



**CONESTOGA-ROVERS
& ASSOCIATES**

5900 Hollis St., Suite A
Emeryville, California 94608
Telephone: (510) 420-0700 Fax: (510) 420-9170
www.CRAworld.com

TRANSMITTAL

DATE: 4/17/2015 REFERENCE NO.: 311977
PROJECT NAME: Chevron Station 90076
RO 0000427

TO: Mark Detterman
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

RECEIVED

By Alameda County Environmental Health 2:19 pm, Apr 20, 2015

Please find enclosed: Draft Final
 Originals Other
 Prints

Sent via: Mail Same Day Courier
 Overnight Courier Other Alameda County FTP Upload and Geotracker

QUANTITY	DESCRIPTION
1	SITE INVESTIGATION REPORT, UPDATED FOCUSED SITE CONCEPTUAL MODEL, AND WORK PLAN

As Requested For Review and Comment
 For Your Use _____

COMMENTS:

Copy to: Mark Horne (Chevron) e-copy
Ms. Josephine N. Le
4265 Foothill Boulevard
Oakland, California 94601

Completed by: Nathan Lee
[Please Print]

Signed: *Nathan Lee*

Filing: **Correspondence File**



Mark Horne
Project Manager
Marketing Business Unit

**Chevron Environmental
Management Company**
6101 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 790-3964
markhorne@chevron.com

Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Chevron Service Station No. 90076
4265 Foothill Boulevard
Oakland, CA

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

I agree with the conclusions and recommendations presented in the referenced report. 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 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 black ink that reads "Mark E. Horne".

Mark Horne
Project Manager

Attachment: *Site Investigation Report, Updated Focused Site Conceptual Model, and Work Plan*.



SITE INVESTIGATION REPORT, UPDATED FOCUSED SITE CONCEPTUAL MODEL, AND WORK PLAN

**CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA
ACEH CASE RO# 0427**

Prepared for:

**Mr. Mark Detterman
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577**

**Prepared by:
Conestoga-Rovers
& Associates**

5900 Hollis Street, Suite A
Emeryville, California
U.S.A. 94608

Office: (510) 420-0700
Fax: (510) 420-9170

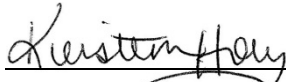
web: <http://www.CRAworld.com>

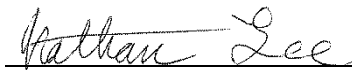
**APRIL 17, 2015
REF. NO. 311977 (18)**



SITE INVESTIGATION REPORT, UPDATED FOCUSED SITE CONCEPTUAL MODEL, AND WORK PLAN

CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA
ACEH CASE RO# 0427


Kiersten Hoey


Nathan S. Lee, PG 8684



Prepared by:
**Conestoga-Rovers
& Associates**

5900 Hollis Street, Suite A
Emeryville, California
U.S.A. 94608

Office: (510) 420-0700
Fax: (510) 420-9170

web: <http://www.CRAworld.com>

APRIL 17, 2015
REF. NO. 311977 (18)

