 J	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	0.0026	0.00066	0.0017	1
10725	Chrysene	218-01-9	0.0069	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	0.018	0.00066	0.0017	1
10725	Fluorene	86-73-7	0.0079	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	0.0012 J	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.75	0.0066	0.017	10
10725	Phenanthrene	85-01-8	0.024	0.00066	0.0017	1
10725	Pyrene	129-00-0	0.017	0.00066	0.0017	1
<b>GC</b>	<b>Volatiles</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
01725	TPH-GRO N. CA soil C6-C12	n.a.	65	1.9	3.7	93.72

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	Q160581AA	02/27/2016 14:01	Anita M Dale	52.85
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:15	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:15	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 14:51	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-12-S-25-160216 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253714  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/16/2016 13:25 by BY

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1225

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLE026	03/04/2016 04:28	Catherine E Bachman	1
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLE026	03/07/2016 12:22	Catherine E Bachman	10
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLE026	02/29/2016 09:00	Shawn J McMullen	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16056A16B	03/01/2016 00:11	Marie D Beamenderfer	93.72
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 14:52	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-12-S-29.5-160216 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253715  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/16/2016 13:30 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1229

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10237	Benzene	71-43-2	0.045 J	0.023	0.23	46.99
10237	Ethylbenzene	100-41-4	0.44	0.047	0.23	46.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.023	0.23	46.99
10237	Toluene	108-88-3	0.049 J	0.047	0.23	46.99
10237	Xylene (Total)	1330-20-7	2.6	0.047	0.23	46.99
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C SIM</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10725	Acenaphthene	83-32-9	0.0058	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	0.0025	0.00033	0.0017	1
10725	Anthracene	120-12-7	0.0053	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	0.0064	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	0.0037	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	0.0052	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	0.0012 J	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	0.0020	0.00066	0.0017	1
10725	Chrysene	218-01-9	0.0055	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	0.013	0.00066	0.0017	1
10725	Fluorene	86-73-7	0.0077	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	0.00095 J	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.96	0.0066	0.017	10
10725	Phenanthrene	85-01-8	0.017	0.00066	0.0017	1
10725	Pyrene	129-00-0	0.013	0.00066	0.0017	1
<b>GC</b>	<b>Volatiles</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
01725	TPH-GRO N. CA soil C6-C12	n.a.	110	9.8	20	492.13

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	Q160571AA	02/26/2016 16:00	Anita M Dale	46.99
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:15	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:15	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 14:37	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-12-S-29.5-160216 NA Soil  
 Facility# 93322 CRAW  
 7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253715  
 LL Group # 1633818  
 Account # 10880

Project Name: 93322

Collected: 02/16/2016 13:30 by BY

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1229

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLE026	03/04/2016 04:58	Catherine E Bachman	1
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLE026	03/07/2016 12:52	Catherine E Bachman	10
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLE026	02/29/2016 09:00	Shawn J McMullen	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16056A16B	03/01/2016 02:04	Marie D Beamenderfer	492.13
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 14:38	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-13-S-3-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253716  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 08:55 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB133

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10237	Benzene	71-43-2	0.018	0.0005	0.005	1.05
10237	Ethylbenzene	100-41-4	0.001 J	0.001	0.005	1.05
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.0006 J	0.0005	0.005	1.05
10237	Toluene	108-88-3	0.011	0.001	0.005	1.05
10237	Xylene (Total)	1330-20-7	0.004 J	0.001	0.005	1.05
<b>GC/MS Semivolatiles SW-846 8270C SIM</b>						
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0016	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0016	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0016	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0016	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0016	1
10725	Benzo(b)fluoranthene	205-99-2	0.00091 J	0.00066	0.0016	1
10725	Benzo(g,h,i)perylene	191-24-2	0.00073 J	0.00066	0.0016	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0016	1
10725	Chrysene	218-01-9	0.0013 J	0.00033	0.0016	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0016	1
10725	Fluoranthene	206-44-0	0.0010 J	0.00066	0.0016	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0016	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0016	1
10725	Naphthalene	91-20-3	0.0019	0.00066	0.0016	1
10725	Phenanthrene	85-01-8	0.0014 J	0.00066	0.0016	1
10725	Pyrene	129-00-0	0.00077 J	0.00066	0.0016	1
<b>GC Volatiles SW-846 8015B modified</b>						
01725	TPH-GRO N. CA soil C6-C12	n.a.	0.8 J	0.5	1.0	25.46

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160571AA	02/26/2016 14:09	Linda C Pape	1.05
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:15	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:15	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 14:34	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result



Sample Description: SB-13-S-3-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253716  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 08:55 by BY

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB133

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLE026	03/07/2016 13:22	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLE026	02/29/2016 09:00	Shawn J McMullen	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16056A16B	02/29/2016 21:41	Marie D Beamenderfer	25.46
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 14:35	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-13-S-5-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253717  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 09:00 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB135

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10237	Benzene	71-43-2	0.024	0.0005	0.005	1.02
10237	Ethylbenzene	100-41-4	0.001 J	0.001	0.005	1.02
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.0007 J	0.0005	0.005	1.02
10237	Toluene	108-88-3	0.012	0.001	0.005	1.02
10237	Xylene (Total)	1330-20-7	0.003 J	0.001	0.005	1.02
<b>GC/MS Semivolatiles SW-846 8270C SIM</b>						
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	0.00076 J	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	0.00096 J	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0016 J	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	0.00094 J	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
<b>GC Volatiles SW-846 8015B modified</b>						
01725	TPH-GRO N. CA soil C6-C12	n.a.	1.7	0.5	1.1	26.8

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160571AA	02/26/2016 14:32	Linda C Pape	1.02
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	3	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-13-S-5-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253717  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 09:00 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB135

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	4	201605640199	02/25/2016 16:15	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 14:28	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 14:29	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	3	201605640199	02/25/2016 14:28	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLE026	03/04/2016 05:59	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLE026	02/29/2016 09:00	Shawn J McMullen	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16060B31A	03/01/2016 18:25	Jeremy C Giffin	26.8
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 14:30	Mitchell R Washel	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 14:31	Mitchell R Washel	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	3	201605640199	02/25/2016 14:31	Mitchell R Washel	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	4	201605640199	02/25/2016 14:32	Mitchell R Washel	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	5	201605640199	02/25/2016 14:33	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-13-S-10-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253718  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 09:10 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1310

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10237	Benzene	71-43-2	0.009	0.0005	0.005	0.98
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.98
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.001 J	0.0005	0.005	0.98
10237	Toluene	108-88-3	0.004 J	0.001	0.005	0.98
10237	Xylene (Total)	1330-20-7	0.002 J	0.001	0.005	0.98
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C SIM</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.00073 J	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
<b>GC</b>	<b>Volatiles</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
01725	TPH-GRO N. CA soil C6-C12	n.a.	0.5 J	0.5	1	24.22

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160571AA	02/26/2016 14:54	Linda C Pape	0.98
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 14:20	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-13-S-10-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253718  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 09:10 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1310

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLE026	03/04/2016 06:29	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLE026	02/29/2016 09:00	Shawn J McMullen	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16060B31A	03/01/2016 20:17	Jeremy C Giffin	24.22
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 14:21	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result



Sample Description: SB-13-S-15-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253719  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 09:20 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1315

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>			mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	N.D.	0.026	0.26	51.44
10237	Ethylbenzene	100-41-4	N.D.	0.051	0.26	51.44
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.026	0.26	51.44
10237	Toluene	108-88-3	N.D.	0.051	0.26	51.44
10237	Xylene (Total)	1330-20-7	N.D.	0.051	0.26	51.44

Reporting limits were raised due to interference from the sample matrix.

GC/MS	Semivolatiles	SW-846 8270C SIM	mg/kg	mg/kg	mg/kg	
10725	Acenaphthene	83-32-9	0.0028	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	0.00095 J	0.00033	0.0017	1
10725	Anthracene	120-12-7	0.0020	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	0.00068 J	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	0.00071 J	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	0.00077 J	0.00066	0.0017	1
10725	Fluorene	86-73-7	0.0027	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.054	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	0.0051	0.00066	0.0017	1
10725	Pyrene	129-00-0	0.0012 J	0.00066	0.0017	1

GC Volatiles	SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	23	1.9	3.8 94.16

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	Q160571AA	02/26/2016 16:23	Anita M Dale	51.44
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 14:08	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-13-S-15-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253719  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 09:20 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1315

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLE026	03/04/2016 06:59	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLE026	02/29/2016 09:00	Shawn J McMullen	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16056A16B	03/01/2016 00:49	Marie D Beamenderfer	94.16
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 14:08	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-13-S-20-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253720  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 09:25 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1320

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10237	Benzene	71-43-2	13	0.52	5.2	1046.03
10237	Ethylbenzene	100-41-4	40	1.0	5.2	1046.03
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.52	5.2	1046.03
10237	Toluene	108-88-3	71	1.0	5.2	1046.03
10237	Xylene (Total)	1330-20-7	220	1.0	5.2	1046.03
<b>GC/MS Semivolatiles SW-846 8270C SIM</b>						
10725	Acenaphthene	83-32-9	0.026	0.00066	0.0016	1
10725	Acenaphthylene	208-96-8	0.011	0.00033	0.0016	1
10725	Anthracene	120-12-7	0.024	0.00033	0.0016	1
10725	Benzo(a)anthracene	56-55-3	0.0084	0.00066	0.0016	1
10725	Benzo(a)pyrene	50-32-8	0.0033	0.00066	0.0016	1
10725	Benzo(b)fluoranthene	205-99-2	0.0027	0.00066	0.0016	1
10725	Benzo(g,h,i)perylene	191-24-2	0.0017	0.00066	0.0016	1
10725	Benzo(k)fluoranthene	207-08-9	0.0012 J	0.00066	0.0016	1
10725	Chrysene	218-01-9	0.0052	0.00033	0.0016	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0016	1
10725	Fluoranthene	206-44-0	0.010	0.00066	0.0016	1
10725	Fluorene	86-73-7	0.015	0.00066	0.0016	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	0.00080 J	0.00066	0.0016	1
10725	Naphthalene	91-20-3	7.7	0.066	0.16	100
10725	Phenanthrene	85-01-8	0.057	0.00066	0.0016	1
10725	Pyrene	129-00-0	0.011	0.00066	0.0016	1
<b>GC Volatiles SW-846 8015B modified</b>						
01725	TPH-GRO N. CA soil C6-C12	n.a.	1,300	100	210	5186.72

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	Q160571AA	02/26/2016 16:47	Anita M Dale	1046.03
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 14:04	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-13-S-20-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253720  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 09:25 by BY

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1320

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLE026	03/07/2016 13:51	Catherine E Bachman	1
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLE026	03/07/2016 14:51	Catherine E Bachman	100
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLE026	02/29/2016 09:00	Shawn J McMullen	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16056A16B	03/01/2016 03:57	Marie D Beamenderfer	5186.72
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 14:05	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-13-S-25-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253721  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 09:30 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1325

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10237	Benzene	71-43-2	2.6	0.23	2.3	455.37
10237	Ethylbenzene	100-41-4	7.8	0.46	2.3	455.37
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.23	2.3	455.37
10237	Toluene	108-88-3	11	0.46	2.3	455.37
10237	Xylene (Total)	1330-20-7	44	0.46	2.3	455.37
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C SIM</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10725	Acenaphthene	83-32-9	0.024	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	0.021	0.00033	0.0017	1
10725	Anthracene	120-12-7	0.029	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	0.014	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	0.0048	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	0.0044	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	0.0028	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	0.0026	0.00066	0.0017	1
10725	Chrysene	218-01-9	0.0087	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	0.014	0.00066	0.0017	1
10725	Fluorene	86-73-7	0.024	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	0.0011 J	0.00066	0.0017	1
10725	Naphthalene	91-20-3	9.3	0.066	0.17	100
10725	Phenanthrene	85-01-8	0.074	0.00066	0.0017	1
10725	Pyrene	129-00-0	0.019	0.00066	0.0017	1
<b>GC</b>	<b>Volatiles</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
01725	TPH-GRO N. CA soil C6-C12	n.a.	610	20	40	989.12

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	Q160571AA	02/26/2016 17:10	Anita M Dale	455.37
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 13:17	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result



Sample Description: SB-13-S-25-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253721  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 09:30 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1325

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLE026	03/07/2016 14:21	Catherine E Bachman	1
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLE026	03/07/2016 15:21	Catherine E Bachman	100
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLE026	02/29/2016 09:00	Shawn J McMullen	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16056A16B	03/01/2016 02:42	Marie D Beamenderfer	989.12
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 13:18	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-13-S-29.5-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253722  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 09:35 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1329

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10237	Benzene	71-43-2	16	0.10	1.0	200.8
10237	Ethylbenzene	100-41-4	66	1.0	5.0	1004.02
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.10	1.0	200.8
10237	Toluene	108-88-3	92	1.0	5.0	1004.02
10237	Xylene (Total)	1330-20-7	340	1.0	5.0	1004.02
<b>GC/MS Semivolatiles SW-846 8270C SIM</b>						
10725	Acenaphthene	83-32-9	0.050	0.00067	0.0017	1
10725	Acenaphthylene	208-96-8	0.047	0.00033	0.0017	1
10725	Anthracene	120-12-7	0.034	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	0.021	0.00067	0.0017	1
10725	Benzo(a)pyrene	50-32-8	0.0077	0.00067	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	0.0055	0.00067	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	0.0054	0.00067	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	0.0034	0.00067	0.0017	1
10725	Chrysene	218-01-9	0.012	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00067	0.0017	1
10725	Fluoranthene	206-44-0	0.021	0.00067	0.0017	1
10725	Fluorene	86-73-7	0.038	0.00067	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	0.0018	0.00067	0.0017	1
10725	Naphthalene	91-20-3	18	0.067	0.17	100
10725	Phenanthrene	85-01-8	0.13	0.00067	0.0017	1
10725	Pyrene	129-00-0	0.030	0.00067	0.0017	1
<b>GC Volatiles SW-846 8015B modified</b>						
01725	TPH-GRO N. CA soil C6-C12	n.a.	4,400	200	400	10111.22

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	Q160581AA	02/27/2016 14:24	Anita M Dale	1004.02
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	R160611AA	03/01/2016 10:58	Anita M Dale	200.8
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 13:11	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-13-S-29.5-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253722  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 09:35 by BY

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1329

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLH026	03/04/2016 13:20	Catherine E Bachman	1
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLH026	03/07/2016 09:19	Catherine E Bachman	100
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLH026	02/29/2016 19:00	Sally L Appleyard	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16056A16B	03/01/2016 04:35	Marie D Beamenderfer	10111.2
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 13:12	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-7-S-3-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253723  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 10:15 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB7-3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10237	Benzene	71-43-2	0.002 J	0.0005	0.005	0.93
10237	Ethylbenzene	100-41-4	N.D.	0.0009	0.005	0.93
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.93
10237	Toluene	108-88-3	N.D.	0.0009	0.005	0.93
10237	Xylene (Total)	1330-20-7	N.D.	0.0009	0.005	0.93
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C SIM</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0011 J	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
<b>GC</b>	<b>Volatiles</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
01725	TPH-GRO N. CA soil C6-C12	n.a.	1.8	0.5	1	24.34

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160571AA	02/26/2016 15:17	Linda C Pape	0.93
00374	GC/MS - Bulk Soil Prep	SW-846 5035A	1	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	Modified					
00374	GC/MS - Bulk Soil Prep	SW-846 5035A	2	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	Modified					
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A	1	201605640199	02/25/2016 13:08	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	Modified					

\*=This limit was used in the evaluation of the final result

Sample Description: SB-7-S-3-160217 NA Soil  
 Facility# 93322 CRAW  
 7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253723  
 LL Group # 1633818  
 Account # 10880

Project Name: 93322

Collected: 02/17/2016 10:15 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB7-3

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLH026	03/07/2016 09:49	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLH026	02/29/2016 19:00	Sally L Appleyard	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16056A16B	02/29/2016 22:57	Marie D Beamenderfer	24.34
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 13:09	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result



Sample Description: SB-7-S-5-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253724  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 10:25 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB7-5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.02
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.02
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.02
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.02
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.02
<b>GC/MS Semivolatiles SW-846 8270C SIM</b>						
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	0.0010 J	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	0.00084 J	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	0.0019	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0029	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	0.00088 J	0.00066	0.0017	1
10725	Pyrene	129-00-0	0.00091 J	0.00066	0.0017	1
<b>GC Volatiles SW-846 8015B modified</b>						
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1	24.75

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160571AA	02/26/2016 15:39	Linda C Pape	1.02
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 13:06	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-7-S-5-160217 NA Soil  
 Facility# 93322 CRAW  
 7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253724  
 LL Group # 1633818  
 Account # 10880

Project Name: 93322

Collected: 02/17/2016 10:25 by BY

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB7-5

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLH026	03/04/2016 14:19	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLH026	02/29/2016 19:00	Sally L Appleyard	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16060B31A	03/01/2016 20:53	Jeremy C Giffin	24.75
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 13:07	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-7-S-10-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253725  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 10:35 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB710

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10237	Benzene	71-43-2	0.004 J	0.0005	0.005	0.99
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.005 J	0.0005	0.005	0.99
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.99
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.99
<b>GC/MS Semivolatiles SW-846 8270C SIM</b>						
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0016	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0016	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0016	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0016	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0016	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0016	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0016	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0016	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0016	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0016	1
10725	Fluoranthene	206-44-0	0.00099 J	0.00066	0.0016	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0016	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0016	1
10725	Naphthalene	91-20-3	0.0037	0.00066	0.0016	1
10725	Phenanthrene	85-01-8	0.00089 J	0.00066	0.0016	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0016	1
<b>GC Volatiles SW-846 8015B modified</b>						
01725	TPH-GRO N. CA soil C6-C12	n.a.	1.4	0.5	1.0	25.1

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160571AA	02/26/2016 16:02	Linda C Pape	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 13:03	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-7-S-10-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253725  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 10:35 by BY

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB710

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLH026	03/04/2016 14:49	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLH026	02/29/2016 19:00	Sally L Appleyard	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16060B31A	03/01/2016 21:29	Jeremy C Giffin	25.1
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 13:04	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-7-S-15-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253726  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 10:40 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB715

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10237	Benzene	71-43-2	0.025	0.0005	0.005	1
10237	Ethylbenzene	100-41-4	0.007	0.001	0.005	1
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.004 J	0.0005	0.005	1
10237	Toluene	108-88-3	N.D.	0.001	0.005	1
10237	Xylene (Total)	1330-20-7	0.001 J	0.001	0.005	1
<b>GC/MS Semivolatiles SW-846 8270C SIM</b>						
10725	Acenaphthene	83-32-9	0.0016 J	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	0.00048 J	0.00033	0.0017	1
10725	Anthracene	120-12-7	0.0019	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	0.0010 J	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	0.00089 J	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	0.0037	0.00066	0.0017	1
10725	Fluorene	86-73-7	0.0014 J	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.037	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	0.0064	0.00066	0.0017	1
10725	Pyrene	129-00-0	0.0026	0.00066	0.0017	1
<b>GC Volatiles SW-846 8015B modified</b>						
01725	TPH-GRO N. CA soil C6-C12	n.a.	30	2.1	4.1	102.77

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160613AA	03/02/2016 02:08	Sara E Johnson	1
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 13:00	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result



Sample Description: SB-7-S-15-160217 NA Soil  
 Facility# 93322 CRAW  
 7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253726  
 LL Group # 1633818  
 Account # 10880

Project Name: 93322

Collected: 02/17/2016 10:40 by BY

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB715

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLH026	03/04/2016 15:18	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLH026	02/29/2016 19:00	Sally L Appleyard	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16060B31A	03/02/2016 07:22	Jeremy C Giffin	102.77
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 13:00	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-7-S-20-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253727  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 10:50 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB720

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.05
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.05
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.0009 J	0.0005	0.005	1.05
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.05
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.05
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C SIM</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.00097 J	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
<b>GC</b>	<b>Volatiles</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1	24.61

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160571AA	02/26/2016 16:24	Linda C Pape	1.05
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 12:57	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-7-S-20-160217 NA Soil  
 Facility# 93322 CRAW  
 7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253727  
 LL Group # 1633818  
 Account # 10880

Project Name: 93322

Collected: 02/17/2016 10:50 by BY

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB720

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLH026	03/04/2016 15:47	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLH026	02/29/2016 19:00	Sally L Appleyard	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16060B31A	03/01/2016 22:05	Jeremy C Giffin	24.61
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 12:58	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-7-S-25-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253728  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 10:55 by BY

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB725

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.93
10237	Ethylbenzene	100-41-4	N.D.	0.0009	0.005	0.93
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.003 J	0.0005	0.005	0.93
10237	Toluene	108-88-3	N.D.	0.0009	0.005	0.93
10237	Xylene (Total)	1330-20-7	N.D.	0.0009	0.005	0.93
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C SIM</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0015 J	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
<b>GC</b>	<b>Volatiles</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1	24.37

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160571AA	02/26/2016 16:47	Linda C Pape	0.93
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 12:49	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-7-S-25-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253728  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 10:55 by BY

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB725

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLH026	03/04/2016 16:17	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLH026	02/29/2016 19:00	Sally L Appleyard	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16060B31A	03/01/2016 23:16	Jeremy C Giffin	24.37
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 12:49	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result



Sample Description: SB-7-S-29.5-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253729  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 11:00 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB729

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.02
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.02
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.02
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.02
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.02
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C SIM</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0012 J	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
<b>GC</b>	<b>Volatiles</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1.0	25.48

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160571AA	02/26/2016 17:10	Linda C Pape	1.02
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 12:46	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-7-S-29.5-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253729  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 11:00 by BY

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB729

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLH026	03/04/2016 16:46	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLH026	02/29/2016 19:00	Sally L Appleyard	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16060B31A	03/01/2016 23:59	Jeremy C Giffin	25.48
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 12:46	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-8-S-3-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253730  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 12:25 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB8-3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>			mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.0005 J	0.0005	0.005	1.02
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.02
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.02
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.02
10237	Xylene (Total)	1330-20-7	0.001 J	0.001	0.005	1.02
<b>GC/MS Semivolatiles SW-846 8270C SIM</b>			mg/kg	mg/kg	mg/kg	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0016	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0016	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0016	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0016	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0016	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0016	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0016	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0016	1
10725	Chrysene	218-01-9	0.00042 J	0.00033	0.0016	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0016	1
10725	Fluoranthene	206-44-0	0.00076 J	0.00066	0.0016	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0016	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0016	1
10725	Naphthalene	91-20-3	0.0024	0.00066	0.0016	1
10725	Phenanthrene	85-01-8	0.0010 J	0.00066	0.0016	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0016	1
<b>GC Volatiles SW-846 8015B modified</b>			mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1.1	27.2

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160571AA	02/26/2016 17:32	Linda C Pape	1.02
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 12:42	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-8-S-3-160217 NA Soil  
 Facility# 93322 CRAW  
 7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253730  
 LL Group # 1633818  
 Account # 10880

Project Name: 93322

Collected: 02/17/2016 12:25 by BY

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB8-3

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLH026	03/04/2016 17:16	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLH026	02/29/2016 19:00	Sally L Appleyard	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16060B31A	03/02/2016 00:35	Jeremy C Giffin	27.2
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 12:43	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-8-S-5-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253731  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 12:35 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB8-5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.03
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.03
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.03
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.03
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.03
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C SIM</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0013 J	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	0.00067 J	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
<b>GC</b>	<b>Volatiles</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1.0	25.38

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160571AA	02/26/2016 17:55	Linda C Pape	1.03
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 12:39	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result



Sample Description: SB-8-S-5-160217 NA Soil  
 Facility# 93322 CRAW  
 7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253731  
 LL Group # 1633818  
 Account # 10880

Project Name: 93322

Collected: 02/17/2016 12:35 by BY

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB8-5

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLH026	03/04/2016 17:45	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLH026	02/29/2016 19:00	Sally L Appleyard	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16060B31A	03/02/2016 01:11	Jeremy C Giffin	25.38
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 12:40	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-8-S-10-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253732  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 13:05 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB810

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10237	Benzene	71-43-2	0.0007 J	0.0005	0.005	0.99
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.99
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.99
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.99
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C SIM</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	0.00077 J	0.00033	0.0017	1
10725	Anthracene	120-12-7	0.00085 J	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	0.0025	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	0.0029	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	0.0044	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	0.00093 J	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	0.0017	0.00066	0.0017	1
10725	Chrysene	218-01-9	0.0029	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	0.0026	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	0.00099 J	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0021	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	0.0014 J	0.00066	0.0017	1
10725	Pyrene	129-00-0	0.0018	0.00066	0.0017	1
<b>GC</b>	<b>Volatiles</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1.0	26.07

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160571AA	02/26/2016 18:17	Linda C Pape	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:14	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:13	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 12:15	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-8-S-10-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253732  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 13:05 by BY

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB810

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLH026	03/04/2016 18:15	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLH026	02/29/2016 19:00	Sally L Appleyard	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16060B31A	03/02/2016 01:46	Jeremy C Giffin	26.07
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 12:15	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-8-S-15-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253733  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 13:10 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB815