Table of Contents

		Page
Section 1.0	Introduction.....	1
Section 2.0	Site Background	1
2.1	Site Description.....	1
2.2	Previous Environmental Work.....	2
2.3	Site Geology.....	2
2.4	Site Hydrogeology.....	2
Section 3.0	Subsurface Investigation	2
3.1	Site-Specific Health and Safety Plan	3
3.2	Permits.....	3
3.3	Utility Clearance.....	3
3.4	Drilling.....	3
3.4.1	Soil Borings.....	3
3.4.2	Monitoring Well Installation.....	3
3.4.3	Soil Vapor Probe Installation	4
3.5	Soil Sampling.....	4
3.6	Well Development.....	5
3.7	Groundwater Sampling.....	5
3.8	Soil Vapor Sampling	5
3.9	Chemical Analyses	6
3.10	Well Survey	7
3.11	Waste Disposal.....	7
Section 4.0	Conceptual Site Model	7
4.1	Petroleum Hydrocarbon Source	7
4.2	Distribution of Constituents of Concern.....	7
4.3	Hydrocarbon Source Remediation.....	7
4.3	Light Non-Aqueous Phase Liquid (LNAPL)	8
4.4	Petroleum Hydrocarbon Distribution in Soil.....	8
4.5	Petroleum Hydrocarbon Distribution in Groundwater.....	9
4.6	Dissolved Hydrocarbon Concentration Trends and Projections.....	10
4.7	Petroleum Hydrocarbon Distribution in Soil Vapor.....	11
4.8	Sensitive Receptors.....	13
4.9	Preferential Pathway Study	13
Section 5.0	Data Gap Evaluation and Conclusions.....	14
Section 6.0	Recommendations and Work Plan.....	14
6.1	Permits.....	15
6.2	Site Specific Health and Safety Plan.....	15
6.3	Utility Location and Clearance.....	15
6.4	Groundwater Monitoring Well Installation	15
6.5	Soil Sampling.....	15
6.6	Well Development and Sampling	16

Table of Contents (continued)

	Page
6.7 Chemical Analysis.....	16
6.8 Waste Disposal.....	16
6.9 Reporting	16
Section 7.0 Closing	17

**List of Figures
(Following Text)**

Figure 1	Vicinity Map
Figure 2	Site Plan
Figure 3	Site Plan with Underground Utilities
Figure 4	Geologic Cross-Section A-A'
Figure 5	Geologic Cross-Section B-B'
Figure 6	Maximum TPHg Concentrations in Soil, 0-5 fbg
Figure 7	Maximum TPHg Concentrations in Soil, >5-10 fbg
Figure 8	Maximum TPHg Concentrations in Soil, >10-20 fbg
Figure 9	Maximum TPHg Concentrations in Soil, >20-45 fbg
Figure 10	Maximum Benzene Concentrations in Soil, 0-5 fbg
Figure 11	Maximum Benzene Concentrations in Soil, >5-10 fbg
Figure 12	Maximum Benzene Concentrations in Soil, >10-20 fbg
Figure 13	Maximum Benzene Concentrations in Soil, >20-45 fbg
Figure 14	TPHg Concentration in Groundwater March 10, 2015
Figure 15	Benzene Concentration in Groundwater March 10, 2015
Figure 16	MTBE Concentration in Groundwater March 10, 2015
Figure 17	Groundwater Contour March 10, 2015

**List of Tables
(Following Text)**

Table 1	Cumulative Soil Analytical Data
Table 1A	Soil Analytical Data – Volatile Organic Compounds
Table 1B	Soil Analytical Data – Semi-Volatile Organic Compounds
Table 2	Cumulative Soil Vapor Analytical Data
Table 3	Groundwater Monitoring and Sampling Data
Table 4	Well Construction Details

List of Appendices

Appendix A	Regulatory Correspondences
Appendix B	Summary of Environmental Investigation and Remediation
Appendix C	Boring Logs
Appendix D	Permits
Appendix E	Standard Field Procedures for Soil Borings, Well Installations, Soil Vapor Probe Installations, and Soil Vapor Sampling
Appendix F	Soil, Soil Vapor and Groundwater Analytical Laboratory Reports
Appendix G	Well Development Data and Groundwater Monitoring Sheets
Appendix H	Soil Vapor Sampling Data Sheets
Appendix I	Well Survey Data
Appendix J	Trend Graphs and Degradation Calculations
Appendix K	Weiss Associates Well Location Map and Table