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10237	Benzene	71-43-2	0.006	0.0005	0.005	1
10237	Ethylbenzene	100-41-4	0.045	0.001	0.005	1
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1
10237	Toluene	108-88-3	N.D.	0.001	0.005	1
10237	Xylene (Total)	1330-20-7	0.001 J	0.001	0.005	1
<b>GC/MS Semivolatiles SW-846 8270C SIM</b>						
10725	Acenaphthene	83-32-9	0.0011 J	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	0.0014 J	0.00033	0.0017	1
10725	Anthracene	120-12-7	0.0011 J	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	0.0017	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	0.011	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	0.0043	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	0.035	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	0.0014 J	0.00066	0.0017	1
10725	Chrysene	218-01-9	0.0011 J	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	0.042	0.00066	0.0017	1
10725	Fluorene	86-73-7	0.0014 J	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	0.0057	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.024	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	0.0099	0.00066	0.0017	1
10725	Pyrene	129-00-0	0.14	0.00066	0.0017	1
<b>GC Volatiles SW-846 8015B modified</b>						
01725	TPH-GRO N. CA soil C6-C12	n.a.	6.3	1.9	3.9	96.71

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160613AA	03/02/2016 02:53	Sara E Johnson	1
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:13	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:13	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 12:07	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-8-S-15-160217 NA Soil  
 Facility# 93322 CRAW  
 7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253733  
 LL Group # 1633818  
 Account # 10880

Project Name: 93322

Collected: 02/17/2016 13:10 by BY

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB815

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLH026	03/04/2016 18:45	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLH026	02/29/2016 19:00	Sally L Appleyard	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16060B31A	03/02/2016 07:58	Jeremy C Giffin	96.71
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 12:08	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result



Sample Description: SB-8-S-20-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253734  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 13:15 by BY

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB820

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10237	Benzene	71-43-2	0.033	0.0005	0.005	0.99
10237	Ethylbenzene	100-41-4	0.008	0.001	0.005	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.002 J	0.0005	0.005	0.99
10237	Toluene	108-88-3	0.001 J	0.001	0.005	0.99
10237	Xylene (Total)	1330-20-7	0.024	0.001	0.005	0.99
<b>GC/MS Semivolatiles SW-846 8270C SIM</b>						
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0069	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
<b>GC Volatiles SW-846 8015B modified</b>						
01725	TPH-GRO N. CA soil C6-C12	n.a.	0.7 J	0.5	1.0	26.18

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160572AA	02/27/2016 03:53	Sara E Johnson	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:13	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:13	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 12:03	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-8-S-20-160217 NA Soil  
 Facility# 93322 CRAW  
 7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253734  
 LL Group # 1633818  
 Account # 10880

Project Name: 93322

Collected: 02/17/2016 13:15 by BY

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB820

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLH026	03/04/2016 19:15	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLH026	02/29/2016 19:00	Sally L Appleyard	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16060B31A	03/02/2016 02:22	Jeremy C Giffin	26.18
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 12:04	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-8-S-25-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253735  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 13:25 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB825

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10237	Benzene	71-43-2	0.001 J	0.0005	0.005	0.96
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.96
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.003 J	0.0005	0.005	0.96
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.96
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.96
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C SIM</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	0.00039 J	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0047	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	0.0021	0.00066	0.0017	1
10725	Pyrene	129-00-0	0.00089 J	0.00066	0.0017	1
<b>GC</b>	<b>Volatiles</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
01725	TPH-GRO N. CA soil C6-C12	n.a.	9.5	1.9	3.7	92.94

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160572AA	02/27/2016 04:16	Sara E Johnson	0.96
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:13	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:13	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 12:00	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-8-S-25-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253735  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 13:25 by BY

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB825

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLH026	03/04/2016 19:45	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLH026	02/29/2016 19:00	Sally L Appleyard	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16060B31A	03/02/2016 08:34	Jeremy C Giffin	92.94
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 12:00	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-8-S-29.5-160217 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253736  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 13:30 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB829

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.06
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.06
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.06
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.06
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.06
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C SIM</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0029	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	0.00080 J	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
<b>GC</b>	<b>Volatiles</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1.0	25.51

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160572AA	02/26/2016 22:14	Sara E Johnson	1.06
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:13	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:13	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 11:53	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result



Sample Description: SB-8-S-29.5-160217 NA Soil  
 Facility# 93322 CRAW  
 7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253736  
 LL Group # 1633818  
 Account # 10880

Project Name: 93322

Collected: 02/17/2016 13:30 by BY

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB829

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLH026	03/04/2016 20:16	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLH026	02/29/2016 19:00	Sally L Appleyard	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16060B31A	03/02/2016 03:05	Jeremy C Giffin	25.51
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 11:56	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-11-S-3-160218 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253737  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/18/2016 07:20 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB113

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.94
10237	Ethylbenzene	100-41-4	N.D.	0.0009	0.005	0.94
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.94
10237	Toluene	108-88-3	N.D.	0.0009	0.005	0.94
10237	Xylene (Total)	1330-20-7	N.D.	0.0009	0.005	0.94
<b>GC/MS Semivolatiles SW-846 8270C SIM</b>						
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	0.00036 J	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	0.0010 J	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	0.00074 J	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	0.0014 J	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	0.0016 J	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0026	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	0.0023	0.00066	0.0017	1
10725	Pyrene	129-00-0	0.0011 J	0.00066	0.0017	1
<b>GC Volatiles SW-846 8015B modified</b>						
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1.0	25.69

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160572AA	02/26/2016 22:36	Sara E Johnson	0.94
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:13	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:13	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 11:46	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-11-S-3-160218 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253737  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/18/2016 07:20 by BY

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB113

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLH026	03/07/2016 10:19	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLH026	02/29/2016 19:00	Sally L Appleyard	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16060B31A	03/02/2016 03:41	Jeremy C Giffin	25.69
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 11:47	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-11-S-5-160218 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253738  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/18/2016 08:25 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB115

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.08
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.08
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.08
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.08
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.08
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C SIM</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10725	Acenaphthene	83-32-9	N.D.	0.00067	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00067	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00067	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00067	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00067	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00067	0.0017	1
10725	Chrysene	218-01-9	0.00079 J	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00067	0.0017	1
10725	Fluoranthene	206-44-0	0.0010 J	0.00067	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00067	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00067	0.0017	1
10725	Naphthalene	91-20-3	0.0013 J	0.00067	0.0017	1
10725	Phenanthrene	85-01-8	0.0011 J	0.00067	0.0017	1
10725	Pyrene	129-00-0	0.00075 J	0.00067	0.0017	1
<b>GC</b>	<b>Volatiles</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1.0	25.48

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160572AA	02/26/2016 22:59	Sara E Johnson	1.08
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:13	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:13	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 11:43	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-11-S-5-160218 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253738  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/18/2016 08:25 by BY

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB115

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLH026	03/07/2016 10:51	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLH026	02/29/2016 19:00	Sally L Appleyard	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16060B31A	03/02/2016 04:16	Jeremy C Giffin	25.48
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 11:43	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result



Sample Description: SB-11-S-10-160218 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253739  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/18/2016 08:35 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1110

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.99
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.99
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.99
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.99
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C SIM</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	N.D.	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
<b>GC</b>	<b>Volatiles</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1	24.88

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160572AA	02/26/2016 23:21	Sara E Johnson	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5035A	1	201605640199	02/25/2016 16:13	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	Modified					
00374	GC/MS - Bulk Soil Prep	SW-846 5035A	2	201605640199	02/25/2016 16:13	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	Modified					
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A	1	201605640199	02/25/2016 11:28	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	Modified					

\*=This limit was used in the evaluation of the final result

Sample Description: SB-11-S-10-160218 NA Soil  
 Facility# 93322 CRAW  
 7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253739  
 LL Group # 1633818  
 Account # 10880

Project Name: 93322

Collected: 02/18/2016 08:35 by BY

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1110

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLH026	03/04/2016 10:53	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLH026	02/29/2016 19:00	Sally L Appleyard	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16060B31A	03/02/2016 05:28	Jeremy C Giffin	24.88
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 11:29	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-11-S-15-160218 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253740  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/18/2016 08:40 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1115

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.07
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.07
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.07
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.07
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.07
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C SIM</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	0.00047 J	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.00073 J	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
<b>GC</b>	<b>Volatiles</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1.0	26.23

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160572AA	02/26/2016 23:44	Sara E Johnson	1.07
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:13	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:13	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 11:22	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-11-S-15-160218 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253740  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/18/2016 08:40 by BY

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1115

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLH026	03/04/2016 12:21	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLH026	02/29/2016 19:00	Sally L Appleyard	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16060B31A	03/02/2016 06:11	Marie D Beamenderfer	26.23
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 11:23	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-11-S-20-160218 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253741  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/18/2016 08:45 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1120

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.99
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.99
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.99
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.99
<b>GC/MS Semivolatiles SW-846 8270C SIM</b>						
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0010 J	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
<b>GC Volatiles SW-846 8015B modified</b>						
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1.0	25.72

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160572AA	02/27/2016 00:07	Sara E Johnson	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:13	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:13	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 11:19	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result



Sample Description: SB-11-S-20-160218 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253741  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/18/2016 08:45 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1120

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLH026	03/04/2016 12:51	Catherine E Bachman	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLH026	02/29/2016 19:00	Sally L Appleyard	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16060B31A	03/02/2016 06:46	Jeremy C Giffin	25.72
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 11:20	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-11-S-25-160218 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253742  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/18/2016 08:50 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1125

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.03
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.03
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.03
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.03
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.03
<b>GC/MS Semivolatiles SW-846 8270C SIM</b>						
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0016	1
10725	Acenaphthylene	208-96-8	0.00087 J	0.00033	0.0016	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0016	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0016	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0016	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0016	1
10725	Benzo(g,h,i)perylene	191-24-2	0.0010 J	0.00066	0.0016	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0016	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0016	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0016	1
10725	Fluoranthene	206-44-0	0.0020	0.00066	0.0016	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0016	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0016	1
10725	Naphthalene	91-20-3	0.0012 J	0.00066	0.0016	1
10725	Phenanthrene	85-01-8	0.0034	0.00066	0.0016	1
10725	Pyrene	129-00-0	0.0074	0.00066	0.0016	1
<b>GC Volatiles SW-846 8015B modified</b>						
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	4.9	9.8	245.58
Reporting limits were raised due to sample foaming.						

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160572AA	02/27/2016 00:29	Sara E Johnson	1.03
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:13	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:13	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 11:11	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-11-S-25-160218 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253742  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/18/2016 08:50 by BY

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1125

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLI026	03/03/2016 08:33	Joseph M Gambler	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLI026	02/29/2016 19:05	Sally L Appleyard	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16061A31A	03/02/2016 13:20	Marie D Beamenderfer	245.58
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 11:12	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-11-S-29.5-160218 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253743  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/18/2016 08:55 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1129

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1
10237	Toluene	108-88-3	N.D.	0.001	0.005	1
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C SIM</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0016	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0016	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0016	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0016	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0016	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0016	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0016	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0016	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0016	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0016	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0016	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0016	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0016	1
10725	Naphthalene	91-20-3	N.D.	0.00066	0.0016	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0016	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0016	1
<b>GC</b>	<b>Volatiles</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1.0	26.12

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160572AA	02/27/2016 00:52	Sara E Johnson	1
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 16:13	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605640199	02/25/2016 16:13	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 11:07	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-11-S-29.5-160218 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253743  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/18/2016 08:55 by BY

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1129

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLI026	03/03/2016 09:07	Joseph M Gambler	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLI026	02/29/2016 19:05	Sally L Appleyard	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16061A31A	03/02/2016 14:32	Marie D Beamenderfer	26.12
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605640199	02/25/2016 11:08	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-10-S-3-160218 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253744  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/18/2016 10:35 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB103

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>			mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.002 J	0.0005	0.005	1.04
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.04
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.04
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.04
10237	Xylene (Total)	1330-20-7	0.009	0.001	0.005	1.04
<b>GC/MS Semivolatiles SW-846 8270C SIM</b>			mg/kg	mg/kg	mg/kg	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	0.00052 J	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0022	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	0.00075 J	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
<b>GC Volatiles SW-846 8015B modified</b>			mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	6.4	0.5	1.0	25.77

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160572AA	02/27/2016 01:15	Sara E Johnson	1.04
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605440152	02/23/2016 14:14	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605440152	02/23/2016 14:14	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605440152	02/23/2016 14:12	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result



Sample Description: SB-10-S-3-160218 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253744  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/18/2016 10:35 by BY

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB103

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLI026	03/03/2016 09:42	Joseph M Gambler	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLI026	02/29/2016 19:05	Sally L Appleyard	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16061A31A	03/02/2016 15:15	Marie D Beamenderfer	25.77
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605440152	02/23/2016 14:12	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-10-S-5-160218 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253745  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/18/2016 10:40 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB105

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10237	Benzene	71-43-2	0.0007 J	0.0005	0.005	1.05
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.05
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.05
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.05
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.05
<b>GC/MS Semivolatiles SW-846 8270C SIM</b>						
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0016	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0016	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0016	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0016	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0016	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0016	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0016	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0016	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0016	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0016	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0016	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0016	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0016	1
10725	Naphthalene	91-20-3	N.D.	0.00066	0.0016	1
10725	Phenanthrene	85-01-8	0.00088 J	0.00066	0.0016	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0016	1
<b>GC Volatiles SW-846 8015B modified</b>						
01725	TPH-GRO N. CA soil C6-C12	n.a.	1 J	0.5	1.1	26.29

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160572AA	02/27/2016 01:37	Sara E Johnson	1.05
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605440152	02/23/2016 14:14	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605440152	02/23/2016 14:14	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605440152	02/23/2016 14:09	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-10-S-5-160218 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253745  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/18/2016 10:40 by BY

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

SB105

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLI026	03/03/2016 06:50	Joseph M Gambler	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLI026	02/29/2016 19:05	Sally L Appleyard	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16061A31A	03/02/2016 15:50	Marie D Beamenderfer	26.29
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605440152	02/23/2016 14:10	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-10-S-10-160218 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253746  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/18/2016 10:55 by BY

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1010

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10237	Benzene	71-43-2	0.010	0.0005	0.005	1.04
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.04
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.002 J	0.0005	0.005	1.04
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.04
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.04
<b>GC/MS Semivolatiles SW-846 8270C SIM</b>						
10725	Acenaphthene	83-32-9	N.D.	0.00067	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00067	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00067	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00067	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00067	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00067	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00067	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00067	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00067	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00067	0.0017	1
10725	Naphthalene	91-20-3	N.D.	0.00067	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00067	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00067	0.0017	1
<b>GC Volatiles SW-846 8015B modified</b>						
01725	TPH-GRO N. CA soil C6-C12	n.a.	0.8 J	0.5	0.9	22.91

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160572AA	02/27/2016 02:00	Sara E Johnson	1.04
00374	GC/MS - Bulk Soil Prep	SW-846 5035A	1	201605440152	02/23/2016 14:14	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605440152	02/23/2016 14:14	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605440152	02/23/2016 13:21	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-10-S-10-160218 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253746  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/18/2016 10:55 by BY

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1010

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLI026	03/03/2016 10:17	Joseph M Gambler	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLI026	02/29/2016 19:05	Sally L Appleyard	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16061A31A	03/02/2016 16:26	Marie D Beamenderfer	22.91
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605440152	02/23/2016 13:21	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-10-S-15-160218 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253747  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/18/2016 11:00 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1015

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10237	Benzene	71-43-2	0.016	0.0005	0.005	1.02
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.02
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.004 J	0.0005	0.005	1.02
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.02
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.02
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C SIM</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.00097 J	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
<b>GC</b>	<b>Volatiles</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
01725	TPH-GRO N. CA soil C6-C12	n.a.	0.7 J	0.5	1.0	25.96

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160572AA	02/27/2016 02:23	Sara E Johnson	1.02
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605440152	02/23/2016 14:14	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605440152	02/23/2016 14:14	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605440152	02/23/2016 13:18	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result



Sample Description: SB-10-S-15-160218 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253747  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/18/2016 11:00 by BY

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1015

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLI026	03/03/2016 10:53	Joseph M Gambler	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLI026	02/29/2016 19:05	Sally L Appleyard	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16061A31A	03/02/2016 17:02	Marie D Beamenderfer	25.96
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605440152	02/23/2016 13:18	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-10-S-20-160218 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253748  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/18/2016 11:05 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1020

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10237	Benzene	71-43-2	0.008	0.0005	0.005	1.07
10237	Ethylbenzene	100-41-4	0.003 J	0.001	0.005	1.07
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.001 J	0.0005	0.005	1.07
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.07
10237	Xylene (Total)	1330-20-7	0.002 J	0.001	0.005	1.07
<b>GC/MS Semivolatiles SW-846 8270C SIM</b>						
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0035	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
<b>GC Volatiles SW-846 8015B modified</b>						
01725	TPH-GRO N. CA soil C6-C12	n.a.	1.8	0.5	1.0	26.07

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160572AA	02/27/2016 02:45	Sara E Johnson	1.07
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605440152	02/23/2016 14:14	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605440152	02/23/2016 14:14	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605440152	02/23/2016 13:15	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-10-S-20-160218 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253748  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/18/2016 11:05 by BY

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1020

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLI026	03/03/2016 11:29	Joseph M Gambler	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLI026	02/29/2016 19:05	Sally L Appleyard	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16061A31A	03/02/2016 17:38	Marie D Beamenderfer	26.07
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605440152	02/23/2016 13:16	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-10-S-25-160218 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253749  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/18/2016 11:10 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1025

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.98
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.98
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.98
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.98
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.98
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C SIM</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
10725	Acenaphthene	83-32-9	N.D.	0.00067	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00067	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00067	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00067	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00067	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00067	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00067	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00067	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00067	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00067	0.0017	1
10725	Naphthalene	91-20-3	N.D.	0.00067	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00067	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00067	0.0017	1
<b>GC</b>	<b>Volatiles</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1	24.37

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B160572AA	02/27/2016 03:08	Sara E Johnson	0.98
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605440152	02/23/2016 14:14	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605440152	02/23/2016 14:14	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605440152	02/23/2016 13:11	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-10-S-25-160218 NA Soil  
 Facility# 93322 CRAW  
 7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253749  
 LL Group # 1633818  
 Account # 10880

Project Name: 93322

Collected: 02/18/2016 11:10 by BY

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1025

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLI026	03/03/2016 12:05	Joseph M Gambler	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLI026	02/29/2016 19:05	Sally L Appleyard	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16061A31A	03/02/2016 18:21	Marie D Beamenderfer	24.37
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605440152	02/23/2016 13:12	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: SB-10-S-29.5-160218 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253750  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/18/2016 11:15 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1029

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>			mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	N.D.	0.023	0.23	45.87
10237	Ethylbenzene	100-41-4	N.D.	0.046	0.23	45.87
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.023	0.23	45.87
10237	Toluene	108-88-3	N.D.	0.046	0.23	45.87
10237	Xylene (Total)	1330-20-7	N.D.	0.046	0.23	45.87

Reporting limits were raised due to interference from the sample matrix.

GC/MS	Semivolatiles	SW-846 8270C SIM	mg/kg	mg/kg	mg/kg	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	0.00099 J	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	0.00069 J	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0011 J	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	0.00089 J	0.00066	0.0017	1

GC Volatiles	SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	22	2.1	4.1 103.2

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	Q160581AA	02/27/2016 06:18	Anita M Dale	45.87
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201605440152	02/23/2016 14:14	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201605440152	02/23/2016 14:14	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201605440152	02/23/2016 13:08	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result



Sample Description: SB-10-S-29.5-160218 NA Soil  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # SW 8253750  
LL Group # 1633818  
Account # 10880

Project Name: 93322

Collected: 02/18/2016 11:15 by BY

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 03/07/2016 23:20

B1029

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	16058SLI026	03/03/2016 12:42	Joseph M Gambler	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	16058SLI026	02/29/2016 19:05	Sally L Appleyard	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	16061A31A	03/03/2016 01:09	Marie D Beamenderfer	103.2
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201605440152	02/23/2016 13:09	Mitchell R Washel	n.a.

\*=This limit was used in the evaluation of the final result

## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 03/07/2016 23:20

Group Number: 1633818

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

### Method Blank

Analysis Name	Result	MDL**	LOQ
	mg/kg	mg/kg	mg/kg
Batch number: B160571AA	Sample number(s): 8253702-8253704, 8253706, 8253709-8253711, 8253713, 8253716-8253718, 8253723-8253725, 8253727-8253732		
Benzene	N.D.	0.0005	0.005
Ethylbenzene	N.D.	0.001	0.005
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005
Toluene	N.D.	0.001	0.005
Xylene (Total)	N.D.	0.001	0.005
Batch number: B160572AA	Sample number(s): 8253734-8253749		
Benzene	N.D.	0.0005	0.005
Ethylbenzene	N.D.	0.001	0.005
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005
Toluene	N.D.	0.001	0.005
Xylene (Total)	N.D.	0.001	0.005
Batch number: B160591AA	Sample number(s): 8253708, 8253712		
Benzene	N.D.	0.0005	0.005
Ethylbenzene	N.D.	0.001	0.005
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005
Toluene	N.D.	0.001	0.005
Xylene (Total)	N.D.	0.001	0.005
Batch number: B160613AA	Sample number(s): 8253726, 8253733		
Benzene	N.D.	0.0005	0.005
Ethylbenzene	N.D.	0.001	0.005
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005
Toluene	N.D.	0.001	0.005
Xylene (Total)	N.D.	0.001	0.005
Batch number: Q160571AA	Sample number(s): 8253705, 8253707-8253708, 8253715, 8253719-8253721		
Benzene	N.D.	0.025	0.25
Ethylbenzene	N.D.	0.050	0.25
Methyl Tertiary Butyl Ether	N.D.	0.025	0.25
Toluene	N.D.	0.050	0.25
Xylene (Total)	N.D.	0.050	0.25
Batch number: Q160581AA	Sample number(s): 8253714, 8253722, 8253750		
Benzene	N.D.	0.025	0.25
Ethylbenzene	N.D.	0.050	0.25
Methyl Tertiary Butyl Ether	N.D.	0.025	0.25
Toluene	N.D.	0.050	0.25
Xylene (Total)	N.D.	0.050	0.25
Batch number: R160611AA	Sample number(s): 8253707, 8253722		
Benzene	N.D.	0.025	0.25

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 03/07/2016 23:20

Group Number: 1633818

Analysis Name	Result	MDL**	LOQ
	mg/kg	mg/kg	mg/kg
Ethylbenzene	N.D.	0.050	0.25
Methyl Tertiary Butyl Ether	N.D.	0.025	0.25
Toluene	N.D.	0.050	0.25
Batch number: 16058SLE026	Sample number(s): 8253702-8253721		
Acenaphthene	N.D.	0.00067	0.0017
Acenaphthylene	N.D.	0.00033	0.0017
Anthracene	N.D.	0.00033	0.0017
Benzo(a)anthracene	N.D.	0.00067	0.0017
Benzo(a)pyrene	N.D.	0.00067	0.0017
Benzo(b)fluoranthene	N.D.	0.00067	0.0017
Benzo(g,h,i)perylene	N.D.	0.00067	0.0017
Benzo(k)fluoranthene	N.D.	0.00067	0.0017
Chrysene	N.D.	0.00033	0.0017
Dibenz(a,h)anthracene	N.D.	0.00067	0.0017
Fluoranthene	N.D.	0.00067	0.0017
Fluorene	N.D.	0.00067	0.0017
Indeno(1,2,3-cd)pyrene	N.D.	0.00067	0.0017
Naphthalene	N.D.	0.00067	0.0017
Phenanthrene	N.D.	0.00067	0.0017
Pyrene	N.D.	0.00067	0.0017
Batch number: 16058SLH026	Sample number(s): 8253722-8253741		
Acenaphthene	N.D.	0.00067	0.0017
Acenaphthylene	N.D.	0.00033	0.0017
Anthracene	N.D.	0.00033	0.0017
Benzo(a)anthracene	N.D.	0.00067	0.0017
Benzo(a)pyrene	N.D.	0.00067	0.0017
Benzo(b)fluoranthene	N.D.	0.00067	0.0017
Benzo(g,h,i)perylene	N.D.	0.00067	0.0017
Benzo(k)fluoranthene	N.D.	0.00067	0.0017
Chrysene	N.D.	0.00033	0.0017
Dibenz(a,h)anthracene	N.D.	0.00067	0.0017
Fluoranthene	N.D.	0.00067	0.0017
Fluorene	N.D.	0.00067	0.0017
Indeno(1,2,3-cd)pyrene	N.D.	0.00067	0.0017
Naphthalene	N.D.	0.00067	0.0017
Phenanthrene	N.D.	0.00067	0.0017
Pyrene	N.D.	0.00067	0.0017
Batch number: 16058SLI026	Sample number(s): 8253742-8253750		
Acenaphthene	N.D.	0.00067	0.0017
Acenaphthylene	N.D.	0.00033	0.0017
Anthracene	N.D.	0.00033	0.0017
Benzo(a)anthracene	N.D.	0.00067	0.0017
Benzo(a)pyrene	N.D.	0.00067	0.0017
Benzo(b)fluoranthene	N.D.	0.00067	0.0017
Benzo(g,h,i)perylene	N.D.	0.00067	0.0017
Benzo(k)fluoranthene	N.D.	0.00067	0.0017
Chrysene	N.D.	0.00033	0.0017
Dibenz(a,h)anthracene	N.D.	0.00067	0.0017
Fluoranthene	N.D.	0.00067	0.0017
Fluorene	N.D.	0.00067	0.0017
Indeno(1,2,3-cd)pyrene	N.D.	0.00067	0.0017
Naphthalene	N.D.	0.00067	0.0017