Section 1.0 Introduction

Conestoga-Rovers & Associates (CRA) is submitting this *Site Investigation Report, Updated Focused Site Conceptual Model, and Work Plan* for the site referenced above (Figure 1) on behalf of Chevron Environmental Management Company (EMC). CRA performed the site investigation as outlined in CRA's *Soil Vapor Sampling, Preferential Pathway Study, and Work Plan* dated September 14, 2012 and CRA's *Updated Site Plan* dated May 22, 2014, approved by Alameda County Environmental Health (ACEH) in a letter dated July 9, 2014 (Appendix A). The subsurface investigation purpose was to assess onsite soil conditions in the former dispensers locations, former used-oil tank, and former boring C-A, to further evaluate the downgradient extent of dissolved hydrocarbons in the shallow water zone, and to assess potential vapor intrusion risks to adjacent properties to the northwest and southwest. The due date for submittal of this report was extended from October 17, 2014 to April 17, 2015 as outlined in ACEH correspondences (Appendix A) due to the City of Oakland requirements to obtain an encroachment permit. The investigation results, Focused Conceptual Site Model (CSM), data gap evaluation, and recommendations are presented below.

Section 2.0 Site Background

2.1 Site Description

The site is an active Chevron-branded service station located on the western corner of the intersection of Foothill Boulevard and High Street in Oakland, California (Figures 2 and 3). Surrounding land use is mixed commercial and residential. A Westco station (former BP station Fuel Leak Case RO0426) is located north (upgradient) across Foothill Boulevard, and a former Shell station (Fuel Leak Case RO415) is located southeast (crossgradient) across High Street. Foothill High School is located east across the intersection of Foothill Boulevard and High Street, a single family home is located adjacent to the site to the southwest, and an apartment building is located adjacent to the site to the northwest.

Chevron purchased the subject property, developed it into a service station, and began operation in 1966. The station and all site facilities were reconstructed in 1987 into its current configuration. Dispenser and product line replacements occurred sometime in the 1980s and in 1997. Current site facilities consist of a kiosk, five dispenser islands beneath a common canopy and a building which appears to be a storage and restroom facility. Three 10,000-gallon double-walled fiberglass gasoline underground storage tanks (USTs) are located in a common pit, located directly to the kiosk's southwest. The previous USTs were located in the same location. A former used-oil UST, located between the kiosk and gasoline UST complex, was removed in 1987 and was not replaced.

2.2 Previous Environmental Work

The site has been an open environmental case since 1989 under ACEH jurisdiction (Fuel Leak Case Number RO0427 and GeoTracker Global ID T0600100339). Since 1987, a total of seven soil borings have been advanced, six vapor probes and eleven monitoring wells have been installed. A groundwater extraction system operated between 1991 to 1993 in well C-2 and extracted approximately 10,200 gallons of groundwater. A summary of environmental investigation and remediation is presented in Appendix B.

2.3 Site Geology

The site is predominantly underlain by clays and silts to the maximum depth explored of approximately 59 feet below grade (fbg). A sand unit with an average thickness of 5 feet is encountered in several borings at depths ranging from 10 to 20 fbg, and a gravel unit is encountered in some borings between 45 to 55 fbg. Boring logs are included in Appendix C and geologic cross-sections are presented on Figures 4 and 5.

2.4 Site Hydrogeology

The site elevation is approximately 40 feet above mean sea level. Topography in the area slopes gently southwest, towards the San Francisco Bay. The nearest surface water is the Oakland Inner Harbor, approximately 0.9 miles southwest. Groundwater monitoring has been ongoing since 1989. Historically, depth to groundwater in onsite wells has ranged from approximately 7 to 30 fbg, but is typically between 10 to 20 fbg; and depth to water in offsite, downgradient wells has historically ranged from 20 to 44 fbg, but is typically between 20 and 25 fbg. Depth to groundwater in onsite wells C-4 and C-10 is generally a few feet shallower than the other onsite wells. Both wells are located adjacent to onsite catch basins, which may contribute to the shallower groundwater at these locations (Figure 3). Groundwater flow is typically south-southwest with a gradient of 0.04 to 0.1.