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 03/07/2016 23:20

Group Number: 1633818

Analysis Name	Result mg/kg	MDL** mg/kg	LOQ mg/kg
Phenanthrene	N.D.	0.00067	0.0017
Pyrene	N.D.	0.00067	0.0017
Batch number: 16056A16A TPH-GRO N. CA soil C6-C12	Sample number(s): 8253702-8253704 N.D.	0.5	1.0
Batch number: 16056A16B TPH-GRO N. CA soil C6-C12	Sample number(s): 8253705-8253716, 8253719-8253723 N.D.	0.5	1.0
Batch number: 16060B31A TPH-GRO N. CA soil C6-C12	Sample number(s): 8253717-8253718, 8253724-8253741 N.D.	0.5	1.0
Batch number: 16061A31A TPH-GRO N. CA soil C6-C12	Sample number(s): 8253742-8253750 N.D.	0.5	1.0

### LCS/LCSD

Analysis Name	LCS Spike Added mg/kg	LCS Conc mg/kg	LCSD Spike Added mg/kg	LCSD Conc mg/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: B160571AA	Sample number(s): 8253702-8253704, 8253706, 8253709-8253711, 8253713, 8253716-8253718, 8253723-8253725, 8253727-8253732								
Benzene	0.0200	0.0201	0.0200	0.0222	101	111	80-120	10	30
Ethylbenzene	0.0200	0.0204	0.0200	0.0223	102	111	80-120	9	30
Methyl Tertiary Butyl Ether	0.0200	0.0201	0.0200	0.0218	100	109	72-120	8	30
Toluene	0.0200	0.0198	0.0200	0.0216	99	108	80-120	9	30
Xylene (Total)	0.0600	0.0605	0.0600	0.0655	101	109	80-120	8	30
Batch number: B160572AA	Sample number(s): 8253734-8253749								
Benzene	0.0200	0.0212	0.0200	0.0227	106	114	80-120	7	30
Ethylbenzene	0.0200	0.0215	0.0200	0.0229	107	115	80-120	6	30
Methyl Tertiary Butyl Ether	0.0200	0.0218	0.0200	0.0225	109	113	72-120	4	30
Toluene	0.0200	0.0207	0.0200	0.0224	104	112	80-120	8	30
Xylene (Total)	0.0600	0.0632	0.0600	0.0678	105	113	80-120	7	30
Batch number: B160591AA	Sample number(s): 8253708, 8253712								
Benzene	0.0200	0.0220	0.0200	0.0205	110	103	80-120	7	30
Ethylbenzene	0.0200	0.0221	0.0200	0.0203	111	102	80-120	8	30
Methyl Tertiary Butyl Ether	0.0200	0.0213	0.0200	0.0193	106	97	72-120	10	30
Toluene	0.0200	0.0220	0.0200	0.0201	110	101	80-120	9	30
Xylene (Total)	0.0600	0.0657	0.0600	0.0608	110	101	80-120	8	30
Batch number: B160613AA	Sample number(s): 8253726, 8253733								
Benzene	0.0200	0.0212	0.0200	0.0191	106	96	80-120	11	30
Ethylbenzene	0.0200	0.0216	0.0200	0.0194	108	97	80-120	11	30
Methyl Tertiary Butyl Ether	0.0200	0.0201	0.0200	0.0188	101	94	72-120	7	30
Toluene	0.0200	0.0213	0.0200	0.0191	107	95	80-120	11	30
Xylene (Total)	0.0600	0.0638	0.0600	0.0579	106	96	80-120	10	30
Batch number: Q160571AA	Sample number(s): 8253705, 8253707-8253708, 8253715, 8253719-8253721								
Benzene	1.00	1.05	1.00	1.06	105	106	80-120	1	30
Ethylbenzene	1.00	0.986	1.00	0.978	99	98	80-120	1	30
Methyl Tertiary Butyl Ether	1.00	1.12	1.00	1.13	112	113	72-120	0	30
Toluene	1.00	0.987	1.00	0.993	99	99	80-120	1	30

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 03/07/2016 23:20

Group Number: 1633818

Analysis Name	LCS Spike Added mg/kg	LCS Conc mg/kg	LCSD Spike Added mg/kg	LCSD Conc mg/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Xylene (Total)	3.00	2.91	3.00	2.92	97	97	80-120	0	30
Batch number: Q160581AA	Sample number(s): 8253714,8253722,8253750								
Benzene	1.00	1.05	1.00	1.05	105	105	80-120	1	30
Ethylbenzene	1.00	1.03	1.00	1.04	103	104	80-120	1	30
Methyl Tertiary Butyl Ether	1.00	1.11	1.00	1.09	111	109	72-120	1	30
Toluene	1.00	1.05	1.00	1.03	105	103	80-120	1	30
Xylene (Total)	3.00	3.05	3.00	3.07	102	102	80-120	1	30
Batch number: R160611AA	Sample number(s): 8253707,8253722								
Benzene	1.00	0.966	1.00	0.968	97	97	80-120	0	30
Ethylbenzene	1.00	0.815	1.00	0.803	82	80	80-120	1	30
Methyl Tertiary Butyl Ether	1.00	0.953	1.00	0.982	95	98	72-120	3	30
Toluene	1.00	0.853	1.00	0.843	85	84	80-120	1	30
Batch number: 16058SLE026	Sample number(s): 8253702-8253721								
Acenaphthene	0.0333	0.0317			95		72-118		
Acenaphthylene	0.0333	0.0294			88		66-115		
Anthracene	0.0333	0.0305			92		79-114		
Benzo(a)anthracene	0.0333	0.0330			99		75-119		
Benzo(a)pyrene	0.0333	0.0322			97		77-114		
Benzo(b)fluoranthene	0.0333	0.0359			108		74-140		
Benzo(g,h,i)perylene	0.0333	0.0330			99		68-127		
Benzo(k)fluoranthene	0.0333	0.0298			89		74-115		
Chrysene	0.0333	0.0304			91		71-123		
Dibenz(a,h)anthracene	0.0333	0.0329			99		71-126		
Fluoranthene	0.0333	0.0302			91		77-118		
Fluorene	0.0333	0.0321			96		75-124		
Indeno(1,2,3-cd)pyrene	0.0333	0.0324			97		71-120		
Naphthalene	0.0333	0.0302			91		76-118		
Phenanthrene	0.0333	0.0318			95		78-114		
Pyrene	0.0333	0.0319			96		67-116		
Batch number: 16058SLH026	Sample number(s): 8253722-8253741								
Acenaphthene	0.0333	0.0326			98		72-118		
Acenaphthylene	0.0333	0.0306			92		66-115		
Anthracene	0.0333	0.0317			95		79-114		
Benzo(a)anthracene	0.0333	0.0339			102		75-119		
Benzo(a)pyrene	0.0333	0.0334			100		77-114		
Benzo(b)fluoranthene	0.0333	0.0360			108		74-140		
Benzo(g,h,i)perylene	0.0333	0.0344			103		68-127		
Benzo(k)fluoranthene	0.0333	0.0319			96		74-115		
Chrysene	0.0333	0.0313			94		71-123		
Dibenz(a,h)anthracene	0.0333	0.0344			103		71-126		
Fluoranthene	0.0333	0.0311			93		77-118		
Fluorene	0.0333	0.0330			99		75-124		
Indeno(1,2,3-cd)pyrene	0.0333	0.0337			101		71-120		
Naphthalene	0.0333	0.0304			91		76-118		
Phenanthrene	0.0333	0.0320			96		78-114		
Pyrene	0.0333	0.0324			97		67-116		
Batch number: 16058SLI026	Sample number(s): 8253742-8253750								
Acenaphthene	0.0333	0.0333			100		72-118		

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 03/07/2016 23:20

Group Number: 1633818

Analysis Name	LCS Spike Added mg/kg	LCS Conc mg/kg	LCSD Spike Added mg/kg	LCSD Conc mg/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Acenaphthylene	0.0333	0.0291			87		66-115		
Anthracene	0.0333	0.0313			94		79-114		
Benzo(a)anthracene	0.0333	0.0309			93		75-119		
Benzo(a)pyrene	0.0333	0.0311			93		77-114		
Benzo(b)fluoranthene	0.0333	0.0314			94		74-140		
Benzo(g,h,i)perylene	0.0333	0.0288			86		68-127		
Benzo(k)fluoranthene	0.0333	0.0321			96		74-115		
Chrysene	0.0333	0.0299			90		71-123		
Dibenz(a,h)anthracene	0.0333	0.0305			91		71-126		
Fluoranthene	0.0333	0.0320			96		77-118		
Fluorene	0.0333	0.0337			101		75-124		
Indeno(1,2,3-cd)pyrene	0.0333	0.0291			87		71-120		
Naphthalene	0.0333	0.0305			91		76-118		
Phenanthrene	0.0333	0.0300			90		78-114		
Pyrene	0.0333	0.0284			85		67-116		
	mg/kg	mg/kg	mg/kg	mg/kg					
Batch number: 16056A16A	Sample number(s): 8253702-8253704								
TPH-GRO N. CA soil C6-C12	11	9.47			86		63-120		
Batch number: 16056A16B	Sample number(s): 8253705-8253716,8253719-8253723								
TPH-GRO N. CA soil C6-C12	11	9.47			86		63-120		
Batch number: 16060B31A	Sample number(s): 8253717-8253718,8253724-8253741								
TPH-GRO N. CA soil C6-C12	11	8.71			79		63-120		
Batch number: 16061A31A	Sample number(s): 8253742-8253750								
TPH-GRO N. CA soil C6-C12	11	9.27	11	9.28	84	84	63-120	0	30

### MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc mg/kg	MS Spike Added mg/kg	MS Conc mg/kg	MSD Spike Added mg/kg	MSD Conc mg/kg	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: Q160571AA	Sample number(s): 8253705,8253707-8253708,8253715,8253719-8253721 UNSPK: P254858									
Benzene	N.D.	1.06	1.02	1.04	0.924	96	88	80-120	10	30
Ethylbenzene	N.D.	1.06	0.977	1.04	0.876	92	84	80-120	11	30
Methyl Tertiary Butyl Ether	N.D.	1.06	1.10	1.04	0.998	103	96	72-120	10	30
Toluene	N.D.	1.06	1.01	1.04	0.887	95	85	80-120	13	30
Xylene (Total)	N.D.	3.19	2.89	3.13	2.62	91	83	80-120	10	30
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg					
Batch number: 16058SLE026	Sample number(s): 8253702-8253721 UNSPK: 8253710									
Acenaphthene	N.D.	0.0329	0.0299	0.0332	0.0316	91	95	72-118	6	30
Acenaphthylene	N.D.	0.0329	0.0268	0.0332	0.0282	81	85	66-115	5	30
Anthracene	N.D.	0.0329	0.0244	0.0332	0.0251	74*	75*	79-114	3	30
Benzo(a)anthracene	N.D.	0.0329	0.0302	0.0332	0.0324	92	98	75-119	7	30
Benzo(a)pyrene	N.D.	0.0329	0.0279	0.0332	0.0300	85	90	77-114	7	30
Benzo(b)fluoranthene	N.D.	0.0329	0.0307	0.0332	0.0328	93	99	74-140	7	30
Benzo(g,h,i)perylene	N.D.	0.0329	0.0292	0.0332	0.0323	89	97	68-127	10	30

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.



## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 03/07/2016 23:20

Group Number: 1633818

Analysis Name	Unspiked Conc mg/kg	MS Spike Added mg/kg	MS Conc mg/kg	MSD Spike Added mg/kg	MSD Conc mg/kg	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Benzo(k) fluoranthene	N.D.	0.0329	0.0261	0.0332	0.0281	79	85	74-115	8	30
Chrysene	N.D.	0.0329	0.0275	0.0332	0.0291	84	88	71-123	6	30
Dibenz(a,h)anthracene	N.D.	0.0329	0.0294	0.0332	0.0322	89	97	71-126	9	30
Fluoranthene	N.D.	0.0329	0.0228	0.0332	0.0230	69*	69*	77-118	1	30
Fluorene	N.D.	0.0329	0.0287	0.0332	0.0298	87	90	75-124	4	30
Indeno(1,2,3-cd)pyrene	N.D.	0.0329	0.0288	0.0332	0.0315	87	95	71-120	9	30
Naphthalene	N.D.	0.0329	0.0299	0.0332	0.0294	91	88	76-118	2	30
Phenanthrene	N.D.	0.0329	0.0346	0.0332	0.0366	105	110	78-114	6	30
Pyrene	N.D.	0.0329	0.0258	0.0332	0.0271	78	82	67-116	5	30
Batch number: 16058SLH026 Sample number(s): 8253722-8253741 UNSPK: 8253739										
Acenaphthene	N.D.	0.0329	0.0317	0.0328	0.0320	97	98	72-118	1	30
Acenaphthylene	N.D.	0.0329	0.0289	0.0328	0.0293	88	89	66-115	1	30
Anthracene	N.D.	0.0329	0.0303	0.0328	0.0307	92	94	79-114	2	30
Benzo(a)anthracene	N.D.	0.0329	0.0320	0.0328	0.0328	97	100	75-119	3	30
Benzo(a)pyrene	N.D.	0.0329	0.0308	0.0328	0.0312	94	95	77-114	1	30
Benzo(b)fluoranthene	N.D.	0.0329	0.0330	0.0328	0.0334	101	102	74-140	1	30
Benzo(g,h,i)perylene	N.D.	0.0329	0.0309	0.0328	0.0314	94	96	68-127	1	30
Benzo(k)fluoranthene	N.D.	0.0329	0.0294	0.0328	0.0294	90	90	74-115	0	30
Chrysene	N.D.	0.0329	0.0299	0.0328	0.0310	91	94	71-123	4	30
Dibenz(a,h)anthracene	N.D.	0.0329	0.0311	0.0328	0.0315	95	96	71-126	1	30
Fluoranthene	N.D.	0.0329	0.0295	0.0328	0.0301	90	92	77-118	2	30
Fluorene	N.D.	0.0329	0.0271	0.0328	0.0263	82	80	75-124	3	30
Indeno(1,2,3-cd)pyrene	N.D.	0.0329	0.0305	0.0328	0.0310	93	94	71-120	1	30
Naphthalene	N.D.	0.0329	0.0296	0.0328	0.0295	90	90	76-118	0	30
Phenanthrene	N.D.	0.0329	0.0357	0.0328	0.0360	109	110	78-114	1	30
Pyrene	N.D.	0.0329	0.0264	0.0328	0.0273	80	83	67-116	3	30
Batch number: 16058SLI026 Sample number(s): 8253742-8253750 UNSPK: 8253745										
Acenaphthene	N.D.	0.0331	0.0330	0.0328	0.0317	100	97	72-118	4	30
Acenaphthylene	N.D.	0.0331	0.0282	0.0328	0.0275	85	84	66-115	2	30
Anthracene	N.D.	0.0331	0.0301	0.0328	0.0286	91	87	79-114	5	30
Benzo(a)anthracene	N.D.	0.0331	0.0294	0.0328	0.0286	89	87	75-119	3	30
Benzo(a)pyrene	N.D.	0.0331	0.0295	0.0328	0.0284	89	87	77-114	4	30
Benzo(b)fluoranthene	N.D.	0.0331	0.0300	0.0328	0.0287	91	87	74-140	5	30
Benzo(g,h,i)perylene	N.D.	0.0331	0.0336	0.0328	0.0325	102	99	68-127	4	30
Benzo(k)fluoranthene	N.D.	0.0331	0.0276	0.0328	0.0269	83	82	74-115	3	30
Chrysene	N.D.	0.0331	0.0287	0.0328	0.0279	87	85	71-123	3	30
Dibenz(a,h)anthracene	N.D.	0.0331	0.0337	0.0328	0.0325	102	99	71-126	4	30
Fluoranthene	N.D.	0.0331	0.0290	0.0328	0.0277	88	84	77-118	5	30
Fluorene	N.D.	0.0331	0.0309	0.0328	0.0300	94	92	75-124	3	30
Indeno(1,2,3-cd)pyrene	N.D.	0.0331	0.0328	0.0328	0.0316	99	96	71-120	4	30
Naphthalene	N.D.	0.0331	0.0307	0.0328	0.0294	93	90	76-118	4	30
Phenanthrene	0.000875	0.0331	0.0291	0.0328	0.0279	85	82	78-114	4	30
Pyrene	N.D.	0.0331	0.0282	0.0328	0.0273	85	83	67-116	3	30
Batch number: 16056A16A Sample number(s): 8253702-8253704 UNSPK: 8253702										
TPH-GRO N. CA soil C6-C12	N.D.	11.7	9.89	11.1	9.45	85	85	63-120	5	30
Batch number: 16056A16B Sample number(s): 8253705-8253716,8253719-8253723 UNSPK: 8253702										
TPH-GRO N. CA soil C6-C12	N.D.	11.7	9.89	11.1	9.45	85	85	63-120	5	30
Batch number: 16060B31A Sample number(s): 8253717-8253718,8253724-8253741 UNSPK: 8253717										

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 03/07/2016 23:20

Group Number: 1633818

Analysis Name	Unspiked Conc mg/kg	MS Spike Added mg/kg	MS Conc mg/kg	MSD Spike Added mg/kg	MSD Conc mg/kg	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
TPH-GRO N. CA soil C6-C12	1.66	11.1	10.45	11.5	11.21	79	83	63-120	7	30

## Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX/MTBE 8260 Soil  
Batch number: B160571AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8253702	107	103	100	100
8253703	103	96	101	99
8253704	104	95	101	106
8253706	104	93	100	101
8253709	107	101	101	100
8253710	105	98	100	103
8253711	106	99	100	103
8253713	106	98	100	106
8253716	106	100	99	99
8253717	103	95	102	101
8253718	106	101	100	101
8253723	106	102	99	103
8253724	105	96	99	101
8253725	102	93	99	107
8253727	104	97	102	101
8253728	103	96	101	99
8253729	104	96	100	99
8253730	105	100	99	101
8253731	106	100	99	100
8253732	107	104	98	103
Blank	105	98	101	100
LCS	107	102	101	103
LCSD	105	105	101	103
Limits:	50-141	54-135	52-141	50-131

Analysis Name: BTEX/MTBE 8260 Soil  
Batch number: B160572AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8253734	104	97	102	102
8253735	104	98	101	104
8253736	105	98	100	100
8253737	104	97	102	97
8253738	105	97	101	97
8253739	106	101	100	100
8253740	106	99	100	101
8253741	104	94	100	100
8253742	108	101	99	102
8253743	107	99	99	101
8253744	105	95	106	103

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 03/07/2016 23:20

Group Number: 1633818

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8253745	106	98	100	104
8253746	106	98	100	104
8253747	107	98	100	104
8253748	106	97	100	101
8253749	106	101	98	100
Blank	106	100	100	102
LCS	108	108	100	104
LCSD	109	98	101	104
Limits:	50-141	54-135	52-141	50-131

Analysis Name: BTEX/MTBE 8260 Soil  
Batch number: B160591AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8253708	101	94	101	102
8253712	101	97	102	123
Blank	103	97	101	99
LCS	106	102	102	102
LCSD	104	100	102	108
Limits:	50-141	54-135	52-141	50-131

Analysis Name: BTEX/MTBE 8260 Soil  
Batch number: B160613AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8253726	103	93	109	120
8253733	97	93	113	106
Blank	104	100	100	100
LCS	103	98	103	102
LCSD	103	101	102	102
Limits:	50-141	54-135	52-141	50-131

Analysis Name: BTEX/MTBE 8260 Soil  
Batch number: Q160571AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8253705	94	96	93	95
8253715	92	94	86	88
8253719	88	90	83	89
8253720	81	77	90	110
8253721	84	85	86	93
Blank	107	112	103	102
LCS	104	102	96	100
LCSD	106	105	98	100
MS	99	103	93	95
MSD	93	93	86	88
Limits:	50-141	54-135	52-141	50-131

Analysis Name: BTEX/MTBE 8260 Soil  
Batch number: Q160581AA

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 03/07/2016 23:20

Group Number: 1633818

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8253714	89	79	87	91
8253750	90	89	90	95
Blank	92	96	93	94
LCS	104	105	100	104
LCSD	105	106	101	106
Limits:	50-141	54-135	52-141	50-131

Analysis Name: BTEX/MTBE 8260 Soil  
Batch number: R160611AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8253707	91	92	77	80
8253722	100	100	91	89
Blank	102	105	86	80
LCS	101	101	84	88
LCSD	112	109	95	104
Limits:	50-141	54-135	52-141	50-131

Analysis Name: PAH SIM 8270 Soil Microwave  
Batch number: 16058SLE026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
8253702	57	74	69
8253703	71	87	78
8253704	66	83	75
8253705	76	89	82
8253706	78	88	77
8253707	75	85	83
8253708	80	91	77
8253709	76	88	79
8253710	83	86	77
8253711	76	86	77
8253712	79	91	80
8253713	95	88	79
8253714	84	90	81
8253715	84	87	78
8253716	101	87	78
8253717	70	82	76
8253718	78	73	67
8253719	75	86	80
8253720	101	88	86
8253721	99	85	77
Blank	104	104	91
LCS	91	95	84
MS	70	85	77
MSD	70	91	79
Limits:	51-141	55-128	51-118

Analysis Name: PAH SIM 8270 Soil Microwave  
Batch number: 16058SLH026

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 03/07/2016 23:20

Group Number: 1633818

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
8253722	113	96	106
8253723	85	90	79
8253724	111	94	80
8253725	109	92	81
8253726	109	95	82
8253727	103	95	79
8253728	111	95	82
8253729	108	98	84
8253730	107	96	82
8253731	101	93	79
8253732	104	93	81
8253733	118	97	85
8253734	105	96	84
8253735	106	95	81
8253736	110	100	84
8253737	84	93	83
8253738	81	91	83
8253739	92	90	80
8253740	103	97	84
8253741	106	95	83
Blank	94	96	84
LCS	93	98	84
MS	91	92	81
MSD	91	92	81
Limits:	51-141	55-128	51-118

Analysis Name: PAH SIM 8270 Soil Microwave  
Batch number: 16058SLI026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
8253742	90	87	81
8253743	91	92	83
8253744	85	84	79
8253745	84	85	77
8253746	88	88	81
8253747	90	89	81
8253748	87	85	77
8253749	93	92	82
8253750	96	93	82
Blank	86	83	77
LCS	96	92	83
MS	86	86	79
MSD	84	84	78
Limits:	51-141	55-128	51-118

Analysis Name: TPH-GRO N. CA soil C6-C12  
Batch number: 16056A16A

	Trifluorotoluene-F
8253702	90
8253703	89
8253704	96
Blank	105
LCS	104

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 03/07/2016 23:20

Group Number: 1633818

Trifluorotoluene-F	
MS	94
MSD	93
Limits:	50-142

Analysis Name: TPH-GRO N. CA soil C6-C12  
Batch number: 16056A16B

Trifluorotoluene-F	
8253705	97
8253706	93
8253707	382*
8253708	89
8253709	88
8253710	89
8253711	90
8253712	90
8253713	91
8253714	111
8253715	122
8253716	89
8253719	86
8253720	419*
8253721	253*
8253722	783*
8253723	91
Blank	105
LCS	104
MS	94
MSD	93
Limits:	50-142

Analysis Name: TPH-GRO N. CA soil C6-C12  
Batch number: 16060B31A

Trifluorotoluene-F	
8253717	90
8253718	86
8253724	90
8253725	91
8253726	106
8253727	89
8253728	85
8253729	87
8253730	87
8253731	86
8253732	88
8253733	90
8253734	89
8253735	95
8253736	89
8253737	89
8253738	88
8253739	96
8253740	85

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.



## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 03/07/2016 23:20

Group Number: 1633818

Trifluorotoluene-F	
8253741	85
Blank	100
LCS	101
MS	94
MSD	96

Limits: 50-142

Analysis Name: TPH-GRO N. CA soil C6-C12  
Batch number: 16061A31A

Trifluorotoluene-F	
8253742	89
8253743	88
8253744	94
8253745	86
8253746	86
8253747	83
8253748	88
8253749	86
8253750	93
Blank	99
LCS	107
LCSD	114

Limits: 50-142

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

# Chevron California Region Analysis Request/Chain of Custody



**Lancaster Laboratories Environmental**

Acct. # 10880

For Eurofins Lancaster Laboratories Environmental use only  
 Group # 1633818 Sample # 8253702-50  
Instructions on reverse side correspond with circled numbers.

021916-49

① Client Information				④ Matrix			⑤ Analyses Requested										⑥ Remarks								
Facility # <u>FORMER CHEVRON 93322</u>		WBS		<input type="checkbox"/> Sediment <input type="checkbox"/> Ground <input type="checkbox"/> Surface  <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air			Total Number of Containers BTEX + MTBE 8021 <input checked="" type="checkbox"/> 8260 <input checked="" type="checkbox"/> TPH-GRO 8015 <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> TPH-DRO 8015 without Silica Gel Cleanup <input type="checkbox"/> TPH-DRO 8015 with Silica Gel Cleanup <input type="checkbox"/> 8260 Full Scan Oxygenates Total Lead Method Dissolved Lead Method 16 PRIORITY POLLUTANT PAHS BY 8270 SIM										SCR #: _____								
Site Address <u>7225 BANCROFT AVE, OAKLAND, CA</u>																									
Chevron PM <u>MARK HORNE GHD</u>																									
Lead Consultant <u>EMERYVILLE, CA</u>																									
Consultant/Office <u>NATHAN LEE</u>																									
Consultant Project Mgr. <u>925 849 1003</u>																									
Consultant Phone #																									
Sampler <u>BELEW YIFRU</u>																									
② Sample Identification		Soil Depth	Collected		Grab	Composite	Soil	Water	Oil	Total	BTEX + MTBE	8021	TPH-GRO	8015	TPH-DRO 8015 without Silica Gel Cleanup	TPH-DRO 8015 with Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead Method	Dissolved Lead Method	⑥ Remarks  SEND RESULTS TO:  <u>NATHN.LEE@GHD.COM</u>				
<u>SB-9-3</u>		<u>3</u>	<u>2/16/16</u>	<u>10:15</u>		<input checked="" type="checkbox"/>				<u>1</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>													
<u>SB-9-5</u>		<u>5</u>		<u>10:20</u>																					
<u>SB-9-10</u>		<u>10</u>		<u>10:40</u>																					
<u>SB-9-15</u>		<u>15</u>		<u>10:45</u>																					
<u>SB-9-20</u>		<u>20</u>		<u>10:50</u>																					
<u>SB-9-25</u>		<u>25</u>		<u>10:55</u>																					
<u>SB-9-29.5</u>		<u>29.5</u>		<u>11:10</u>																					
⑦ Turnaround Time Requested (TAT) (please circle)			Relinquished by		Date	Time	Received by		Date	Time	⑨														
<input checked="" type="checkbox"/> Standard    5 day    4 day <input type="checkbox"/> 72 hour <input type="checkbox"/> 48 hour <input type="checkbox"/> 24 hour					<u>2/16/16</u>	<u>15:30</u>	<u>SECURE LOCATION</u>		<u>2/16/16</u>	<u>15:30</u>															
					<u>2/19/16</u>	<u>16:00</u>	<u>A. Salazar</u>		<u>19 FEB 16</u>	<u>16:00</u>															
⑧ Data Package (circle if required)			Relinquished by		Date	Time	Received by		Date	Time															
<input type="checkbox"/> Type I - Full <input type="checkbox"/> Type VI (Raw Data)					<u>22 FEB 16</u>	<u>16:38</u>																			
EDD (circle if required)			Relinquished by Commercial Carrier:		UPS _____ FedEx <input checked="" type="checkbox"/> Other _____		Received by		Date	Time															
<input type="checkbox"/> EDFFLAT (default)    Other: _____									<u>2.23.16</u>	<u>440</u>															
Temperature Upon Receipt <u>6.8-1.4</u> °C										Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No															

# Chevron California Region Analysis Request/Chain of Custody



**Lancaster Laboratories Environmental**

For Eurofins Lancaster Laboratories Environmental use only

Acct. # 10880

Group # 1633818

Sample # 8253702-50

Instructions on reverse side correspond with circled numbers.

821916-46

1 Client Information				4 Matrix				5 Analyses Requested												6 Remarks	
Facility # <span style="float: right;">WBS</span> <u>FORMER CHEVRON 93322</u>				<input type="checkbox"/> Sediment <input type="checkbox"/> Ground <input type="checkbox"/> Surface  <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air				Total Number of Containers BTEX + MTBE 8021 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> TPH-GRO 8015 <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> TPH-DRO 8015 without Silica Gel Cleanup <input type="checkbox"/> TPH-DRO 8015 with Silica Gel Cleanup <input type="checkbox"/> 8260 Full Scan Oxygenates Total Lead Method _____ Dissolved Lead Method _____ 16 PRIORITY POLLUTANT PATHS BY 8270 SIM												SCR #: _____  <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits	
Site Address <u>7225 BANCROFT AVE, OAKLAND, CA</u>																					
Chevron PM <span style="float: right;">Lead Consultant</span> <u>MARK HORNE</u> <span style="float: right;"><u>GHD</u></span>																					
Consultant/Office <u>EMERYVILLE, CA</u>																					
Consultant Project Mgr. <u>NATHAN LEE</u>																					
Consultant Phone # <u>925 849 1003</u>																					
Sampler <u>BELEW YIFRU</u>																					
2 Sample Identification		Soil Depth		Collected		3 Grab	Composite														
				Date	Time																
<u>SB-12-3</u>		<u>3</u>		<u>2/16/16</u>	<u>12:45</u>															7 SEND RESULTS TO: @ <u>NATHAN.LEE@GHD.COM</u>	
<u>SB-12-5</u>		<u>5</u>			<u>12:50</u>																
<u>SB-12-10</u>		<u>10</u>			<u>13:05</u>																
<u>SB-12-15</u>		<u>15</u>			<u>13:15</u>																
<u>SB-12-20</u>		<u>20</u>			<u>13:20</u>																
<u>SB-12-25</u>		<u>25</u>			<u>13:25</u>																
<u>SB-12-29.5</u>		<u>29.5</u>			<u>13:30</u>																
7 Turnaround Time Requested (TAT) (please circle)				Relinquished by <u>[Signature]</u>				Date <u>2/16/16</u>	Time <u>15:30</u>	Received by <u>SECURE LOCATION</u>				Date <u>2/16/16</u>	Time <u>15:30</u>	9					
<input checked="" type="radio"/> Standard    5 day    4 day 72 hour    48 hour    24 hour				Relinquished by <u>[Signature]</u>				Date <u>2/19/16</u>	Time <u>16:00</u>	Received by <u>[Signature]</u>				Date <u>19 FEB 16</u>	Time <u>16:00</u>						
8 Data Package (circle if required)				Relinquished by <u>[Signature]</u>				Date <u>22 FEB 16</u>	Time <u>16:38</u>	Received by <u>[Signature]</u>				Date	Time						
Type I - Full    Type VI (Raw Data)				Relinquished by Commercial Carrier:				UPS _____ FedEx <input checked="" type="checkbox"/> Other _____				Received by <u>[Signature]</u> Date <u>2-23-16</u> Time <u>9:00</u>									
EDD (circle if required) EDFFLAT (default)    Other: _____				Temperature Upon Receipt <u>0.3-4.4</u> °C				Custody Seals Intact?    Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													

# Chevron California Region Analysis Request/Chain of Custody



**Lancaster Laboratories Environmental**

Acct. # 10880

For Eurofins Lancaster Laboratories Environmental use only

Group # 1633818

Sample # 8153702-50

Instructions on reverse side correspond with circled numbers.

1916-05

1 Client Information				4 Matrix				5 Analyses Requested										6 Remarks					
Facility # <u>FORMER CHEVRON 93322</u>				<input type="checkbox"/> Sediment <input type="checkbox"/> Ground <input type="checkbox"/> Surface  <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air  <input checked="" type="checkbox"/> Composite <input type="checkbox"/> Soil <input type="checkbox"/> Water <input type="checkbox"/> Oil				Total Number of Containers BTEX + MTBE 8021 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> TPH-GRO 8015 <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> TPH-DRO 8015 without Silica Gel Cleanup <input type="checkbox"/> TPH-DRO 8015 with Silica Gel Cleanup <input type="checkbox"/> 8260 Full Scan Oxygenates Total Lead Method Dissolved Lead Method 16 PRIORITY POLUTANT PAHs BY 8270 SIM										SCR #: _____					
Site Address <u>7225 BANCROFT AVE, OAKLAND, CA</u>																							
Chevron PM <u>MARK HORNE</u> Lead Consultant <u>GHD</u>																							
Consultant/Office <u>EMERYVILLE CA</u>																							
Consultant Project Mgr. <u>NATHAN LEE</u>																							
Consultant Phone # <u>925 849 1003</u>																							
Sampler <u>BELEN YIFRU</u>																							
2 Sample Identification		3 Soil		Date		Time		Grab		Composite		Soil		Water		Oil		Total Lead		Dissolved Lead		Method	
<u>SB-13-3</u>		<u>3</u>		<u>2/17/16</u>		<u>8:55</u>						<input checked="" type="checkbox"/>											
<u>SB-13-5</u>		<u>5</u>				<u>9:00</u>																	
<u>SB-13-10</u>		<u>10</u>				<u>9:10</u>																	
<u>SB-13-15</u>		<u>15</u>				<u>9:20</u>																	
<u>SB-13-20</u>		<u>20</u>				<u>9:25</u>																	
<u>SB-13-25</u>		<u>25</u>				<u>9:30</u>																	
<u>SB-13-29.5</u>		<u>29.5</u>				<u>9:35</u>																	
7 Turnaround Time Requested (TAT) (please circle)				Relinquished by <u>[Signature]</u>				Date <u>2/17/16</u>		Time <u>15:30</u>		Received by <u>SECURE LOCATION</u>				Date <u>2/17/16</u>		Time <u>15:30</u>					
<input checked="" type="radio"/> Standard 5 day 4 day <input type="radio"/> 72 hour 48 hour 24 hour				Relinquished by <u>[Signature]</u>				Date <u>2/19/16</u>		Time <u>16:00</u>		Received by <u>A. Salazar</u>				Date <u>19 FEB 16</u>		Time <u>16:00</u>					
8 Data Package (circle if required)				Relinquished by <u>[Signature]</u>				Date <u>22 FEB 16</u>		Time <u>16:30</u>		Received by <u>FX</u>				Date		Time					
<input type="radio"/> Type I - Full <input type="radio"/> Type VI (Raw Data)				Relinquished by Commercial Carrier:				UPS _____ FedEx <input checked="" type="checkbox"/> Other _____				Received by <u>[Signature]</u>				Date <u>2.22.16</u>		Time <u>9:00</u>					
EDD (circle if required)				Temperature Upon Receipt <u>0.8-1.4</u> °C				Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No															
EDFFLAT (default) Other: _____																							

# Chevron California Region Analysis Request/Chain of Custody



**Lancaster Laboratories Environmental**

Acct. # 10880 For Eurofins Lancaster Laboratories Environmental use only  
 Group # 1633818 Sample # 8253702-5D  
Instructions on reverse side correspond with circled numbers.

*021916-11*

1 Client Information				4 Matrix				5 Analyses Requested												6 Remarks							
Facility # <u>FORMER CHEVRON 93322</u>				<input type="checkbox"/> Sediment <input type="checkbox"/> Potable <input type="checkbox"/> Ground <input type="checkbox"/> NPDES <input type="checkbox"/> Surface <input type="checkbox"/> Oil <input type="checkbox"/> Air <input checked="" type="checkbox"/> Soil <input type="checkbox"/> Water <input type="checkbox"/> Total Number of Containers				Total Number of Containers: 8260 <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 8260 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> TPH-DRO 8015 without Silica Gel Cleanup <input type="checkbox"/> TPH-DRO 8015 with Silica Gel Cleanup <input type="checkbox"/> 8260 Full Scan Oxygenates Total Lead Method Dissolved Lead Method 16 PRIORITY POLUTANT PAHS BY 8270 SIM												SCR #: _____							
Site Address <u>7225 BANCROFT AVE., OAKLAND CA</u>																											
Chevron PM <u>MARK HORNE</u> Lead Consultant <u>GHD</u>																											
Consultant/Office <u>EMERYVILLE, CA</u>																											
Consultant Project Mgr. <u>NATHN LEE</u>																											
Consultant Phone # <u>925 849 1003</u>																											
Sampler <u>BELEW YIFRU</u>																											
2 Sample Identification		3 Soil		Grab		Composite														6							
		Depth	Collected																		9						
				Date	Time																						
<u>SB-7-3</u>		<u>3</u>	<u>2/17/16</u>	<u>1015</u>																	<u>SEND RESULTS T</u>						
<u>SB-7-5</u>		<u>5</u>		<u>1025</u>																	<u>NATHAN.LEE@GHD.COM</u>						
<u>SB-7-10</u>		<u>10</u>		<u>1035</u>																							
<u>SB-7-15</u>		<u>15</u>		<u>1040</u>																							
<u>SB-7-20</u>		<u>20</u>		<u>1050</u>																							
<u>SB-7-25</u>		<u>25</u>		<u>1055</u>																							
<u>SB-7-29.5</u>		<u>29.5</u>	<u>↓</u>	<u>1100</u>																							
7 Turnaround Time Requested (TAT) (please circle)				Relinquished by				Date				Time				Received by				Date				Time			
<u>Standard</u> 5 day 4 day				<u>[Signature]</u>				<u>7/17/16</u>				<u>15:30</u>				<u>SECURE LOCATION</u>				<u>7/17/16</u>				<u>15:30</u>			
72 hour 48 hour 24 hour				<u>[Signature]</u>				<u>2/19/16</u>				<u>16:00</u>				<u>A. Anlyon</u>				<u>19 FEB 16</u>				<u>16:00</u>			
8 Data Package (circle if required)				Relinquished by				Date				Time				Received by				Date				Time			
Type I - Full Type VI (Raw Data)				<u>A. Anlyon</u>				<u>22 FEB 16</u>				<u>16:30</u>				<u>FX</u>											
EDD (circle if required)				Relinquished by Commercial Carrier:				UPS _____ FedEx <u>X</u> Other _____				Received by				Date				Time							
EDFFLAT (default) Other: _____												<u>[Signature]</u>				<u>2.2.16</u>				<u>940</u>							
Temperature Upon Receipt <u>08-14</u> °C												Custody Seals Intact? <u>(Yes)</u> No															

# Chevron California Region Analysis Request/Chain of Custody



Lancaster Laboratories Environmental

Acct. # 10880

For Eurofins Lancaster Laboratories Environmental use only  
 Group # 1633818 Sample # 8253702-50  
Instructions on reverse side correspond with circled numbers.

02-19-16-14

1 Client Information				4 Matrix			5 Analyses Requested										6 Remarks				
Facility # <u>FORMER CHEVRON 9332 Z</u> Site Address <u>7225 BANCROFT AVE, OAKLAND, CA</u> Chevron PM <u>MARK HORNE</u> Lead Consultant <u>GHD</u> Consultant/Office <u>EMERYVILLE, CA</u> Consultant Project Mgr. <u>NATHAN LEE</u> Consultant Phone # <u>925 849 1003</u> Sampler <u>BELEW YIFRU</u>				<input type="checkbox"/> Sediment <input type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air			Total Number of Containers BTEX + MTBE 8021 <input checked="" type="checkbox"/> 8260 <input checked="" type="checkbox"/> TPH-GRO 8015 <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> TPH-DRO 8015 without Silica Gel Cleanup <input type="checkbox"/> TPH-DRO 8015 with Silica Gel Cleanup <input type="checkbox"/> 8260 Full Scan Oxygenates Total Lead Method Dissolved Lead Method <u>16 PRIORITY POLUTANT PAHS BY 8270 SIM</u>										SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits				
2 Sample Identification		3 Soil Depth	3 Collected Date		3 Grab	3 Composite	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE 8021	TPH-GRO 8015	TPH-DRO 8015 without Silica Gel Cleanup	TPH-DRO 8015 with Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead Method	Dissolved Lead Method	6 Remarks		
<u>SB-8-3</u>		<u>3</u>	<u>2/17/16 1225</u>				<input checked="" type="checkbox"/>			<u>1</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							SEND RESULTS TO: <u>NATHN.LEE@GHD.COM</u>		
<u>SB-8-5</u>		<u>5</u>	<u>1235</u>																		
<u>SB-8-10</u>		<u>10</u>	<u>1305</u>																		
<u>SB-8-15</u>		<u>15</u>	<u>1310</u>																		
<u>SB-8-20</u>		<u>20</u>	<u>1315</u>																		
<u>SB-8-25</u>		<u>25</u>	<u>1325</u>																		
<u>SB-8-29.5</u>		<u>29.5</u>	<u>1330</u>																		
7 Turnaround Time Requested (TAT) (please circle) <input checked="" type="radio"/> Standard 5 day    4 day 72 hour    48 hour    24 hour				Relinquished by <u>[Signature]</u> Date <u>2/17/16</u> Time <u>15:30</u>		Received by <u>SECURE LOCATION</u> Date <u>2/17/16</u> Time <u>15:36</u>		Relinquished by <u>[Signature]</u> Date <u>2/19/16</u> Time <u>16:00</u>		Received by <u>A. Salazar</u> Date <u>19 FEB 16</u> Time <u>16:00</u>		Relinquished by <u>A. Salazar</u> Date <u>22 FEB 16</u> Time <u>16:30</u>		Received by <u>FX</u>		Relinquished by Commercial Carrier: UPS _____ FedEx <u>+</u> Other _____		Received by <u>[Signature]</u> Date <u>2-23-16</u> Time <u>9:40</u>		Temperature Upon Receipt <u>0.8 -1.2</u> °C    Custody Seals Intact? <input checked="" type="checkbox"/> Yes    No	
8 Data Package (circle if required) Type I - Full    Type VI (Raw Data)				Relinquished by <u>A. Salazar</u> Date <u>22 FEB 16</u> Time <u>16:30</u>		Received by <u>FX</u>		Relinquished by Commercial Carrier: UPS _____ FedEx <u>+</u> Other _____		Received by <u>[Signature]</u> Date <u>2-23-16</u> Time <u>9:40</u>		Relinquished by Commercial Carrier: UPS _____ FedEx <u>+</u> Other _____		Received by <u>[Signature]</u> Date <u>2-23-16</u> Time <u>9:40</u>		Temperature Upon Receipt <u>0.8 -1.2</u> °C    Custody Seals Intact? <input checked="" type="checkbox"/> Yes    No		9			



# Chevron California Region Analysis Request/Chain of Custody



**Lancaster Laboratories Environmental**

Acct. # 10880

For Eurofins Lancaster Laboratories Environmental use only  
 Group # 1633818 Sample # 8253702-50  
Instructions on reverse side correspond with circled numbers.

02-1916-07

1 Client Information				4 Matrix				5 Analyses Requested										6 Remarks			
Facility # <u>FORMER CHEVRON 93322</u> WBS				<input type="checkbox"/> Sediment <input type="checkbox"/> Ground <input type="checkbox"/> Surface  <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air  <input checked="" type="checkbox"/> Soil  Total Number of Containers: _____				<input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 8021 <input checked="" type="checkbox"/> 8015 <input type="checkbox"/> TPH-DRO 8015 without Silica Gel Cleanup <input type="checkbox"/> TPH-DRO 8015 with Silica Gel Cleanup <input type="checkbox"/> 8260 Full Scan Oxygenates Total Lead Method Dissolved Lead Method 16 PRIORITY POLLUTANT PATHS BY 8270 SIM										SCR #: _____			
Site Address <u>7225 BANCROFT AVE OAKLAND CA</u>								Grab <input type="checkbox"/> Composite <input checked="" type="checkbox"/>												<input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits	
Chevron PM <u>MARK HORNE</u> Lead Consultant <u>GHD</u>																					
Consultant/Office <u>EMERYVILLE</u>																					
Consultant Project Mgr. <u>NATHAN LEE</u>																					
Consultant Phone # <u>925 849 1003</u>																					
Sampler <u>BELEW YIFRU</u>																					
2 Sample Identification		3 Soil Depth	Collected																		
			Date	Time																	
<u>SB-11-3</u>		<u>3</u>	<u>2/18/16</u>	<u>7:20</u>											<u>SEND RESULTS TO:</u>						
<u>SB-11-5</u>		<u>5</u>		<u>8:25</u>											<u>NATHAN.LEE@GHD.COM</u>						
<u>SB-11-10</u>		<u>10</u>		<u>8:35</u>																	
<u>SB-11-15</u>		<u>15</u>		<u>8:40</u>																	
<u>SB-11-20</u>		<u>20</u>		<u>8:45</u>																	
<u>SB-11-25</u>		<u>25</u>		<u>8:50</u>																	
<u>SB-11-29.5</u>		<u>29.5</u>		<u>8:55</u>																	
7 Turnaround Time Requested (TAT) (please circle)					Relinquished by		Date	Time	Received by		Date	Time	9								
<input checked="" type="radio"/> Standard    5 day    4 day <input type="radio"/> 72 hour    48 hour    24 hour					<u>[Signature]</u>		<u>2/18/16</u>	<u>14:00</u>	<u>SECURE LOCATION</u>		<u>2/18/16</u>	<u>14:00</u>									
					<u>[Signature]</u>		<u>2/19/16</u>	<u>16:00</u>	<u>[Signature]</u>		<u>19 FEB 16</u>	<u>16:00</u>									
8 Data Package (circle if required)					Relinquished by		Date	Time	Received by		Date	Time									
<input type="radio"/> Type I - Full <input type="radio"/> Type VI (Raw Data)					<u>[Signature]</u>		<u>22 FEB 16</u>	<u>16:30</u>	<u>FX</u>												
EDD (circle if required)					Relinquished by Commercial Carrier:		UPS _____ FedEx <input checked="" type="checkbox"/> Other _____		Received by		Date	Time									
<input type="radio"/> EDFFLAT (default)    Other: _____									<u>[Signature]</u>		<u>2-23-16</u>	<u>9:40</u>									
Temperature Upon Receipt <u>0.8-1.4</u> °C										Custody Seals Intact? <input checked="" type="radio"/> Yes <input type="radio"/> No											

# Chevron California Region Analysis Request/Chain of Custody



**Lancaster Laboratories Environmental**

Acct. # 10880

For Eurofins Lancaster Laboratories Environmental use only

Group # 1633818

Sample # 8253702-50

Instructions on reverse side correspond with circled numbers.