Section 3.0 Subsurface Investigation

To assess the first generation dispensers, including area of former boring C-A, and former used-oil UST areas, CRA advanced soil borings B-1 through B-6. To further evaluate dissolved hydrocarbon concentrations in shallow groundwater downgradient, CRA installed offsite monitoring well C-11 to 20 fbg, adjacent to well C-7. CRA attempted to install a shallow well adjacent to offsite well C-6, but no water was encountered, so a well was not installed. To assess potential vapor intrusion risks to adjacent properties, CRA installed soil vapor probes VP-4, VP-5, and VP-6 along the southern and western property boundaries (Figure 2). Field activities are summarized below.

3.1 Site-Specific Health and Safety Plan

CRA 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

CRA obtained Alameda County Public Works Agency drilling permits W2014-0515 through W2014-0518, City of Oakland excavation permits X1500034 and X1500035, obstruction permit OB1500012, and traffic control permit 14-0231 to conduct work with in the public right-of-ways. All permits are included in Appendix D.

3.3 Utility Clearance

Prior to drilling, CRA contacted Underground Service Alert (USA) to mark existing underground utilities near the proposed boring locations. CRA contracted Norcal Geophysical Consultants, Inc. (Norcal) of Cotati, California to verify underground utility locations near the proposed locations. A metal detector, tracer cable, electronic line location equipment, and ground penetrating radar (GPR) were used by Norcal to determine utility locations in the areas of the proposed 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 2 and 6, 2015, Gregg Drilling and Testing, Inc (Gregg) of Martinez, California (C57 license #485165) was contracted to advance seven soil borings, install one monitoring well and install three soil vapor probes. CRA personnel managed the drilling under the supervision of California Professional Geologist Nathan Lee, PG 8486. Standard field procedures for soil boring and monitoring well installation, and soil vapor probe installation and sampling are presented in Appendix E.

3.4.1 Soil Borings

Following the borehole clearance to 8 fbg, borings B-1 through B-6 were advanced using direct-push technology 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 C.

3.4.2 Monitoring Well Installation

Following the borehole clearance to 8 fbg, direct-push was also utilized to determine lithology, groundwater depth, and to collect soil samples prior to monitoring well installation. Boring C-11 was advanced to 28 fbg and C-12 was advanced to 30 fbg (Figure 2). No indication of groundwater was observed to 30 fbg in boring C-12, therefore, a well was not installed, and the boring was backfilled with

Portland Type II/V cement. On February 3, 2015, CRA notified ACEH by telephone that a well would not be installed in C-12.

Following direct-push advancement of C-11, 8-inch hollow-stem augers were advanced to approximately 20 fbg. The monitoring well was constructed with 2-inch diameter Schedule 40 polyvinyl chloride (PVC) and screened with a 0.020-inch factory-machine slotted PVC from 10 to 20 fbg. Monterey #3 sand was used to fill the annular space from 21 fbg to approximately 8 fbg, 2 feet above the screened interval. Then approximately 2 feet of hydrated bentonite seal was placed above the sand pack. The remainder of the well annulus was backfilled with Portland Type II/V cement to approximately 1 fbg. A well box equipped with a traffic-rated lid was installed flush to grade with concrete. A well log is included in Appendix C.

3.4.3 Soil Vapor Probe Installation

Soil vapor probes VP-4 through VP-6 were installed according to the Department of Toxic Substances Control (DTSC)'s *Active Soil Gas Investigation Advisory* dated April 2012 and the *Vapor Intrusion Guidance* dated October 2011 using a 3-inch diameter hand auger to approximately 6 fbg. An attempt to install VP-4 as a nested vapor probe at 6 fbg and 11 fbg was terminated as groundwater was encountered at approximately 6 fbg. A permeable, stainless-steel probe tip connected to ¼-inch outside diameter Teflon tubing via a push-to-connect fitting was placed approximately 6 inches from the base of the boring. From the base of the boring to approximately 4 fbg a #2/12 filter sand was placed. A 12-inch layer of dry granular bentonite was placed above the sand filter pack. Pre-hydrated granular bentonite was then poured to fill the borehole. The tube was capped and placed within a traffic rated well box, finished flush to grade. Vapor probe construction and boring logs are included in Appendix C.

3.5 Soil Sampling

Soil samples were collected at approximately 3 fbg, 8 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. With the exception was boring B-5, in which soil samples were collected from the hand auger bucket, all remaining relatively undisturbed soil samples were collected from acetate lined direct push samplers. Soil samples from B-5, located in an area of underground utilities, were collected from the hand auger bucket to ensure worker safety. Soil was continuously logged using the ASTM D2488-06 Unified Soil Classification System and screened using a photo ionization detector (PID). Samples collected for analyses 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.

3.6 Well Development

On March 3, 2015, Blaine Tech Services, Inc. (Blaine Tech) of San Jose, California developed C-11 by alternating surging the well with a bailer and purging the well with a pump to draw groundwater into the well and remove accumulated sediments. Well development sheets are included in Appendix F.

3.7 Groundwater Sampling

On March 10, 2015, Blaine Tech monitored and sampled wells C-1 through C-6, C-8, C-10, and C-11. Wells C-7 and C-9 were not sampled because the property was recently sold and the new property owner has yet to provide access to the monitoring wells. EMC is currently working on obtaining access with the new property owner. Blaine Tech's *First Quarter 2015 Monitoring* is included in Appendix F.

3.8 Soil Vapor Sampling

On February 17, 2015, CRA collected vapor samples from VP-1, VP-3, VP-4, VP-5 and VP-6 (water was encountered while sampling VP-2 and was not sampled) using 100 percent laboratory certified 1-liter Summa™ canisters. Prior to collecting a 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 was observed on the vacuum gauge. In accordance with the DTSC *Advisory – Active Soil Gas Investigation* guidance document, dated April 2012, 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 sub-slab 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

sorbet tube until the desired volume has been collected. Approximately 200 milliliters of vapor was collected for each sorbent tube sample.

CRA's *Standard Field Procedures for Soil Vapor Probe Installation and Soil Vapor Sampling* is presented in Appendix E. Laboratory analytical reports are presented in Appendix G. Soil vapor sampling data sheets are presented in Appendix H.

3.9 Chemical Analyses

All soil samples collected were analyzed by Eurofins for the following:

- Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015.
- Benzene, toluene, ethylbenzene and xylenes (BTEX), methyl tertiary butyl ether (MTBE), and naphthalene by EPA Method 8260B.

Select soil samples collected from boring B5 were additionally analyzed by Eurofins for the following:

- Total petroleum hydrocarbons as motor oil (TPHmo) and total petroleum hydrocarbon as diesel (TPHd) by EPA Method 8015.
- Full Scan of Volatile organic compounds (VOCs) by EPA Method 8260
- Semi-volatile organic compounds (SVOCs) by EPA Method 8270C
- Pesticides and polychlorinated biphenyls (PCBs) by EPA Method 8082
- Cadmium, chromium, lead, nickel, and zinc by EPA Method 6010B

Groundwater samples collected from monitoring wells were analyzed by Eurofins for the following:

- TPHg by EPA Method 8015
- BTEX, MTBE and ethanol by EPA Method 8260B

Soil vapor samples were analyzed by EATI for the following constituents:

- TPHg, BTEX, MTBE and naphthalene by EPA method TO-15
- Naphthalene by EPA method TO-17
- Air Phase Hydrocarbons (APH) Fractions (Sp) Aromatics C8-C12 by Modified TO-15 GC/MS Full Scan
- APH Fractions (Sp) Aliphatics C5-C12 by Modified TO-15 GC/MS Full Scan
- Oxygen (O₂), carbon dioxide (CO₂), Nitrogen (N₂), Methane (CH₄), and helium (He) by ASTM D-1946 (GC/TCD)

Soil, groundwater, and soil gas laboratory analytical reports are included in Appendix 8.