01916-08

1 Client Information				4 Matrix				5 Analyses Requested										6 Remarks					
Facility # <span style="float: right;">WBS</span> <u>FORMER CHEVRON 93322</u>				<input type="checkbox"/> Sediment <input type="checkbox"/> Potable <input type="checkbox"/> Ground <input type="checkbox"/> NPDES <input type="checkbox"/> Surface <input type="checkbox"/> Oil <input type="checkbox"/> Air <input checked="" type="checkbox"/> Composite				Total Number of Containers BTEX + MTBE 8021 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> TPH-GRO 8015 <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> TPH-DRO 8015 without Silica Gel Cleanup <input type="checkbox"/> TPH-DRO 8015 with Silica Gel Cleanup <input type="checkbox"/> 8260 Full Scan Oxygenates Total Lead Method Dissolved Lead Method <u>16 PRIORITY POLUTANT PAHS BY 8270 SIM</u>										SCR #: _____					
Site Address <u>7225 BANCROFT AVE, OAKLAND CA</u>																							
Chevron PM <span style="float: right;">Lead Consultant</span> <u>MARK HORNE</u> <span style="float: right;"><u>GHD</u></span>																							
Consultant/Office <u>EMERYVILLE CA</u>																							
Consultant Project Mgr. <u>NATHN LEE</u>																							
Consultant Phone # <u>925 849 1003</u>																							
Sampler _____																							
2 Sample Identification		Soil Depth	Collected		3 Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE 8021	TPH-GRO 8015	TPH-DRO 8015 without Silica Gel Cleanup	TPH-DRO 8015 with Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead Method	Dissolved Lead Method					
			Date	Time																			
<u>SB-10-3</u>		<u>3</u>	<u>2/18/16</u>	<u>1035</u>						<u>1</u>	<u>X</u>	<u>X</u>								<u>X</u>	SEND RESULTS TO: <u>NATHAN.LEE@GHD.COM</u>		
<u>SB-10-5</u>		<u>5</u>		<u>1040</u>																			
<u>SB-10-10</u>		<u>10</u>		<u>1055</u>																			
<u>SB-10-15</u>		<u>15</u>		<u>1100</u>																			
<u>SB-10-20</u>		<u>20</u>		<u>1105</u>																			
<u>SB-10-25</u>		<u>25</u>		<u>1110</u>																			
<u>SB-10-29.5</u>		<u>29.5</u>	↓	<u>1115</u>																			
7 Turnaround Time Requested (TAT) (please circle)				Relinquished by				Date		Time		Received by				Date		Time					
<input checked="" type="radio"/> Standard    5 day    4 day <input type="radio"/> 72 hour <input type="radio"/> 48 hour <input type="radio"/> 24 hour				<u>[Signature]</u>				<u>2/18/16</u>		<u>14:00</u>		<u>SECURE LOCATION</u>				<u>2/18/16</u>		<u>14:00</u>					
8 Data Package (circle if required)				Relinquished by				Date		Time		Received by				Date		Time					
<input type="radio"/> Type I - Full <input type="radio"/> Type VI (Raw Data)				<u>[Signature]</u>				<u>22 FEB 16</u>		<u>1638</u>		<u>[Signature]</u>				<u>19 FEB 16</u>		<u>1638</u>					
EDD (circle if required)				Relinquished by Commercial Carrier:				UPS _____ FedEx <input checked="" type="checkbox"/> Other _____				Received by				Date		Time					
EDFFLAT (default)    Other: _____												<u>[Signature]</u>				<u>2-23-16</u>		<u>940</u>					
Temperature Upon Receipt <u>0.8-1.4</u> °C										Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No													

Client: CA Office

**Delivery and Receipt Information**

Delivery Method: BASC Arrival Timestamp: 02/23/2016 9:40  
 Number of Packages: 4 Number of Projects: 4  
 State/Province of Origin: CA

**Arrival Condition Summary**

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace ≥ 6mm:	No
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	0
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Timothy Cubberley (6520) at 11:24 on 02/23/2016

**Samples Chilled Details: 20150028**

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	1.7	DT	Wet	Y	Bagged	N
2	DT131	1.2	DT	Wet	Y	Bagged	N
3	DT131	0.8	DT	Wet	Y	Bagged	N
4	DT131	1.4	DT	Wet	Y	Bagged	N

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>RL</b>	Reporting Limit	<b>BMQL</b>	Below Minimum Quantitation Level
<b>N.D.</b>	none detected	<b>MPN</b>	Most Probable Number
<b>TNTC</b>	Too Numerous To Count	<b>CP Units</b>	cobalt-chloroplatinate units
<b>IU</b>	International Units	<b>NTU</b>	nephelometric turbidity units
<b>umhos/cm</b>	micromhos/cm	<b>ng</b>	nanogram(s)
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>µg</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>mL</b>	milliliter(s)	<b>L</b>	liter(s)
<b>m<sup>3</sup></b>	cubic meter(s)	<b>µL</b>	microliter(s)
		<b>pg/L</b>	picogram/liter
<b>&lt;</b>	less than		
<b>&gt;</b>	greater than		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## Laboratory Data Qualifiers:

- B - Analyte detected in the blank
- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value  $\geq$  the Method Detection Limit (MDL or DL) and  $<$  the Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column  $>40\%$ . The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column  $>100\%$ . The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

## Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

## ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

February 29, 2016

**Project: 93322**

Submittal Date: 02/23/2016  
Group Number: 1633826  
PO Number: 0015197498  
Release Number: HORNE  
State of Sample Origin: CA

Client Sample Description

SB-9-W-160216 Grab Groundwater  
SB-8-W-160217 Grab Groundwater  
SB-11-W-160218 Grab Groundwater

Lancaster Labs (LL) #

8253764  
8253765  
8253766

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

ELECTRONIC COPY TO  
ELECTRONIC COPY TO  
ELECTRONIC COPY TO

CRA

Chevron

Attn: Nathan Lee

Attn: GHD EDD

Respectfully Submitted,



Amek Carter  
Specialist

(717) 556-7252



Sample Description: SB-9-W-160216 Grab Groundwater  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # WW 8253764  
LL Group # 1633826  
Account # 10880

Project Name: 93322

Collected: 02/16/2016 11:30 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 02/29/2016 20:16

33229

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10945	Benzene	71-43-2	1,400	ug/l	ug/l	
10945	Ethylbenzene	100-41-4	430	ug/l	ug/l	20
10945	Methyl Tertiary Butyl Ether	1634-04-4	97	ug/l	ug/l	20
10945	Toluene	108-88-3	360	ug/l	ug/l	20
10945	Xylene (Total)	1330-20-7	370	ug/l	ug/l	20
<b>GC Volatiles SW-846 8015B</b>						
01728	TPH-GRO N. CA water C6-C12	n.a.	17,000	ug/l	ug/l	20

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/MTBE	SW-846 8260B	1	P160562AA	02/25/2016 17:40	Brett W Kenyon	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P160562AA	02/25/2016 17:40	Brett W Kenyon	20
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	16054B94A	02/25/2016 23:13	Jeremy C Giffin	20
01146	GC VOA Water Prep	SW-846 5030B	1	16054B94A	02/25/2016 23:13	Jeremy C Giffin	20

\*=This limit was used in the evaluation of the final result

Sample Description: SB-8-W-160217 Grab Groundwater  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # WW 8253765  
LL Group # 1633826  
Account # 10880

Project Name: 93322

Collected: 02/17/2016 13:50 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 02/29/2016 20:16

33228

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10945	Benzene	71-43-2	3	ug/l 0.5	ug/l 1	1
10945	Ethylbenzene	100-41-4	4	0.5	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	1	0.5	1	1
10945	Toluene	108-88-3	N.D.	0.5	1	1
10945	Xylene (Total)	1330-20-7	1 J	0.5	1	1
<b>GC Volatiles SW-846 8015B</b>						
01728	TPH-GRO N. CA water C6-C12	n.a.	1,700	ug/l 250	ug/l 500	5

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/MTBE	SW-846 8260B	1	P160562AA	02/25/2016 14:59	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P160562AA	02/25/2016 14:59	Brett W Kenyon	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	16056B53A	02/27/2016 17:51	Marie D Beamenderfer	5
01146	GC VOA Water Prep	SW-846 5030B	1	16056B53A	02/27/2016 17:51	Marie D Beamenderfer	5

\*=This limit was used in the evaluation of the final result

Sample Description: SB-11-W-160218 Grab Groundwater  
Facility# 93322 CRAW  
7225 Bancroft-Oakland T0600102079

LL Sample # WW 8253766  
LL Group # 1633826  
Account # 10880

Project Name: 93322

Collected: 02/18/2016 09:40 by BY

ChevronTexaco

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 02/23/2016 09:40

Reported: 02/29/2016 20:16

32211

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10945	Benzene	71-43-2	N.D.	ug/l 0.5	ug/l 1	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
10945	Toluene	108-88-3	N.D.	0.5	1	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1	1
<b>GC Volatiles SW-846 8015B</b>						
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	ug/l 50	ug/l 100	1

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/MTBE	SW-846 8260B	1	P160562AA	02/25/2016 15:22	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P160562AA	02/25/2016 15:22	Brett W Kenyon	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	16056B53A	02/27/2016 14:09	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	16056B53A	02/27/2016 14:09	Marie D Beamenderfer	1

\*=This limit was used in the evaluation of the final result

## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 02/29/2016 20:16

Group Number: 1633826

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

### Method Blank

Analysis Name	Result	MDL**	LOQ
	ug/l	ug/l	ug/l
Batch number: P160562AA	Sample number(s): 8253764-8253766		
Benzene	N.D.	0.5	1
Ethylbenzene	N.D.	0.5	1
Methyl Tertiary Butyl Ether	N.D.	0.5	1
Toluene	N.D.	0.5	1
Xylene (Total)	N.D.	0.5	1
Batch number: 16054B94A	Sample number(s): 8253764		
TPH-GRO N. CA water C6-C12	N.D.	50	100
Batch number: 16056B53A	Sample number(s): 8253765-8253766		
TPH-GRO N. CA water C6-C12	N.D.	50	100

### LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	ug/l	ug/l	ug/l	ug/l					
Batch number: P160562AA	Sample number(s): 8253764-8253766								
Benzene	20	18.25	20	17.87	91	89	78-120	2	30
Ethylbenzene	20	18.78	20	18.52	94	93	78-120	1	30
Methyl Tertiary Butyl Ether	20	18.23	20	17.06	91	85	75-120	7	30
Toluene	20	18.88	20	18.12	94	91	80-120	4	30
Xylene (Total)	60	56.81	60	56.04	95	93	80-120	1	30
	ug/l	ug/l	ug/l	ug/l					
Batch number: 16054B94A	Sample number(s): 8253764								
TPH-GRO N. CA water C6-C12	1100	1050.23	1100	1067	95	97	77-120	2	30
Batch number: 16056B53A	Sample number(s): 8253765-8253766								
TPH-GRO N. CA water C6-C12	1100	1005.71	1100	967.79	91	88	77-120	4	30

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 02/29/2016 20:16

Group Number: 1633826

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX/MTBE  
Batch number: P160562AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8253764	97	101	101	96
8253765	98	100	101	100
8253766	99	100	101	96
Blank	98	101	102	97
LCS	96	101	101	98
LCSD	99	101	102	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-GRO N. CA water C6-C12  
Batch number: 16054B94A

	Trifluorotoluene-F
8253764	94
Blank	81
LCS	94
LCSD	96
Limits:	63-135

Analysis Name: TPH-GRO N. CA water C6-C12  
Batch number: 16056B53A

	Trifluorotoluene-F
8253765	100
8253766	107
Blank	109
LCS	104
LCSD	104
Limits:	63-135

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

# Chevron California Region Analysis Request/Chain of Custody



**eurofins**

**Lancaster Laboratories  
Environmental**

Acct. # 10880

For Eurofins Lancaster Laboratories Environmental use only  
Group # 1633826 Sample # 8253764-66  
Instructions on reverse side correspond with circled numbers.

021916-04

1 Client Information				4 Matrix			5 Analyses Requested										6 Remarks															
Facility # <span style="float: right;">WBS</span> <b>FORMER CHEVRON 93322</b>				Sediment <input type="checkbox"/> Ground <input checked="" type="checkbox"/> Surface <input type="checkbox"/>  Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air <input type="checkbox"/>	Total Number of Containers BTEX + MTBE 8021 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> TPH-GRO 8015 <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> TPH-DRO 8015 without Silica Gel Cleanup <input type="checkbox"/> TPH-DRO 8015 with Silica Gel Cleanup <input type="checkbox"/> 8260 Full Scan <input type="checkbox"/> Oxygenates <input type="checkbox"/> Total Lead Method <input type="checkbox"/> Dissolved Lead Method <input type="checkbox"/>	SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits										16 PRIORITY POLLUTANT PAHS BY 8270 SIM																
Site Address <b>7225 BANCROFT AVE., OAKLAND, CA</b>																																
Chevron PM <span style="float: right;">Lead Consultant</span> <b>MARK HORNE</b>																																
Consultant/Office <b>EMERYVILLE CA</b>																																
Consultant Project Mgr. <b>NATHAN LEE</b>																																
Consultant Phone # <b>925 849 1003</b>																																
Sampler <b>BELEW YIFRU</b>				3	Composite																											
2 Sample Identification		Soil Depth	Collected		Grab	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE 8021	8260	TPH-GRO 8015	TPH-DRO 8015 without Silica Gel Cleanup	TPH-DRO 8015 with Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead Method	Dissolved Lead Method	6													
			Date	Time															Remarks													
SB-9-W			2/16/16	11:30	X				6	X	X								X	PLEASE SEND RESULTS TO: NATHAN.LEE@GHD.COM												
SB-8-W			2/17/16	13:50	X				6	X	X							X														
SB-11-W			2/18/16	09:40	X				6	X	X							X														
7 Turnaround Time Requested (TAT) (please circle)			Relinquished by		Date	Time	Received by		Date	Time	Relinquished by		Date	Time	Received by		Date	Time	Relinquished by		Date	Time	Received by		Date	Time	Relinquished by Commercial Carrier:		Temperature Upon Receipt <u>1.8</u> °C		Custody Seals Intact? <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Yes</span>	
Standard <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">5 day</span> 4 day 72 hour    48 hour    24 hour			2/18/16    13:45    SECURE LOCATION    2/18/16    13:45		2/19/16    16:00    A. Salazar    19 FEB 16    16:00		22 FEB 16    16:34    FX		2-23-16    940		UPS _____ FedEx <input checked="" type="checkbox"/> Other _____		Yes    No																			
8 Data Package (circle if required)			Type I - Full    Type VI (Raw Data)		EDD (circle if required)		EDFFLAT (default)    Other: _____																									



Client: CA Office

**Delivery and Receipt Information**

Delivery Method:	<u>BASC</u>	Arrival Timestamp:	<u>02/23/2016 9:40</u>
Number of Packages:	<u>4</u>	Number of Projects:	<u>4</u>
State/Province of Origin:	<u>CA</u>		

**Arrival Condition Summary**

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace $\geq$ 6mm:	No
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	0
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Timothy Cubberley (6520) at 11:24 on 02/23/2016

**Samples Chilled Details: 20150028**

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	1.7	DT	Wet	Y	Bagged	N
2	DT131	1.2	DT	Wet	Y	Bagged	N
3	DT131	0.8	DT	Wet	Y	Bagged	N
4	DT131	1.4	DT	Wet	Y	Bagged	N

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>RL</b>	Reporting Limit	<b>BMQL</b>	Below Minimum Quantitation Level
<b>N.D.</b>	none detected	<b>MPN</b>	Most Probable Number
<b>TNTC</b>	Too Numerous To Count	<b>CP Units</b>	cobalt-chloroplatinate units
<b>IU</b>	International Units	<b>NTU</b>	nephelometric turbidity units
<b>umhos/cm</b>	micromhos/cm	<b>ng</b>	nanogram(s)
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>µg</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>mL</b>	milliliter(s)	<b>L</b>	liter(s)
<b>m<sup>3</sup></b>	cubic meter(s)	<b>µL</b>	microliter(s)
		<b>pg/L</b>	picogram/liter
<b>&lt;</b>	less than		
<b>&gt;</b>	greater than		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## Laboratory Data Qualifiers:

- B - Analyte detected in the blank
- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value  $\geq$  the Method Detection Limit (MDL or DL) and  $<$  the Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column  $>40\%$ . The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column  $>100\%$ . The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

## Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

## ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

Chevron  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

January 12, 2016

**Project: 93322**

Submittal Date: 12/31/2015  
Group Number: 1620805  
PO Number: 0015166637  
Release Number: HORNE  
State of Sample Origin: CA

<u>Client Sample Description</u>	<u>Lancaster Labs (LL) #</u>
QA-T-151229 NA Water	8193485
MW-1-W-151229 NA Water	8193486
MW-2-W-151229 NA Water	8193487
MW-4-W-151229 NA Water	8193488
MW-6-W-151229 NA Water	8193489
MW-7-W-151229 NA Water	8193490
MW-8-W-151229 NA Water	8193491

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

ELECTRONIC COPY TO	CRA	Attn: Nathan Lee
ELECTRONIC COPY TO	Chevron	Attn: Anna Avina
ELECTRONIC COPY TO	Blaine Tech Services, Inc.	Attn: Dustin Becker
ELECTRONIC COPY TO	Chevron	Attn: Report Contact

Respectfully Submitted,



Amek Carter  
Specialist

(717) 556-7252

Sample Description: QA-T-151229 NA Water  
Facility# 93322 BTST  
7225 Bancroft Ave-Oakland T0600102079

LL Sample # WW 8193485  
LL Group # 1620805  
Account # 10991

Project Name: 93322

Collected: 12/29/2015 14:00

Chevron

Submitted: 12/31/2015 11:50

6001 Bollinger Canyon Rd L4310

Reported: 01/12/2016 19:23

San Ramon CA 94583

BAOQA

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
10945	Benzene	71-43-2	N.D.	0.5	1	1
10945	C6-C12-TPH-GRO	n.a.	N.D.	22	50	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10945	Toluene	108-88-3	N.D.	0.5	1	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1	1

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	8260 BTEX+ GRO C6-C12	SW-846 8260B	1	F160081AA	01/08/2016 09:05	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F160081AA	01/08/2016 09:05	Anita M Dale	1

\*=This limit was used in the evaluation of the final result

Sample Description: MW-1-W-151229 NA Water  
Facility# 93322 BTST  
7225 Bancroft Ave-Oakland T0600102079

LL Sample # WW 8193486  
LL Group # 1620805  
Account # 10991

Project Name: 93322

Collected: 12/29/2015 14:27 by JG

Chevron  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 12/31/2015 11:50

Reported: 01/12/2016 19:23

BAO01

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
10945	Benzene	71-43-2	7,800	25	50	50
10945	C6-C12-TPH-GRO	n.a.	84,000	1,100	2,500	50
10945	Ethanol	64-17-5	N.D.	2,500	13,000	50
10945	Ethylbenzene	100-41-4	2,200	25	50	50
10945	Toluene	108-88-3	5,200	25	50	50
10945	Xylene (Total)	1330-20-7	10,000	25	50	50

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	UST VOCs + GRO by 8260B-Water	SW-846 8260B	1	F160081AA	01/08/2016 10:55	Anita M Dale	50
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F160081AA	01/08/2016 10:55	Anita M Dale	50

\*=This limit was used in the evaluation of the final result



Sample Description: MW-2-W-151229 NA Water  
Facility# 93322 BTST  
7225 Bancroft Ave-Oakland T0600102079

LL Sample # WW 8193487  
LL Group # 1620805  
Account # 10991

Project Name: 93322

Collected: 12/29/2015 15:00 by JG

Chevron

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 12/31/2015 11:50

Reported: 01/12/2016 19:23

BAO02

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
10945	Benzene	71-43-2	0.6 J	0.5	1	1
10945	C6-C12-TPH-GRO	n.a.	5,200	220	500	10
10945	Ethanol	64-17-5	N.D.	50	250	1
10945	Ethylbenzene	100-41-4	15	0.5	1	1
10945	Toluene	108-88-3	N.D.	0.5	1	1
10945	Xylene (Total)	1330-20-7	3	0.5	1	1

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	UST VOCs + GRO by 8260B-Water	SW-846 8260B	1	F160081AA	01/08/2016 11:17	Anita M Dale	1
10945	UST VOCs + GRO by 8260B-Water	SW-846 8260B	1	F160102AA	01/11/2016 03:49	Hu Yang	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F160081AA	01/08/2016 11:17	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	F160102AA	01/11/2016 03:49	Hu Yang	10

\*=This limit was used in the evaluation of the final result

Sample Description: MW-4-W-151229 NA Water  
Facility# 93322 BTST  
7225 Bancroft Ave-Oakland T0600102079

LL Sample # WW 8193488  
LL Group # 1620805  
Account # 10991

Project Name: 93322

Collected: 12/29/2015 15:07 by JG

Chevron

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 12/31/2015 11:50

Reported: 01/12/2016 19:23

BAO04

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
10945	Benzene	71-43-2	N.D.	0.5	1	1
10945	C6-C12-TPH-GRO	n.a.	150	22	50	1
10945	Ethanol	64-17-5	N.D.	50	250	1
10945	Ethylbenzene	100-41-4	0.6 J	0.5	1	1
10945	Toluene	108-88-3	N.D.	0.5	1	1
10945	Xylene (Total)	1330-20-7	3	0.5	1	1

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	UST VOCs + GRO by 8260B-Water	SW-846 8260B	1	F160081AA	01/08/2016 11:38	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F160081AA	01/08/2016 11:38	Anita M Dale	1

\*=This limit was used in the evaluation of the final result

Sample Description: MW-6-W-151229 NA Water  
Facility# 93322 BTST  
7225 Bancroft Ave-Oakland T0600102079

LL Sample # WW 8193489  
LL Group # 1620805  
Account # 10991

Project Name: 93322

Collected: 12/29/2015 15:45 by JG

Chevron

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 12/31/2015 11:50

Reported: 01/12/2016 19:23

BAO06

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
10945	Benzene	71-43-2	230	5	10	10
10945	C6-C12-TPH-GRO	n.a.	1,200	220	500	10
10945	Ethanol	64-17-5	N.D.	500	2,500	10
10945	Ethylbenzene	100-41-4	N.D.	5	10	10
10945	Toluene	108-88-3	N.D.	5	10	10
10945	Xylene (Total)	1330-20-7	N.D.	5	10	10

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	UST VOCs + GRO by 8260B-Water	SW-846 8260B	1	F160081AA	01/08/2016 12:00	Anita M Dale	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F160081AA	01/08/2016 12:00	Anita M Dale	10

\*=This limit was used in the evaluation of the final result

Sample Description: MW-7-W-151229 NA Water  
Facility# 93322 BTST  
7225 Bancroft Ave-Oakland T0600102079

LL Sample # WW 8193490  
LL Group # 1620805  
Account # 10991

Project Name: 93322

Collected: 12/29/2015 15:38 by JG

Chevron

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 12/31/2015 11:50

Reported: 01/12/2016 19:23

BAO07

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
10945	t-Amyl methyl ether	994-05-8	N.D.	5	10	10
10945	Benzene	71-43-2	1,100	5	10	10
10945	t-Butyl alcohol	75-65-0	200	20	50	10
10945	C6-C12-TPH-GRO	n.a.	3,700	220	500	10
10945	Ethanol	64-17-5	N.D.	500	2,500	10
10945	Ethyl t-butyl ether	637-92-3	N.D.	5	10	10
10945	Ethylbenzene	100-41-4	23	5	10	10
10945	di-Isopropyl ether	108-20-3	N.D.	5	10	10
10945	Methyl Tertiary Butyl Ether	1634-04-4	37	5	10	10
10945	Toluene	108-88-3	19	5	10	10
10945	Xylene (Total)	1330-20-7	210	5	10	10

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	UST VOCs + GRO by 8260B-Water	SW-846 8260B	1	F160081AA	01/08/2016 10:33	Anita M Dale	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F160081AA	01/08/2016 10:33	Anita M Dale	10

\*=This limit was used in the evaluation of the final result

Sample Description: MW-8-W-151229 NA Water  
Facility# 93322 BTST  
7225 Bancroft Ave-Oakland T0600102079

LL Sample # WW 8193491  
LL Group # 1620805  
Account # 10991

Project Name: 93322

Collected: 12/29/2015 14:20 by JG

Chevron

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 12/31/2015 11:50

Reported: 01/12/2016 19:23

BAO08

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
10945	t-Amyl methyl ether	994-05-8	N.D.	0.5	1	1
10945	Benzene	71-43-2	0.9 J	0.5	1	1
10945	t-Butyl alcohol	75-65-0	N.D.	2	5	1
10945	C6-C12-TPH-GRO	n.a.	450	22	50	1
10945	Ethanol	64-17-5	N.D.	50	250	1
10945	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10945	di-Isopropyl ether	108-20-3	N.D.	0.5	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
10945	Toluene	108-88-3	N.D.	0.5	1	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1	1

### General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	UST VOCs + GRO by 8260B-Water	SW-846 8260B	1	F160081AA	01/08/2016 09:27	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F160081AA	01/08/2016 09:27	Anita M Dale	1

\*=This limit was used in the evaluation of the final result

## Quality Control Summary

Client Name: Chevron  
Reported: 01/12/2016 19:23

Group Number: 1620805

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

### Method Blank

Analysis Name	Result	MDL**	LOQ
	ug/l	ug/l	ug/l
Batch number: F160081AA	Sample number(s): 8193485-8193491		
t-Amyl methyl ether	N.D.	0.5	1
Benzene	N.D.	0.5	1
t-Butyl alcohol	N.D.	2	5
C6-C12-TPH-GRO	N.D.	22	50
Ethanol	N.D.	50	250
Ethyl t-butyl ether	N.D.	0.5	1
Ethylbenzene	N.D.	0.5	1
di-Isopropyl ether	N.D.	0.5	1
Methyl Tertiary Butyl Ether	N.D.	0.5	1
Toluene	N.D.	0.5	1
Xylene (Total)	N.D.	0.5	1
Batch number: F160102AA	Sample number(s): 8193487		
C6-C12-TPH-GRO	N.D.	22	50

### LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	ug/l	ug/l	ug/l	ug/l					
Batch number: F160081AA	Sample number(s): 8193485-8193491								
t-Amyl methyl ether	20	17.86			89		75-120		
Benzene	20	18.46			92		78-120		
t-Butyl alcohol	200	185.28			93		78-121		
C6-C12-TPH-GRO	1000	942.52	1000	889	94	89	52-154	6	30
Ethanol	500	449.47			90		49-144		
Ethyl t-butyl ether	20	17.44			87		69-120		
Ethylbenzene	20	18.24			91		78-120		
di-Isopropyl ether	20	17.58			88		70-124		
Methyl Tertiary Butyl Ether	20	18.2			91		75-120		
Toluene	20	19.15			96		80-120		
Xylene (Total)	60	55.79			93		80-120		
Batch number: F160102AA	Sample number(s): 8193487								
C6-C12-TPH-GRO	1000	966.46	1000	954.79	97	95	52-154	1	30

### MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.



## Quality Control Summary

Client Name: Chevron  
Reported: 01/12/2016 19:23

Group Number: 1620805

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: F160081AA	Sample number(s): 8193485-8193491 UNSPK: 8193491									
t-Amyl methyl ether	N.D.	20	19.19	20	18.28	96	91	75-120	5	30
Benzene	0.909	20	20.54	20	20.1	98	96	78-120	2	30
t-Butyl alcohol	N.D.	200	185.28	200	174.38	93	87	78-121	6	30
Ethanol	N.D.	500	480.31	500	478.86	96	96	49-144	0	30
Ethyl t-butyl ether	N.D.	20	17.46	20	17.65	87	88	69-120	1	30
Ethylbenzene	N.D.	20	19.78	20	19.67	99	98	78-120	1	30
di-Isopropyl ether	N.D.	20	17.98	20	17.4	90	87	70-124	3	30
Methyl Tertiary Butyl Ether	N.D.	20	18.34	20	18.04	92	90	75-120	2	30
Toluene	N.D.	20	19.61	20	19.1	98	96	80-120	3	30
Xylene (Total)	N.D.	60	59.3	60	58.86	99	98	80-120	1	30

## Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: UST VOCs + GRO by 8260B-Water  
Batch number: F160081AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8193485	101	100	99	89
8193486	97	97	99	92
8193487	99	100	99	103
8193488	99	98	96	89
8193489	100	94	99	91
8193490	98	96	96	92
8193491	98	98	96	93
Blank	101	98	96	88
LCS	99	101	98	91
LCSD	99	97	99	92
MS	101	102	99	95
MSD	97	100	96	94
Limits:	80-116	77-113	80-113	78-113

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.



Client: Blaine Tech

**Delivery and Receipt Information**

Delivery Method:	<u>UPS</u>	Arrival Timestamp:	<u>12/31/2015 11:50</u>
Number of Packages:	<u>1</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>CA</u>		

**Arrival Condition Summary**

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace $\geq$ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	2
Paperwork Enclosed:	Yes	Trip Blank Type:	HCl
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

*Unpacked by Wesley Miller (2308) at 12:32 on 12/31/2015*

**Samples Chilled Details**

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	1.0	DT	Wet	Y	Bagged	N

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>RL</b>	Reporting Limit	<b>BMQL</b>	Below Minimum Quantitation Level
<b>N.D.</b>	none detected	<b>MPN</b>	Most Probable Number
<b>TNTC</b>	Too Numerous To Count	<b>CP Units</b>	cobalt-chloroplatinate units
<b>IU</b>	International Units	<b>NTU</b>	nephelometric turbidity units
<b>umhos/cm</b>	micromhos/cm	<b>ng</b>	nanogram(s)
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>µg</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>mL</b>	milliliter(s)	<b>L</b>	liter(s)
<b>m<sup>3</sup></b>	cubic meter(s)	<b>µL</b>	microliter(s)
		<b>pg/L</b>	picogram/liter
<b>&lt;</b>	less than		
<b>&gt;</b>	greater than		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## Laboratory Data Qualifiers:

- B - Analyte detected in the blank
- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value  $\geq$  the Method Detection Limit (MDL or DL) and  $<$  the Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column  $>40\%$ . The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column  $>100\%$ . The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

## Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

3/11/2016  
Mr. Belew Yifru  
GHD  
5900 Hollis Street  
Suite A  
Emeryville CA 94608

Project Name: FORMER CHEVRON 93322  
Project #: 311806  
Workorder #: 1602577

Dear Mr. Belew Yifru

The following report includes the data for the above referenced project for sample(s) received on 2/29/2016 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-17 VI are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kyle Vagadori  
Project Manager

**WORK ORDER #: 1602577**

## Work Order Summary

**CLIENT:** Mr. Belew Yifru  
GHD  
5900 Hollis Street  
Suite A  
Emeryville, CA 94608

**BILL TO:** Accounts Payable  
Chevron U.S.A. Inc.  
6001 Bollinger Canyon Road  
L4310  
San Ramon, CA 94583

**PHONE:** 510-420-0700

**P.O. #** NWENV00933220; SO 0015197

**FAX:** 510-420-9170

**PROJECT #** 311806 FORMER CHEVRON 93322

**DATE RECEIVED:** 02/29/2016

**CONTACT:** Kyle Vagadori

**DATE COMPLETED:** 03/11/2016

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
01A	VP-1-5	Modified TO-17 VI
02A	VP-3-5	Modified TO-17 VI
03A	VP-4-5	Modified TO-17 VI
04A	VP-4-5 DUP	Modified TO-17 VI
05A	Lab Blank	Modified TO-17 VI
06A	CCV	Modified TO-17 VI
07A	LCS	Modified TO-17 VI
07AA	LCSD	Modified TO-17 VI

CERTIFIED BY: \_\_\_\_\_



Technical Director

DATE: 03/11/16

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,  
TX NELAP - T104704343-14-7, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935  
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)  
Accreditation number: CA300005, Effective date: 10/18/2014, Expiration date: 10/17/2015.

Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563  
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020



**LABORATORY NARRATIVE**  
**Modified EPA Method TO-17 (VI Tubes)**  
**GHD**  
**Workorder# 1602577**

Four TO-17 VI Tube samples were received on February 29, 2016. The laboratory performed the analysis via modified EPA Method TO-17 using GC/MS in the full scan mode. TO-17 'VI' sorbent tubes are thermally desorbed onto a secondary trap. The trap is thermally desorbed to elute the components into the GC/MS system for compound separation and detection.

A modification that may be applied to EPA Method TO-17 at the client's discretion is the requirement to transport sorbent tubes at 4 deg C. Laboratory studies demonstrate a high level of stability for VOCs on the TO-17 'VI' tube at room temperature for periods of up to 14 days. Tubes can be shipped to and from the field site at ambient conditions as long as the 14-day sample hold time is upheld. Trip blanks and field surrogate spikes are used as additional control measures to monitor recovery and background contribution during tube transport.

Since the TO-17 VI application significantly extends the scope of target compounds addressed in EPA Method TO-15 and TO-17, the laboratory has implemented several method modifications outlined in the table below. Specific project requirements may over-ride the laboratory modifications.

<i>Requirement</i>	<i>TO-17</i>	<i>ATL Modifications</i>
Initial Calibration	%RSD<math>\leq 30\%</math> with 2 allowed out up to 40%	VOC list: %RSD<math>\leq 30\%</math> with 2 allowed out up to 40% SVOC list: %RSD<math>\leq 30\%</math> with 2 allowed out up to 40%
Daily Calibration	%D for each target compound within +/-30%.	Fluorene, Phenanthrene, Anthracene, Fluoranthene, and Pyrene within +/-40%D
Audit Accuracy	70-130%	Second source recovery limits for Fluorene, Phenanthrene, Anthracene, Fluoranthene, and Pyrene = 60-140%.
Distributed Volume Pairs	Collection of distributed volume pairs required for monitoring ambient air to insure high quality.	If site is well-characterized or performance previously verified, single tube sampling may be appropriate. Distributed pairs may be impractical for soil gas collection due to configuration and volume constraints.
Analytical Precision	<math>\leq 20\%</math> RPD	<math>< 30\%</math> RPD for Fluorene, Phenanthrene, Anthracene, Fluoranthene, and Pyrene.

### **Receiving Notes**

The ice/coolant included in the sample shipment melted during transit, therefore the temperature at receipt was greater than 6 °C. Analysis proceeded.

### **Analytical Notes**

A sampling volume of 0.200 L was used to convert ng to ug/m<sup>3</sup> for the associated Lab Blank.

### **Definition of Data Qualifying Flags**

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

- B - Compound present in blank (subtraction not performed).
- J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

**Summary of Detected Compounds  
EPA METHOD TO-17**

**Client Sample ID: VP-1-5**  
**Lab ID#: 1602577-01A**  
 No Detections Were Found.

**Client Sample ID: VP-3-5**  
**Lab ID#: 1602577-02A**

<b>Compound</b>	<b>Rpt. Limit (ng)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ng)</b>	<b>Amount (ug/m3)</b>
Naphthalene	1.0	5.0	1.3	6.6

**Client Sample ID: VP-4-5**  
**Lab ID#: 1602577-03A**  
 No Detections Were Found.

**Client Sample ID: VP-4-5 DUP**  
**Lab ID#: 1602577-04A**  
 No Detections Were Found.



Air Toxics

Client Sample ID: VP-1-5

Lab ID#: 1602577-01A

EPA METHOD TO-17

File Name:	18030310	Date of Extraction: NA	Date of Collection: 2/25/16 11:53:00 AM
Dil. Factor:	1.00	Date of Analysis: 3/3/16 07:09 PM	

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	1.0	5.0	Not Detected	Not Detected

Air Sample Volume(L): 0.200  
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	82	50-150



Air Toxics

Client Sample ID: VP-3-5

Lab ID#: 1602577-02A

EPA METHOD TO-17

File Name:	18030311	Date of Extraction: NA	Date of Collection: 2/25/16 9:50:00 AM
Dil. Factor:	1.00	Date of Analysis: 3/3/16 08:20 PM	

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	1.0	5.0	1.3	6.6

Air Sample Volume(L): 0.200  
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	85	50-150



Air Toxics

Client Sample ID: VP-4-5

Lab ID#: 1602577-03A

EPA METHOD TO-17

File Name:	18030312	Date of Extraction: NA	Date of Collection: 2/25/16 1:45:00 PM
Dil. Factor:	1.00	Date of Analysis: 3/3/16 09:31 PM	

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	1.0	5.0	Not Detected	Not Detected

Air Sample Volume(L): 0.200  
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	74	50-150





Air Toxics

Client Sample ID: VP-4-5 DUP

Lab ID#: 1602577-04A

EPA METHOD TO-17

File Name:	18030313	Date of Extraction: NA	Date of Collection: 2/25/16 1:45:00 PM
Dil. Factor:	1.00	Date of Analysis: 3/3/16 10:43 PM	

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	1.0	5.0	Not Detected	Not Detected

Air Sample Volume(L): 0.200  
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	77	50-150



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1602577-05A

EPA METHOD TO-17

File Name:	18030306	Date of Extraction: NA	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/3/16 02:13 PM	

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	1.0	5.0	Not Detected	Not Detected

Air Sample Volume(L): 0.200  
Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Naphthalene-d8	81	50-150

**Client Sample ID: CCV**

**Lab ID#: 1602577-06A**

**EPA METHOD TO-17**

<b>File Name:</b>	18030302	<b>Date of Extraction:</b> NA	<b>Date of Collection:</b> NA
<b>Dil. Factor:</b>	1.00	<b>Date of Analysis:</b> 3/3/16 10:27 AM	

Compound	%Recovery
Naphthalene	79

**Air Sample Volume(L): 1.00**  
**Container Type: NA - Not Applicable**

Surrogates	%Recovery	Method Limits
Naphthalene-d8	86	50-150



Air Toxics

Client Sample ID: LCS

Lab ID#: 1602577-07A

EPA METHOD TO-17

File Name:	18030303	Date of Extraction: NA	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/3/16 11:27 AM	

Compound	%Recovery	Method Limits
Naphthalene	87	70-130

Air Sample Volume(L): 1.00  
Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Naphthalene-d8	85	50-150



Air Toxics

Client Sample ID: LCSD

Lab ID#: 1602577-07AA

EPA METHOD TO-17

File Name:	18030304	Date of Extraction: NA	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/3/16 12:16 PM	

Compound	%Recovery	Method Limits
Naphthalene	87	70-130

Air Sample Volume(L): 1.00  
Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Naphthalene-d8	85	50-150



CHAIN-OF-CUSTODY RECORD

**Sample Transportation Notice**  
 Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922.

180 BLUE RAVINE ROAD, SUITE B  
 FOLSOM, CA 95630  
 (916) 985-1000 FAX (916) 985-1020

Page \_\_\_\_\_ of \_\_\_\_\_

Project Manager NATHAN LEE  
 Collected by: (Print and Sign) BEAU YERU  
 Company GHD Email NATHAN.LEE@GHD.COM  
 Address 5300 CLAYTON RD # 900 City DUNCAN State CA Zip 94520  
 Phone 925 849 1003 Fax \_\_\_\_\_

Project Info:  
 P.O. # \_\_\_\_\_  
 Project # 31806  
 Project Name FORMER CHEVRON 93322

Turn Around Time:  Normal  Rush  
 Reporting Units:  ppmv  ppbv  µg/m3  mg/m3  
 specify \_\_\_\_\_

Lab I.D.	Field Sample I.D. (Location)	Engraved or Stamped Tube #	Date of Collection (mm/dd/yy)	Start Time (hr : min)	End Time (hr : min)	Pre-Test Flow Rate	Post-Test Flow Rate	Volume	Indoor/Outdoor		Indoor Air	Outdoor Air	Soil Vapor	Other
									% RH	Temp				
01A	VP-1-S	G0141318	2/25/16	11:53	9:50	200L/min	200L/min	200L			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
02A	VP-3-S	G047378	2/25/16	9:50	13:45	200L/min	200L/min	200L			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
03A	VP-4-S	G045554	2/25/16	13:45	13:45	200L/min	200L/min	200L			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
04A	VP-4-S DUP	G0143420	2/25/16	13:45		200L/min	200L/min	200L			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Notes:														
Relinquished by: (signature) <u>[Signature]</u>			Date/Time <u>15:30</u>		Received by: (signature) <u>[Signature]</u>			Date/Time <u>15:30</u>						
Relinquished by: (signature) <u>[Signature]</u>			Date/Time <u>2/25/2016</u>		Received by: (signature) <u>[Signature]</u>			Date/Time <u>2/25/2016</u>						
Relinquished by: (signature) <u>[Signature]</u>			Date/Time <u>2/29/16 13:54P.</u>		Received by: (signature) <u>[Signature]</u>			Date/Time <u>12:24</u>						
Lab Use Only: Shipper Name <u>EAH o/o</u> Air Bill # _____ Temp (°C) <u>14°C</u> Condition <u>SDR</u> Custody Seals Intact? <u>Yes No None</u> Work Order # <u>1602577</u>														



3/11/2016  
Mr. Belew Yifru  
GHD  
5900 Hollis Street  
Suite A  
Emeryville CA 94608

Project Name: FORMER CHEVRON 93322  
Project #: 311806  
Workorder #: 1602579A

Dear Mr. Belew Yifru

The following report includes the data for the above referenced project for sample(s) received on 2/29/2016 at Air Toxics Ltd.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kyle Vagadori  
Project Manager

**WORK ORDER #: 1602579A**

Work Order Summary

**CLIENT:** Mr. Belew Yifru  
 GHD  
 5900 Hollis Street  
 Suite A  
 Emeryville, CA 94608

**PHONE:** 510-420-0700

**FAX:** 510-420-9170

**DATE RECEIVED:** 02/29/2016

**DATE COMPLETED:** 03/11/2016

**BILL TO:** Accounts Payable  
 Chevron U.S.A. Inc.  
 6001 Bollinger Canyon Road  
 L4310  
 San Ramon, CA 94583

**P.O. #** NWENV00933220; SO 0015197

**PROJECT #** 311806 FORMER CHEVRON 93322

**CONTACT:** Kyle Vagadori

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	VP-1-5	TO-15	5.1 "Hg	14.9 psi
02A	VP-3-5	TO-15	1.6 "Hg	15 psi
03A	VP-4-5	TO-15	6.9 "Hg	14.5 psi
04A	VP-4-5 DUP	TO-15	6.9 "Hg	14.7 psi
05A	Lab Blank	TO-15	NA	NA
06A	CCV	TO-15	NA	NA
07A	LCS	TO-15	NA	NA
07AA	LCSD	TO-15	NA	NA

CERTIFIED BY:   
 \_\_\_\_\_  
 Technical Director

DATE: 03/11/16

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,  
 TX NELAP - T104704343-14-7, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935  
 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)  
 Accreditation number: CA300005, Effective date: 10/18/2014, Expiration date: 10/17/2015.

Eurofins Air Toxics Inc. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563  
 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

**LABORATORY NARRATIVE**  
**EPA Method TO-15**  
**GHD**  
**Workorder# 1602579A**

Four 1 Liter Summa Canister (100% Certified) samples were received on February 29, 2016. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

**Receiving Notes**

There were no receiving discrepancies.

**Analytical Notes**

Dilution was performed on samples VP-4-5 and VP-4-5 DUP due to the presence of high level non-target species.

A single point calibration for TPH referenced to Gasoline was performed for each daily analytical batch. Recovery is reported as 100% in the associated results for each CCV.

**Definition of Data Qualifying Flags**

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

**Summary of Detected Compounds  
EPA METHOD TO-15 GC/MS FULL SCAN**

**Client Sample ID: VP-1-5**

**Lab ID#: 1602579A-01A**

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Benzene	1.2	3.5	3.9	11
Toluene	1.2	2.1	4.6	8.0
m,p-Xylene	1.2	2.3	5.3	9.9
Methyl tert-butyl ether	1.2	100	4.4	360
TPH ref. to Gasoline (MW=100)	120	310	500	1300

**Client Sample ID: VP-3-5**

**Lab ID#: 1602579A-02A**

No Detections Were Found.

**Client Sample ID: VP-4-5**

**Lab ID#: 1602579A-03A**

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
TPH ref. to Gasoline (MW=100)	16000	370000	66000	1500000

**Client Sample ID: VP-4-5 DUP**

**Lab ID#: 1602579A-04A**

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
TPH ref. to Gasoline (MW=100)	16000	380000	66000	1600000



Air Toxics

Client Sample ID: VP-1-5

Lab ID#: 1602579A-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3030718	Date of Collection:	2/25/16 11:40:00 AM
Dil. Factor:	2.43	Date of Analysis:	3/7/16 10:55 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.2	3.5	3.9	11
Ethyl Benzene	1.2	Not Detected	5.3	Not Detected
Toluene	1.2	2.1	4.6	8.0
m,p-Xylene	1.2	2.3	5.3	9.9
o-Xylene	1.2	Not Detected	5.3	Not Detected
Methyl tert-butyl ether	1.2	100	4.4	360
Naphthalene	2.4	Not Detected	13	Not Detected
TPH ref. to Gasoline (MW=100)	120	310	500	1300

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	116	70-130
Toluene-d8	109	70-130
4-Bromofluorobenzene	99	70-130



Client Sample ID: VP-3-5

Lab ID#: 1602579A-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3030719	Date of Collection:	2/25/16 9:31:00 AM
Dil. Factor:	2.13	Date of Analysis:	3/7/16 11:22 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.1	Not Detected	3.4	Not Detected
Ethyl Benzene	1.1	Not Detected	4.6	Not Detected
Toluene	1.1	Not Detected	4.0	Not Detected
m,p-Xylene	1.1	Not Detected	4.6	Not Detected
o-Xylene	1.1	Not Detected	4.6	Not Detected
Methyl tert-butyl ether	1.1	Not Detected	3.8	Not Detected
Naphthalene	2.1	Not Detected	11	Not Detected
TPH ref. to Gasoline (MW=100)	110	Not Detected	440	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	101	70-130





Air Toxics

Client Sample ID: VP-4-5

Lab ID#: 1602579A-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3030721	Date of Collection:	2/25/16 1:37:00 PM
Dil. Factor:	323	Date of Analysis:	3/8/16 12:09 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	160	Not Detected	520	Not Detected
Ethyl Benzene	160	Not Detected	700	Not Detected
Toluene	160	Not Detected	610	Not Detected
m,p-Xylene	160	Not Detected	700	Not Detected
o-Xylene	160	Not Detected	700	Not Detected
Methyl tert-butyl ether	160	Not Detected	580	Not Detected
Naphthalene	320	Not Detected	1700	Not Detected
TPH ref. to Gasoline (MW=100)	16000	370000	66000	1500000

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	111	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	98	70-130



Air Toxics

Client Sample ID: VP-4-5 DUP

Lab ID#: 1602579A-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3030722	Date of Collection:	2/25/16 1:37:00 PM
Dil. Factor:	324	Date of Analysis:	3/8/16 12:33 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	160	Not Detected	520	Not Detected
Ethyl Benzene	160	Not Detected	700	Not Detected
Toluene	160	Not Detected	610	Not Detected
m,p-Xylene	160	Not Detected	700	Not Detected
o-Xylene	160	Not Detected	700	Not Detected
Methyl tert-butyl ether	160	Not Detected	580	Not Detected
Naphthalene	320	Not Detected	1700	Not Detected
TPH ref. to Gasoline (MW=100)	16000	380000	66000	1600000

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	111	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	98	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1602579A-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3030707	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/7/16 01:10 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.50	Not Detected	1.6	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
Naphthalene	1.0	Not Detected	5.2	Not Detected
TPH ref. to Gasoline (MW=100)	50	Not Detected	200	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	103	70-130

Client Sample ID: CCV

Lab ID#: 1602579A-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3030702	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/7/16 10:11 AM

Compound	%Recovery
Benzene	99
Ethyl Benzene	94
Toluene	96
m,p-Xylene	96
o-Xylene	95
Methyl tert-butyl ether	102
Naphthalene	78
TPH ref. to Gasoline (MW=100)	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	106	70-130
4-Bromofluorobenzene	102	70-130

Client Sample ID: LCS

Lab ID#: 1602579A-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3030703	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/7/16 10:36 AM

Compound	%Recovery	Method Limits
Benzene	100	70-130
Ethyl Benzene	96	70-130
Toluene	97	70-130
m,p-Xylene	98	70-130
o-Xylene	99	70-130
Methyl tert-butyl ether	99	70-130
Naphthalene	100	60-140
TPH ref. to Gasoline (MW=100)	Not Spiked	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	106	70-130
4-Bromofluorobenzene	103	70-130

Client Sample ID: LCSD

Lab ID#: 1602579A-07AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3030704	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/7/16 11:00 AM

Compound	%Recovery	Method Limits
Benzene	97	70-130
Ethyl Benzene	96	70-130
Toluene	95	70-130
m,p-Xylene	96	70-130
o-Xylene	98	70-130
Methyl tert-butyl ether	103	70-130
Naphthalene	103	60-140
TPH ref. to Gasoline (MW=100)	Not Spiked	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	102	70-130





**CHAIN-OF-CUSTODY RECORD**

**Sample Transportation Notice**  
 Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B  
 FOLSOM, CA 95630-4719  
 (916) 985-1000 FAX (916) 985-1020

Page \_\_\_ of \_\_\_

Project Manager NATHAN LEE  
 Collected by: (Print and Sign) BELEW YIFRU  
 Company GHD Email NATHAN.LEE@GHD.COM  
 Address 5300 CLAYTON RD #920 City CONCORD State CA Zip 94520  
 Phone 925 849 1003 Fax \_\_\_\_\_

Project Info:  
 P.O. # \_\_\_\_\_  
 Project # 311 806  
 Project Name FERNER CHEMICAL 93322

Turn Around Time:  
 Normal  
 Rush  
 Lab Use Only  
 Pressurized by: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Pressurization Gas: \_\_\_\_\_  
 specify N<sub>2</sub> He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum			
						Initial	Final	Receipt (psi)	
01A	VP-1-S	15768	2/25/2016	11:40	ALL SAMPLES	-30	-4		
02A	VP-3-S	13896	2/25/2016	9:31	TDH, BTEX, MTBE AND NAPH THALENE	-30	-5		
03A	VP-4-S	37752	2/25/2016	13:37	AND NAPH THALENE	-30	-6		
04A	VP-4-S DUP	22967	2/25/2016	13:37	BY TO-15	295	-6		
					O <sub>2</sub> , CO <sub>2</sub> , N <sub>2</sub> , CH <sub>4</sub> AND HELIUM BY ASTM D1946				
					APHSR) AROMATICS C8-C12 AND APH(G) ALIPHATICS C8-C12				
					BY TO-15				
Relinquished by: (signature) _____		Date/Time <u>15:30</u>		Received by: (signature) _____		Date/Time <u>15:30</u>		Notes: _____	
Relinquished by: (signature) _____		Date/Time <u>2/25/2016</u>		Received by: (signature) _____		Date/Time <u>2/25/2016</u>			
Relinquished by: (signature) _____		Date/Time <u>2/29/16</u>		Received by: (signature) _____		Date/Time <u>12-24</u>			

Lab Use Only  
 Shipper Name GAR D/O Air Bill # \_\_\_\_\_ Temp (°C) NA Condition 929 Custody Seals Intact? Yes No None Work Order # 1602579

3/11/2016  
Mr. Belew Yifru  
GHD  
5900 Hollis Street  
Suite A  
Emeryville CA 94608

Project Name: FORMER CHEVRON 93322  
Project #: 311806  
Workorder #: 1602579B

Dear Mr. Belew Yifru

The following report includes the data for the above referenced project for sample(s) received on 2/29/2016 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 APH are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kyle Vagadori  
Project Manager

**WORK ORDER #: 1602579B**

Work Order Summary

**CLIENT:** Mr. Belew Yifru  
 GHD  
 5900 Hollis Street  
 Suite A  
 Emeryville, CA 94608

**PHONE:** 510-420-0700

**FAX:** 510-420-9170

**DATE RECEIVED:** 02/29/2016

**DATE COMPLETED:** 03/11/2016

**BILL TO:** Accounts Payable  
 Chevron U.S.A. Inc.  
 6001 Bollinger Canyon Road  
 L4310  
 San Ramon, CA 94583

**P.O. #** NWENV00933220; SO 0015197

**PROJECT #** 311806 FORMER CHEVRON 93322

**CONTACT:** Kyle Vagadori

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	VP-1-5	Modified TO-15 APH	5.1 "Hg	14.9 psi
01B	VP-1-5	Modified TO-15 APH	5.1 "Hg	14.9 psi
02A	VP-3-5	Modified TO-15 APH	1.6 "Hg	15 psi
02B	VP-3-5	Modified TO-15 APH	1.6 "Hg	15 psi
03A	VP-4-5	Modified TO-15 APH	6.9 "Hg	14.5 psi
03B	VP-4-5	Modified TO-15 APH	6.9 "Hg	14.5 psi
04A	VP-4-5 DUP	Modified TO-15 APH	6.9 "Hg	14.7 psi
04B	VP-4-5 DUP	Modified TO-15 APH	6.9 "Hg	14.7 psi
05A	Lab Blank	Modified TO-15 APH	NA	NA
05B	Lab Blank	Modified TO-15 APH	NA	NA
06A	CCV	Modified TO-15 APH	NA	NA
06B	CCV	Modified TO-15 APH	NA	NA

CERTIFIED BY:   
 \_\_\_\_\_  
 Technical Director

DATE: 03/11/16  
 \_\_\_\_\_

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,  
 TX NELAP - T104704343-14-7, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935  
 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)  
 Accreditation number: CA300005, Effective date: 10/18/2014, Expiration date: 10/17/2015.

Eurofins Air Toxics Inc. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563  
 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

**LABORATORY NARRATIVE**  
**Modified TO-15 & VPH Fractions**  
**GHD**  
**Workorder# 1602579B**

Four 1 Liter Summa Canister (100% Certified) samples were received on February 29, 2016. The laboratory performed analysis via EPA Method TO-15 and Air Toxics VPH (Volatile Petroleum Hydrocarbon) methods for the Determination of VPH Fractions using GC/MS in the full scan mode. The method involves concentrating up to 0.5 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis. This method is designed to measure gaseous phase aliphatic and aromatic compounds in ambient air and soil gas collected in stainless steel Summa canisters. Air Toxics VPH method is a hybrid of EPA TO-15, MADEP APH and WSDE VPH methods. Chromatographic peaks were identified via mass spectrum as either aliphatic or aromatic petroleum hydrocarbons and included in the appropriate range as defined by the method. The volatile Aliphatic hydrocarbons are collectively quantified within the C5 to C6 range, C6 to C8 range, C8 to C10 range and the C10 to C12 range. Additionally, the volatile Aromatic hydrocarbons are collectively quantified within the C8 to C10 range and the C10 to C12 range. The Aromatic ranges refer to the equivalent carbon (EC) ranges.

Aliphatic data is calculated from the Total Ion chromatogram which has been reprocessed in a duplicate file differentiated from the original by the addition of an alphanumeric extension. The Aromatic calculation also uses the information contained in the associated Extracted Ion file.

### **Receiving Notes**

There were no receiving discrepancies.

### **Analytical Notes**

Dilution was performed on samples VP-4-5 and VP-4-5 DUP due to matrix interference.

The C6-C8 Aliphatic Hydrocarbon result in samples VP-4-5 and VP-4-5 DUP is reported as biased high due to an unknown hydrocarbon coeluting with surrogate 1,2-Dichloroethane-d4. Since there was no resolution between the unknown and the surrogate, the peak area originating from 1,2-Dichloroethane-d4 could not be discounted and thus was unavoidably included in the calculation for this analytical fraction. The unknown hydrocarbon was classified and reported in the C6-C8 Aliphatic range.

### **Definition of Data Qualifying Flags**

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

## Summary of Detected Compounds MODIFIED METHOD TO-15 GC/MS FULL SCAN

**Client Sample ID: VP-1-5**

**Lab ID#: 1602579B-01A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	24	31	79	99
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	24	83	100	340
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	24	41	170	290

**Client Sample ID: VP-1-5**

**Lab ID#: 1602579B-01B**

No Detections Were Found.

**Client Sample ID: VP-3-5**

**Lab ID#: 1602579B-02A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	21	50	87	210

**Client Sample ID: VP-3-5**

**Lab ID#: 1602579B-02B**

No Detections Were Found.

**Client Sample ID: VP-4-5**

**Lab ID#: 1602579B-03A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	3200	32000	10000	100000
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	3200	350000	13000	1400000
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	3200	29000	19000	170000

**Client Sample ID: VP-4-5**

**Lab ID#: 1602579B-03B**

**Summary of Detected Compounds  
MODIFIED METHOD TO-15 GC/MS FULL SCAN**

**Client Sample ID: VP-4-5**

**Lab ID#: 1602579B-03B**

No Detections Were Found.

**Client Sample ID: VP-4-5 DUP**

**Lab ID#: 1602579B-04A**

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	3200	32000	10000	100000
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	3200	350000	13000	1400000
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	3200	32000	19000	180000

**Client Sample ID: VP-4-5 DUP**

**Lab ID#: 1602579B-04B**

No Detections Were Found.





Air Toxics

Client Sample ID: VP-1-5

Lab ID#: 1602579B-01A

**MODIFIED METHOD TO-15 GC/MS FULL SCAN**

File Name:	3030718a	Date of Collection:	2/25/16 11:40:00 AM	
Dil. Factor:	2.43	Date of Analysis:	3/7/16 10:55 PM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	24	31	79	99
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	24	83	100	340
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	24	Not Detected	140	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	24	41	170	290

Container Type: 1 Liter Summa Canister (100% Certified)



Air Toxics

Client Sample ID: VP-1-5

Lab ID#: 1602579B-01B

**MODIFIED METHOD TO-15 GC/MS FULL SCAN**

File Name:	3030718c	Date of Collection:	2/25/16 11:40:00 AM	
Dil. Factor:	2.43	Date of Analysis:	3/7/16 10:55 PM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons	24	Not Detected	120	Not Detected
>C10-C12 Aromatic Hydrocarbons	24	Not Detected	130	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



Air Toxics

Client Sample ID: VP-3-5

Lab ID#: 1602579B-02A

**MODIFIED METHOD TO-15 GC/MS FULL SCAN**

File Name:	3030719a	Date of Collection:	2/25/16 9:31:00 AM	
Dil. Factor:	2.13	Date of Analysis:	3/7/16 11:22 PM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	21	Not Detected	69	Not Detected
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	21	50	87	210
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	21	Not Detected	120	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	21	Not Detected	150	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



Air Toxics

Client Sample ID: VP-3-5

Lab ID#: 1602579B-02B

**MODIFIED METHOD TO-15 GC/MS FULL SCAN**

File Name:	3030719c	Date of Collection:	2/25/16 9:31:00 AM	
Dil. Factor:	2.13	Date of Analysis:	3/7/16 11:22 PM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons	21	Not Detected	100	Not Detected
>C10-C12 Aromatic Hydrocarbons	21	Not Detected	120	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



Air Toxics

Client Sample ID: VP-4-5

Lab ID#: 1602579B-03A

**MODIFIED METHOD TO-15 GC/MS FULL SCAN**

File Name:	3030721a	Date of Collection:	2/25/16 1:37:00 PM	
Dil. Factor:	323	Date of Analysis:	3/8/16 12:09 AM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	3200	32000	10000	100000
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	3200	350000	13000	1400000
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	3200	29000	19000	170000
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	3200	Not Detected	22000	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



Air Toxics

Client Sample ID: VP-4-5

Lab ID#: 1602579B-03B

**MODIFIED METHOD TO-15 GC/MS FULL SCAN**

File Name:	3030721c	Date of Collection:	2/25/16 1:37:00 PM	
Dil. Factor:	323	Date of Analysis:	3/8/16 12:09 AM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons	3200	Not Detected	16000	Not Detected
>C10-C12 Aromatic Hydrocarbons	3200	Not Detected	18000	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



Air Toxics

Client Sample ID: VP-4-5 DUP

Lab ID#: 1602579B-04A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	3030722a	Date of Collection:	2/25/16 1:37:00 PM	
Dil. Factor:	324	Date of Analysis:	3/8/16 12:33 AM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	3200	32000	10000	100000
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	3200	350000	13000	1400000
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	3200	32000	19000	180000
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	3200	Not Detected	22000	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)





Air Toxics

Client Sample ID: VP-4-5 DUP

Lab ID#: 1602579B-04B

**MODIFIED METHOD TO-15 GC/MS FULL SCAN**

File Name:	3030722c	Date of Collection:	2/25/16 1:37:00 PM	
Dil. Factor:	324	Date of Analysis:	3/8/16 12:33 AM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons	3200	Not Detected	16000	Not Detected
>C10-C12 Aromatic Hydrocarbons	3200	Not Detected	18000	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Client Sample ID: Lab Blank

Lab ID#: 1602579B-05A

**MODIFIED METHOD TO-15 GC/MS FULL SCAN**

File Name:	3030707a	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/7/16 01:10 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	10	Not Detected	32	Not Detected
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	10	Not Detected	41	Not Detected
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	10	Not Detected	58	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	10	Not Detected	70	Not Detected

Container Type: NA - Not Applicable



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1602579B-05B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	3030707c	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/7/16 01:10 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons	10	Not Detected	49	Not Detected
>C10-C12 Aromatic Hydrocarbons	10	Not Detected	55	Not Detected

Container Type: NA - Not Applicable

Client Sample ID: CCV

Lab ID#: 1602579B-06A

**MODIFIED METHOD TO-15 GC/MS FULL SCAN**

File Name:	3030705a	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/7/16 11:45 AM

<b>Compound</b>	<b>%Recovery</b>
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	110
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	98
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	114
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	79

**Container Type: NA - Not Applicable**



Air Toxics

Client Sample ID: CCV

Lab ID#: 1602579B-06B

**MODIFIED METHOD TO-15 GC/MS FULL SCAN**

File Name:	3030705c	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/7/16 11:45 AM

<b>Compound</b>	<b>%Recovery</b>
>C8-C10 Aromatic Hydrocarbons	106
>C10-C12 Aromatic Hydrocarbons	102

**Container Type: NA - Not Applicable**



**CHAIN-OF-CUSTODY RECORD**

**Sample Transportation Notice**  
 Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B  
 FOLSOM, CA 95630-4719  
 (916) 985-1000 FAX (916) 985-1020

Page \_\_\_ of \_\_\_

Project Manager NATHAN LEE  
 Collected by: (Print and Sign) BELEW YIFRU  
 Company GHD Email NATHAN.LEE@GHD.COM  
 Address 5300 CLAYTON RD #900 City CONCORD State CA Zip 94520  
 Phone 925 849 1003 Fax \_\_\_\_\_

Project Info:  
 P.O. # \_\_\_\_\_  
 Project # 311 806  
 Project Name FERNER CHEMICAL 93322

Turn Around Time:  
 Normal  
 Rush  
 Lab Use Only  
 Pressurized by: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Pressurization Gas: \_\_\_\_\_  
 specify N<sub>2</sub> He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum			
						Initial	Final	Receipt (psi)	
01A	VP-1-S	15768	2/25/2016	11:40	ALL SAMPLES	-30	-4		
02A	VP-3-S	13896	2/25/2016	9:31	TDH, BTEX, MTBE AND NAPHTHALENE	-30	-5		
03A	VP-4-S	37752	2/25/2016	13:37	AND NAPHTHALENE	-30	-6		
04A	VP-4-S DUP	22967	2/25/2016	13:37	BY TO-15	295	-6		
					O <sub>2</sub> , CO <sub>2</sub> , N <sub>2</sub> , CH <sub>4</sub> AND HELIUM BY ASTM D1946				
					APHSR) AROMATICS C8-C12 AND APH(G) ALIPHATICS C8-C12				
					BY TO-15				
Relinquished by: (signature) _____		Date/Time <u>2/25/2016 15:30</u>		Received by: (signature) _____		Date/Time <u>2/25/2016 15:30</u>		Notes: _____	
Relinquished by: (signature) _____		Date/Time <u>2/29/16 13:24</u>		Received by: (signature) _____		Date/Time <u>2/29-16 12-24</u>			
Relinquished by: (signature) _____		Date/Time _____		Received by: (signature) _____		Date/Time _____			

Lab Use Only

Shipper Name GAR D/O Air Bill # \_\_\_\_\_ Temp (°C) NA Condition 929 Custody Seals Intact?  Yes  No None Work Order # 1602579

3/11/2016

Mr. Belew Yifru

GHD

5900 Hollis Street

Suite A

Emeryville CA 94608

Project Name: FORMER CHEVRON 93322

Project #: 311806

Workorder #: 1602579C

Dear Mr. Belew Yifru

The following report includes the data for the above referenced project for sample(s) received on 2/29/2016 at Air Toxics Ltd.

The data and associated QC analyzed by Modified ASTM D-1946 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kyle Vagadori

Project Manager



**WORK ORDER #: 1602579C**

Work Order Summary

**CLIENT:** Mr. Belew Yifru  
 GHD  
 5900 Hollis Street  
 Suite A  
 Emeryville, CA 94608

**PHONE:** 510-420-0700

**FAX:** 510-420-9170

**DATE RECEIVED:** 02/29/2016

**DATE COMPLETED:** 03/11/2016

**BILL TO:** Accounts Payable  
 Chevron U.S.A. Inc.  
 6001 Bollinger Canyon Road  
 L4310  
 San Ramon, CA 94583

**P.O. #** NWENV00933220; SO 0015197

**PROJECT #** 311806 FORMER CHEVRON 93322

**CONTACT:** Kyle Vagadori

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	VP-1-5	Modified ASTM D-1946	5.1 "Hg	14.9 psi
02A	VP-3-5	Modified ASTM D-1946	1.6 "Hg	15 psi
03A	VP-4-5	Modified ASTM D-1946	6.9 "Hg	14.5 psi
04A	VP-4-5 DUP	Modified ASTM D-1946	6.9 "Hg	14.7 psi
05A	Lab Blank	Modified ASTM D-1946	NA	NA
05B	Lab Blank	Modified ASTM D-1946	NA	NA
06A	LCS	Modified ASTM D-1946	NA	NA
06AA	LCSD	Modified ASTM D-1946	NA	NA

CERTIFIED BY:   
 \_\_\_\_\_  
 Technical Director

DATE: 03/11/16

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,  
 TX NELAP - T104704343-14-7, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935  
 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)  
 Accreditation number: CA300005, Effective date: 10/18/2014, Expiration date: 10/17/2015.

Eurofins Air Toxics Inc. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563  
 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

**LABORATORY NARRATIVE**  
**Modified ASTM D-1946**  
**GHD**  
**Workorder# 1602579C**

Four 1 Liter Summa Canister (100% Certified) samples were received on February 29, 2016. The laboratory performed analysis via Modified ASTM Method D-1946 for Methane and fixed gases in air using GC/FID or GC/TCD. The method involves direct injection of 1.0 mL of sample.

On the analytical column employed for this analysis, Oxygen coelutes with Argon. The corresponding peak is quantitated as Oxygen.

Since Nitrogen is used to pressurize samples, the reported Nitrogen values are calculated by adding all the sample components and subtracting from 100%.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>ASTM D-1946</i>	<i>ATL Modifications</i>
Calibration	A single point calibration is performed using a reference standard closely matching the composition of the unknown.	A minimum of 5-point calibration curve is performed. Quantitation is based on average Response Factor.
Reference Standard	The composition of any reference standard must be known to within 0.01 mol % for any component.	The standards used by ATL are blended to a $\geq 95\%$ accuracy.
Sample Injection Volume	Components whose concentrations are in excess of 5 % should not be analyzed by using sample volumes greater than 0.5 mL.	The sample container is connected directly to a fixed volume sample loop of 1.0 mL on the GC. Linear range is defined by the calibration curve. Bags are loaded by vacuum.
Normalization	Normalize the mole percent values by multiplying each value by 100 and dividing by the sum of the original values. The sum of the original values should not differ from 100% by more than 1.0%.	Results are not normalized. The sum of the reported values can differ from 100% by as much as 15%, either due to analytical variability or an unusual sample matrix.
Precision	Precision requirements established at each concentration level.	Duplicates should agree within 25% RPD for detections $> 5 X$ 's the RL.

---

**Receiving Notes**

There were no receiving discrepancies.

**Analytical Notes**

There were no analytical discrepancies.

**Definition of Data Qualifying Flags**

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank greater than reporting limit.

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the detection limit.

M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

**Summary of Detected Compounds  
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946**

**Client Sample ID: VP-1-5**

**Lab ID#: 1602579C-01A**

<b>Compound</b>	<b>Rpt. Limit (%)</b>	<b>Amount (%)</b>
Oxygen	0.24	1.6
Nitrogen	0.24	86
Carbon Dioxide	0.024	12
Methane	0.00024	0.36

**Client Sample ID: VP-3-5**

**Lab ID#: 1602579C-02A**

<b>Compound</b>	<b>Rpt. Limit (%)</b>	<b>Amount (%)</b>
Oxygen	0.21	19
Nitrogen	0.21	80
Carbon Dioxide	0.021	1.0
Methane	0.00021	0.00023

**Client Sample ID: VP-4-5**

**Lab ID#: 1602579C-03A**

<b>Compound</b>	<b>Rpt. Limit (%)</b>	<b>Amount (%)</b>
Oxygen	0.26	1.6
Nitrogen	0.26	82
Carbon Dioxide	0.026	12
Methane	0.00026	4.8

**Client Sample ID: VP-4-5 DUP**

**Lab ID#: 1602579C-04A**

<b>Compound</b>	<b>Rpt. Limit (%)</b>	<b>Amount (%)</b>
Oxygen	0.26	1.6
Nitrogen	0.26	82
Carbon Dioxide	0.026	12
Methane	0.00026	4.8



Air Toxics

Client Sample ID: VP-1-5

Lab ID#: 1602579C-01A

**NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946**

File Name:	10030505	Date of Collection: 2/25/16 11:40:00 AM
Dil. Factor:	2.43	Date of Analysis: 3/5/16 08:03 AM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	1.6
Nitrogen	0.24	86
Carbon Dioxide	0.024	12
Methane	0.00024	0.36
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



Air Toxics

Client Sample ID: VP-3-5

Lab ID#: 1602579C-02A

**NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946**

File Name:	10030506	Date of Collection: 2/25/16 9:31:00 AM
Dil. Factor:	2.14	Date of Analysis: 3/5/16 08:28 AM

<b>Compound</b>	<b>Rpt. Limit (%)</b>	<b>Amount (%)</b>
Oxygen	0.21	19
Nitrogen	0.21	80
Carbon Dioxide	0.021	1.0
Methane	0.00021	0.00023
Helium	0.11	Not Detected

**Container Type: 1 Liter Summa Canister (100% Certified)**



Air Toxics

Client Sample ID: VP-4-5

Lab ID#: 1602579C-03A

**NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946**

File Name:	10030507	Date of Collection:	2/25/16 1:37:00 PM
Dil. Factor:	2.58	Date of Analysis:	3/5/16 08:54 AM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.26	1.6
Nitrogen	0.26	82
Carbon Dioxide	0.026	12
Methane	0.00026	4.8
Helium	0.13	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)





Air Toxics

Client Sample ID: VP-4-5 DUP

Lab ID#: 1602579C-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	10030508	Date of Collection: 2/25/16 1:37:00 PM
Dil. Factor:	2.60	Date of Analysis: 3/5/16 09:21 AM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.26	1.6
Nitrogen	0.26	82
Carbon Dioxide	0.026	12
Methane	0.00026	4.8
Helium	0.13	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1602579C-05A

**NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946**

File Name:	10030503	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/5/16 07:05 AM

<b>Compound</b>	<b>Rpt. Limit (%)</b>	<b>Amount (%)</b>
Oxygen	0.10	Not Detected
Nitrogen	0.10	Not Detected
Carbon Dioxide	0.010	Not Detected
Methane	0.00010	Not Detected

Container Type: NA - Not Applicable



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1602579C-05B

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	10030504c	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/5/16 07:34 AM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.050	Not Detected

Container Type: NA - Not Applicable



Air Toxics

Client Sample ID: LCS

Lab ID#: 1602579C-06A

**NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946**

File Name:	10030502	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/5/16 06:42 AM

Compound	%Recovery	Method Limits
Oxygen	97	85-115
Nitrogen	90	85-115
Carbon Dioxide	96	85-115
Methane	100	85-115
Helium	100	85-115

Container Type: NA - Not Applicable



Air Toxics

Client Sample ID: LCSD

Lab ID#: 1602579C-06AA

**NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946**

File Name:	10030515	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/5/16 01:08 PM

Compound	%Recovery	Method Limits
Oxygen	97	85-115
Nitrogen	90	85-115
Carbon Dioxide	98	85-115
Methane	100	85-115
Helium	100	85-115

Container Type: NA - Not Applicable

# Air TOXICS LTD.

## CHAIN-OF-CUSTODY RECORD

### Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B  
FOLSOM, CA 95630-4719  
(916) 985-1000 FAX (916) 985-1020

Page \_\_\_\_ of \_\_\_\_

Project Manager NATHAN LEE  
 Collected by: (Print and Sign) BELEW YIFRU  
 Company GHD Email NATHAN.LEE@GHD.COM  
 Address 5300 CLAYTON RD City CONCORD State CA Zip 94520  
 Phone 925 849 1003 Fax \_\_\_\_\_

<b>Project Info:</b> P.O. # _____ Project # <u>311 806</u> Project Name <u>FORMER CHEVRON 93322</u>	<b>Turn Around Time:</b> <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush <small>specify</small>	<small>Lab Use Only</small> Pressurized by: _____ Date: _____ Pressurization Gas: _____ N <sub>2</sub> He
	<small>specify</small>	

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum			
						Initial	Final	Receipt	Final (psi)
01A	VP-1-5	15768	2/25/2016	11:40	ALL SAMPLES	-30	-4		
02A	VP-3-5	13896	2/25/2016	9:31	TPHg, BTEX, MTBE	-30	-5		
03A	VP-4-5	37752	2/25/2016	13:37	AND NAPHTHALENE	-30	-6		
04X	VP-4-5 DUP	22967	2/25/2016	13:37	BY TO-15	29.5	-6		
					<ul style="list-style-type: none"> <li>O<sub>2</sub>, CO<sub>2</sub>, N<sub>2</sub>, CH<sub>4</sub></li> <li>AND HELIUM BY ASTM D-1946</li> <li>APH(sp) AROMATICS C2-C2</li> <li>AND APH(sp) ALIPHATICS C5-C12</li> <li>BY TO-15</li> </ul>				

Relinquished by: (signature) <u>[Signature]</u> Date/Time <u>5:30 2/25/2016</u>	Received by: (signature) <u>[Signature]</u> Date/Time <u>1:30 2/25/2016</u>	Notes:
Relinquished by: (signature) <u>[Signature]</u> Date/Time <u>2/29/16 12:24p</u>	Received by: (signature) <u>[Signature]</u> Date/Time <u>2-29-16 12-24</u>	
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	<u>GATE D/O</u>		<u>NA</u>	<u>922</u>	Yes No <u>None</u>	<u>1602579</u>

# Appendix H

## Soil Vapor Sampling Data Sheets



SOIL VAPOR SAMPLING DATA SHEET

CONESTOGA-ROVERS & ASSOCIATES

Project Name: FORMER CHEVRON 93322 Date: 2/25/2016  
 Project No: 311806 Sampler: BELOW YIFRU  
 Site Address: 7225 BANCROFT AVE PM: NATHAN LEE

Soil Vapor Sampling Point ID: VP-3

Leak Test (Shut-In)

Start Time:	End Time:
<u>8:58</u>	<u>9:08</u>

G0147378  
9:50

Purge Volume

Calculated Purge Volume: \_\_\_\_\_

Time	Flow Rate	Purged Volume	Comments
<u>9:13</u>	<u>200ml/min</u>	<u>372.2</u>	

Sample Collection

Flow Control Setting: \_\_\_\_\_ Summa Canister ID: 13876

Summa Canister Size: \_\_\_\_\_ Analysis: \_\_\_\_\_

Time Begin Sampling	Start Canister Vacuum	Time End Sampling	End Canister Vacuum	Total Time
<u>9:24</u>	<u>-30</u>	<u>9:31</u>	<u>-5</u>	

Tracer Compound

Tracer Compound Name: \_\_\_\_\_

Time	9:24	9:25	9:26	9:27	9:28	9:29	9:30
Tracer Compound %	<u>50.1</u>	<u>52.6</u>	<u>60.8</u>	<u>58.4</u>	<u>54.5</u>	<u>53.7</u>	<u>52.1</u>
Ambient Temp	_____		Atmospheric pressure	_____		Humidity	_____

Notes: VACUUM IN WALL 5" Hg

9:31  
50.2  
9:31  
9:32

Soil Vapor Sampling Point ID: \_\_\_\_\_

Leak Test (Shut-In)

Start Time:	End Time:

Purge Volume

Calculated Purge Volume: \_\_\_\_\_

Time	Flow Rate	Purged Volume	Comments

Sample Collection

Flow Control Setting: \_\_\_\_\_ Summa Canister ID: \_\_\_\_\_

Summa Canister Size: \_\_\_\_\_ Analysis: \_\_\_\_\_

Time Begin Sampling	Start Canister Vacuum	Time End Sampling	End Canister Vacuum	Total Time

Tracer Compound

Tracer Compound Name: \_\_\_\_\_

Time							
Tracer Compound %							
Ambient Temp	_____		Atmospheric pressure	_____		Humidity	_____

Notes: \_\_\_\_\_

SOIL VAPOR SAMPLING DATA SHEET

CONESTOGA-ROVERS & ASSOCIATES

Project Name: \_\_\_\_\_

Date: \_\_\_\_\_

Project No: \_\_\_\_\_

Sampler: \_\_\_\_\_

Site Address: \_\_\_\_\_

PM: \_\_\_\_\_

Soil Vapor Sampling Point ID: VP-2

Leak Test (Shut-In) WATER IN TUBING

Start Time:	End Time:
926	939

Purge Volume

Calculated Purge Volume: \_\_\_\_\_

Time	Flow Rate	Purged Volume	Comments
1008		372.2	

**Sample Collection**

Flow Control Setting: \_\_\_\_\_ Summa Canister ID: 22967

Summa Canister Size: 1-2 Analysis: \_\_\_\_\_

Time Begin Sampling	Start Canister Vacuum	Time End Sampling	End Canister Vacuum	Total Time
	29.5			

**Tracer Compound**

Tracer Compound Name: \_\_\_\_\_

Time							
Tracer Compound %							
Ambienr Temp	Atmospheric pressure		Humidity				

Notes: \_\_\_\_\_

Soil Vapor Sampling Point ID: \_\_\_\_\_

Leak Test (Shut-In)

Start Time:	End Time:

Purge Volume

Calculated Purge Volume: \_\_\_\_\_

Time	Flow Rate	Purged Volume	Comments

**Sample Collection**

Flow Control Setting: \_\_\_\_\_ Summa Canister ID: \_\_\_\_\_

Summa Canister Size: \_\_\_\_\_ Analysis: \_\_\_\_\_

Time Begin Sampling	Start Canister Vacuum	Time End Sampling	End Canister Vacuum	Total Time

**Tracer Compound**

Tracer Compound Name: \_\_\_\_\_

Time							
Tracer Compound %							
Ambienr Temp	Atmospheric pressure		Humidity				

Notes: \_\_\_\_\_

**SOIL VAPOR SAMPLING DATA SHEET**

CONESTOGA-ROVERS & ASSOCIATES

Project Name: \_\_\_\_\_ Date: \_\_\_\_\_  
 Project No: \_\_\_\_\_ Sampler: \_\_\_\_\_  
 Site Address: \_\_\_\_\_ PM: \_\_\_\_\_

Soil Vapor Sampling Point ID: VP-1

Leak Test (Shut-In) 60141318 -1153

Start Time:	End Time:
10:45	11:02

Purge Volume

Calculated Purge Volume: \_\_\_\_\_

Time	Flow Rate	Purged Volume	Comments
11:27	200 ml/min	372.2 cc	

**Sample Collection**

Flow Control Setting: \_\_\_\_\_ Summa Canister ID: 15768

Summa Canister Size: \_\_\_\_\_ Analysis: \_\_\_\_\_

Time Begin Sampling	Start Canister Vacuum	Time End Sampling	End Canister Vacuum	Total Time
11:35	-30		-4	

**Tracer Compound**

Tracer Compound Name: \_\_\_\_\_

Time	11:35	11:36	11:37	11:38	11:39	11:40	11:40
Tracer Compound %	47.3	49.2	56.4	57.2	58.0	57.2	56.1

Ambient Temp \_\_\_\_\_ Atmospheric pressure \_\_\_\_\_ Humidity \_\_\_\_\_

Notes: \_\_\_\_\_

Soil Vapor Sampling Point ID: VP-1

Leak Test (Shut-In)

Start Time:	End Time:
11:35	

Purge Volume

Calculated Purge Volume: \_\_\_\_\_

Time	Flow Rate	Purged Volume	Comments

**Sample Collection**

Flow Control Setting: \_\_\_\_\_ Summa Canister ID: \_\_\_\_\_

Summa Canister Size: \_\_\_\_\_ Analysis: \_\_\_\_\_

Time Begin Sampling	Start Canister Vacuum	Time End Sampling	End Canister Vacuum	Total Time

**Tracer Compound**

Tracer Compound Name: \_\_\_\_\_

Time							
Tracer Compound %							

Ambient Temp \_\_\_\_\_ Atmospheric pressure \_\_\_\_\_ Humidity \_\_\_\_\_

Notes: \_\_\_\_\_

SOIL VAPOR SAMPLING DATA SHEET

CONESTOGA-ROVERS & ASSOCIATES

Project Name: \_\_\_\_\_ Date: \_\_\_\_\_  
 Project No: \_\_\_\_\_ Sampler: \_\_\_\_\_  
 Site Address: \_\_\_\_\_ PM: \_\_\_\_\_

Soil Vapor Sampling Point ID: VP-4

Leak Test (Shut-In)

Start Time:	End Time:
1201	1230

G-0145554

Purge Volume

Calculated Purge Volume: \_\_\_\_\_

Time	Flow Rate	Purged Volume	Comments
1318	200 ml/min	372.2 cc	

Sample Collection

Flow Control Setting: \_\_\_\_\_ Summa Canister ID: 37752

Summa Canister Size: 1-2 Analysis: \_\_\_\_\_

Time Begin Sampling	Start Canister Vacuum	Time End Sampling	End Canister Vacuum	Total Time
1326	-25	1337	-6	

Tracer Compound

Tracer Compound Name: He

Time	1327	1330	1333	1335	1337		
Tracer Compound %	55.6	50.7	59.4	65.2	57.9		
Ambient Temp	65 F		Atmospheric pressure			Humidity	

Notes:

Soil Vapor Sampling Point ID: VP-4-DUP

Leak Test (Shut-In)

Start Time:	End Time:
1201	1230

G-0143420

Purge Volume

Calculated Purge Volume: \_\_\_\_\_

Time	Flow Rate	Purged Volume	Comments
1318	200 ml	372.2	

Sample Collection

Flow Control Setting: \_\_\_\_\_ Summa Canister ID: 22967

Summa Canister Size: 1-2 Analysis: \_\_\_\_\_

Time Begin Sampling	Start Canister Vacuum	Time End Sampling	End Canister Vacuum	Total Time
1326	-25	1337	-6	

Tracer Compound

Tracer Compound Name: He

Time							
Tracer Compound %							
Ambient Temp	68		Atmospheric pressure			Humidity	

Notes:

# Appendix I Utility Maps and Report





May 22, 2015

Kiersten Hoey  
Conestoga-Rovers & Associates  
5900 Hollis Street, Ste. A  
Emeryville, CA 94608

Subject: Utility Location Survey  
Former Chevron Station #93322  
7225 Bancroft Avenue  
Oakland, California

NORCAL Job No: 15-462.210

Dear Kiersten:

This report presents the findings of a geophysical utility location survey performed by NORCAL Geophysical Consultants, Inc. at the subject site; the facility is currently an active Valero Station. The field survey was conducted on May 15<sup>th</sup>, 2015 by NORCAL California Professional Geophysicist David T. Hagin PGp 1033 and Senior Geophysical Technician Travis W. Black. Site information and logistical support were provided onsite by Mr. Belew Yifru of Conestoga-Rovers & Associates (CRA).

## **1.0 SCOPE OF WORK and SITE DESCRIPTION**

The scope of work, as outlined by CRA, includes locating detectable subsurface utilities or other subsurface features within exterior portions of the service station and a portion of the sidewalk along 73<sup>rd</sup> Avenue, as indicated on Plate 1 by the green dashed line. The area of investigation is a flat, asphalt and concrete surfaced lot on the northwest corner of the intersection of Bancroft Avenue and 73<sup>rd</sup> Avenue. A central station building, pump islands/canopy, air/water cabinet, public payphone, storage building and several planters, light standards and station signs are found onsite. At the time of the survey the ground surface was dry. We performed the utility location survey as part of an ongoing remediation plan currently managed by CRA. The current phase of this project involves the planned drilling of eight soil borings (SB-7 through SB-14) and the completion of a contaminant preferential pathway study by CRA.

## **2.0 FIELD INVESTIGATIONS**

### **2.1 EQUIPMENT**

We investigated the designated survey area using the electromagnetic line locating/metal detection (EMLL) and ground penetrating radar (GPR) methods. The EMLL method was used in



Conestoga, Rovers & Associates

May 22, 2015

Page 2

the electromagnetic conduction, ambient and metal detection (MD) modes. The conduction mode was used to locate metal utilities that are accessible from the surface in at least one location. This is typically done by applying a current to a line by directly connecting the transmitter to the exposed utility through a vault or a hose bib and operating a receiver to trace respective lines. The ambient procedure was used to locate utilities that exhibit currents already flowing on the line (passive signals). The most common passive signals are generated by live electric lines, water lines acting as electrical grounds and metal pipes re-radiating radio signals.

The MD mode is used to locate metal utilities that are not accessible at the surface and isolated buried objects such as USTs, utility vaults, and other metallic features or debris. This is done by holding the transmitter-receiver unit above the ground and continuously scanning over the surface. Metallic utilities and isolated objects will produce a response indicating when the unit is directly over the metal object.

The GPR method was used to confirm the location of the utilities detected with the EMLL, and to locate possible non-metallic utilities. Since GPR depth of detection is based on site specific soil conditions, not all subsurface features are detectable. Descriptions of the MD, EMLL, and GPR methods are provided in Appendix A.

## 2.2 SITE SURVEY

We investigated the designated survey area for detectable underground utilities and other potential subsurface features. The locations of all detected utilities were identified on the ground surface with lumber crayon. Detected utilities in the immediate vicinity of a planned borehole were identified with marking paint. A brief description of our field procedures is presented below:

- Site Reconnaissance: We visually inspected the immediate area to locate visible utility vaults, valves, clean-outs, meters, hose bibs, etc.
- EMLL Direct Connect and Induction Survey: We traced accessible utilities using the EMLL direct connect and induction methods, as described above.
- EMLL Ambient Survey: We used the EMLL ambient procedure to investigate the survey area for non-accessible utilities emitting a passive signal, as described above.
- EMLL Metal Detection (MD) Survey: We scanned the survey area with the MD to investigate for metal utilities that were not accessible at the surface. Since the specific type of utility (i.e. water, gas, etc.) cannot be determined by this method, they are referred to as undifferentiated utilities. We also used the MD method to investigate the survey area for possible buried metal objects.





Conestoga, Rovers & Associates

May 22, 2015

Page 3

- GPR Survey: We obtained GPR data throughout the survey area. We examined the GPR records for reflection patterns characteristic of underground utilities and other potential subsurface objects, as well as changes in fill material that may be associated with backfilled trenches, utility corridors or USTs.
- Field Survey Map: Upon completion of the area survey, we drafted a scaled site diagram showing the limits of the geophysical survey, structures or above ground cultural features that are in close proximity to the site, and the locations of detected subsurface objects and utility alignments. The physical locations of detected features were obtained by measuring distances from specific features on site.

### 3.0 LIMITATIONS

All of the geophysical methods used for this investigation have limitations that may not allow for the detection of certain subsurface features due to size, depth, subsurface conditions or the proximity of above ground objects. Additionally, above-ground metallic items can create instrumental interference and limit the detection abilities of the EMLL and MD. Also, highly conductive soils tend to reduce the depth of investigation for the GPR. The specific limitations for each method are described in Appendix A.

### 4.0 RESULTS

The results of the geophysical investigation are summarized on the Utility Map presented on Plate 1. Features mapped in the field by NORCAL personnel have been drafted to produce the map. This map depicts the locations of pertinent above-ground site features, the survey limits, the locations of detected underground utility lines, several localized GPR anomalies and the locations of the proposed soil borings, as listed in the map legend.

We detected numerous electrical lines as well as water, and vent lines. The product line zone likely contains the product lines as well as the vapor return lines. In addition, several undifferentiated (unknown) utility lines were located. We also detected an apparent utility trench near SB-11; however, based on its location and the diagram supplied by CRA this apparent trench may be associated with remnants of the former station building foundation. Several localized GPR anomalies were detected near the western pump islands that may also be associated with remnants of the former station building. The locations and positions of these features are presented on Plate 1.

Additionally, anticipated utilities that were not specifically detected include the interconnecting lines between the USTs, a water line servicing the building, sanitary sewer, storm drain and



Conestoga, Rovers & Associates  
May 22, 2015  
Page 4

natural gas lines; however, it is possible that some of the undifferentiated utility lines may represent these anticipated lines. Based on the location of the sanitary sewer clean out near the station building it is expected that a sanitary sewer line may extend from the station building toward Halliday Avenue. Also, based on the diagram provided by CRA the storage building may once have served as a restroom; thus, a sanitary sewer line may extend from the storage building toward Halliday Avenue, as suggested by the adjacent sanitary sewer clean out. No natural gas line was detected; however, there were no meters or other visual indications of the presence of a natural gas line on site.

### **5.0 STANDARD CARE AND WARRANTY**

The scope of NORCAL's services for this project consisted of using geophysical methods to explore the area of investigation for underground utilities. The accuracy of our findings is subject to specific site conditions and limitations inherent to the techniques used. We performed our services in a manner consistent with the level of skill ordinarily exercised by members of the profession currently employing similar methods. No warranty, with respect to the performance of services or products delivered under this agreement, expressed or implied, is made by NORCAL.

We appreciate having the opportunity to provide our geophysical services to CRA. If you have any questions, or require additional geophysical services, please do not hesitate to call.

Respectfully,

NORCAL Geophysical Consultants, Inc.

A handwritten signature in purple ink that reads "David Hagin".

David T. Hagin  
Professional Geophysicist, PGp 1033

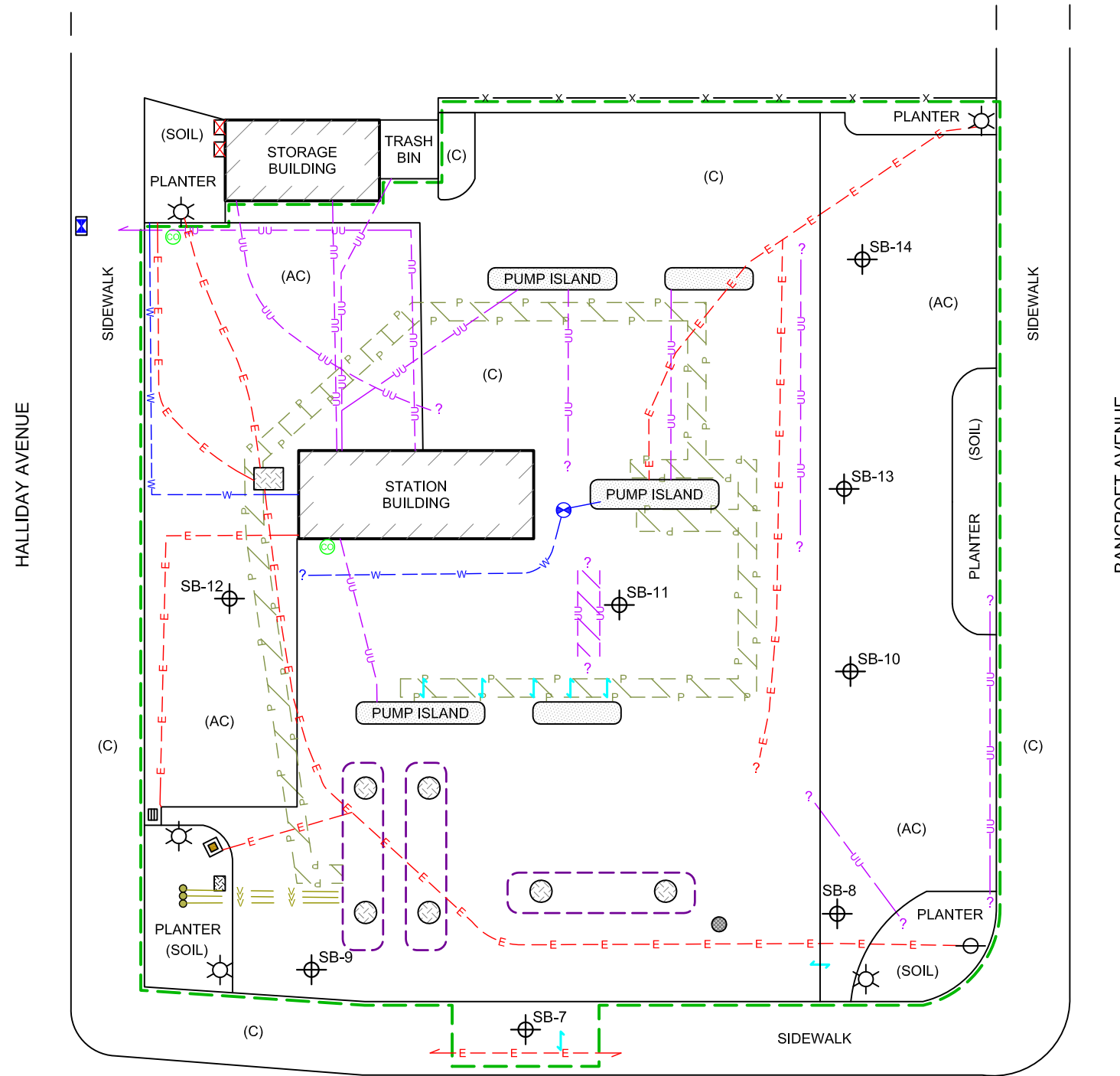
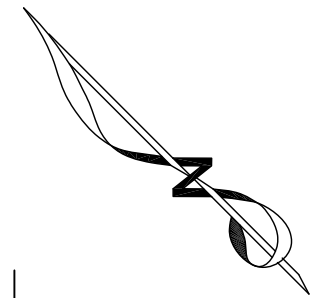
DTH/KGB/tt

Enclosure:    Plate 1:            GEOPHYSICAL SURVEY MAP  
                  Appendix A:    GEOPHYSICAL METHODOLOGY

**LIMITATIONS:**

The detected utilities, as shown, may not represent all of the existing underground utilities as there are limitations unique to each geophysical method. These limitations may include: 1) subsurface targets too small or at depths beyond the detection limits of specific instruments, 2) subsurface targets not having a significant contrast in physical properties with the surrounding soils and 3) other cultural features above or below ground that cause instrumental interference and do not allow the detection of certain subsurface targets.

Some utilities may not be detectable using standard line location techniques, such as certain abandoned utilities, utilities not exposed at the ground surface, or those made of non-electrically conductive materials such as PVC, fiberglass, vitrified clay, metal pipes with insulating joints, communication lines, and non-energized electrical lines. In addition, utilities with tracer wires may be unavailable to private utility locating companies due to security reasons.



LEGEND	
	LIMITS OF UTILITY SURVEY
	ELECTRIC LINE
	PRODUCT LINE ZONE
	UNDIFFERENTIATED UTILITY LINE
	UTILITY TRENCH
	VENT LINE
	WATER LINE
	LOCALIZED GPR ANOMALY
	UTILITY LINE CONTINUATION (LINE IS SUSPECTED TO CONTINUE BEYOND DETECTED LOCATION)
	UTILITY LINE NOT DETECTED BEYOND LOCATION (LINE MAY TERMINATE OR CONTINUE)
	FENCE
	PROPOSED BORING LOCATION
	AIR/WATER CABINET
	ELECTRIC CABINET/METER
	ELECTRIC VAULT
	LIGHT POST
	MANWAY
	METAL PLATE
	SANITARY SEWER CLEANOUT
	SIGN POST
	STORM DRAIN CATCH BASIN
	UNDERGROUND STORAGE TANK
	UTILITY BOX
	VENT PIPE
	WATER BIB
	WATER METER
(AC)	ASPHALT
(C)	CONCRETE

	<b>UTILITY MAP</b>	
	<b>7225 BANCROFT AVENUE</b>	
	LOCATION: OAKLAND, CALIFORNIA	
	CLIENT: CRA	<b>PLATE</b> <b>1</b>
JOB #: 15-462.210	NORCAL GEOPHYSICAL CONSULTANTS INC.	
DATE: MAY 2015	DRAWN BY: G.RANDALL	APPROVED BY: DTH



PERSONNEL: DTH

CLIENT: GHD

JOB: 16-319.23

DATE: 1/12/16

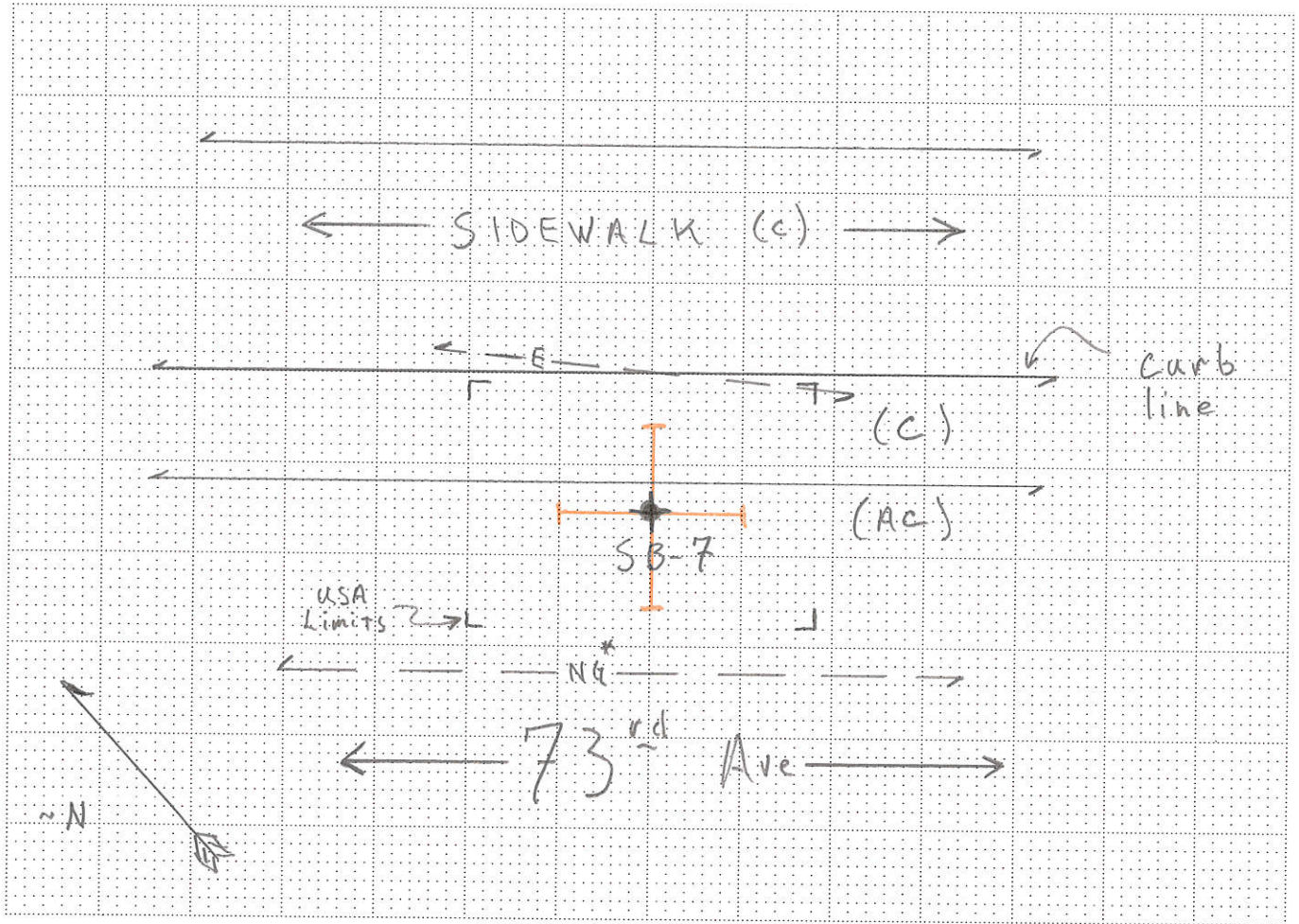
LOCATION: 7225 Bancroft Ave., Oakland



**NORCAL**

GEOPHYSICAL CONSULTANTS INC.

BORING: SB-7 (relocated)



Scale: 1" = 10'

EXPLANATION

- Original Boring Location
- Final Boring Location
- Existing Well Location
- GPR Traverse
- Localized GPR Anomaly
- Utility Alignment

Utilities

- I (Telephone, Comm.)
- E (Electric)
- NG (Natural Gas)
- CA (Compressed Air)
- STM (Steam)
- SS (Sanitary Sewer)
- SD (Storm Drain)
- W (Water)
- FS (Fire Suppression)
- UU (Undifferentiated Utility)

Surface

- RC (Reinforced Concrete)
- AC (Asphalt)
- C (Concrete)
- Soil
- Gravel
- other

NOTES

- | Equipment:                                      | Procedure:  | Surface Conditions:                     |
|---|---|---|
| <input checked="" type="checkbox"/> GPR (Radar) | <input type="checkbox"/> EMC (Conduction)           | <input type="checkbox"/> Wet            |
| <input checked="" type="checkbox"/> RD 4000     | <input checked="" type="checkbox"/> EMI (Induction) | <input checked="" type="checkbox"/> Dry |
| <input checked="" type="checkbox"/> M Scope     | <input checked="" type="checkbox"/> Ambient         | <input type="checkbox"/> other          |
| <input type="checkbox"/> other                  | <input checked="" type="checkbox"/> GPR             |   |

REMARKS

NG\* = as marked by others.