3.10 Well Survey

On February 25, 2015, Morrow Surveying, Inc. of West Sacramento, California (Morrow) surveyed the monitoring well and vapor probe geographical coordinates and the monitoring wells' top of casing elevation. Survey data is included in Appendix I.

3.11 Waste Disposal

Soil cuttings, decontamination rinsate water, and construction debris were temporarily stored onsite in sealed and labeled Department of Transportation (DOT) approved 55-gallon drums. On April 9, 2015, all drums were transported by Belshire Environmental Services, Inc., of Foothill Ranch, California. All soil waste drums without water were transported to TPST Soil Recyclers of California in Adelanto, California for disposal. The drums containing construction debris, water and soil with water waste was transported to Veolia Services in Azusa, California for disposal.

Section 4.0 Conceptual Site Model

Presented below is the updated CSM incorporating the most recent investigation data.

4.1 Petroleum Hydrocarbon Source

Data collected during the 1987 UST replacements,¹ 1997 product piping upgrades,² and subsurface investigations indicate the primary source of hydrocarbons in soil and groundwater are from the first generation dispensers located near the High Street property boundary and Foothill Boulevard property boundary.

4.2 Distribution of Constituents of Concern

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 4 through 16; soil and soil vapor data are presented in Tables 1, 1A, 1B, and 2; and historical groundwater monitoring and sampling data are presented in Table 4.

4.3 Hydrocarbon Source Remediation

Primary Source Removal

In May 1987, Blaine Tech removed three steel gasoline USTs and one fiberglass used-oil UST¹. Three 10,000-gallon double-walled fiberglass fuel USTs were installed in the same excavation in June 1987.

¹ Blaine Tech Services, Inc., *Product and Waste Oil Tank Removal*, dated August 14, 1987

² Gettler-Ryan Inc., *Soil Sampling During Product Dispenser Upgrade and Partial Product Line Replacement Report*, dated September 24, 1997

The used-oil tank was removed and not replaced. In July 1997, the dispensers and product piping were upgraded to meet new containment requirements.² The first generation dispensers were removed and replaced in the current configuration sometime in the 1980s (according to historical aerial photos).³ No report of this activity was located.

Secondary Source Removal

An unspecified volume of excavated soil removed from the fuel UST pit in 1987 was reportedly aerated and reused onsite or disposed of at a landfill.¹ During the 1997 dispenser piping upgrades, approximately 46 tons of soil was excavated and disposed of offsite.²

A groundwater extraction system in well C-2 operated from November 1991 to October 1993, and extracted approximately 11,700 gallons of groundwater.⁴

4.3 Light Non-Aqueous Phase Liquid (LNAPL)

Approximately 2 feet of LNAPL was detected in well C-2 when it was installed in 1987. No LNAPL has been detected at the site since 2005 (Table 3).

4.4 Petroleum Hydrocarbon Distribution in Soil

Based on the distribution in soil, hydrocarbons appear to have originated primarily from the first generation fuel dispensers (Figures 4 through 13) with the highest TPHg and benzene concentrations detected in 2015 borings B1 through B4 and B6, and in 1987 borings C-A, C-2, and C-4, all located at or downgradient of the former dispensers.

To date, 49 soil samples have been collected between 0 and 10 fbg and of those, 2 soil samples C-A at 8.5 and C-9 at 9 fbg collected in 1987, exceeded Low-Threat Underground Storage Tank Case Closure Policy (LTC) Table 1⁵ criteria for benzene for volatilization to outdoor air on a commercial property and for direct exposure risk for utility workers. No soil samples exceed the benzene, ethylbenzene and naphthalene criteria for direct contact. No criteria for direct exposure risk for utility workers were exceeded except in soil samples C-A at 8.5 and C-9 at 9 fbg in 1987 for benzene. Soil samples collected from B-5 advanced in the location of the former used-oil UST were additionally analyzed for PAHs. The PAH concentrations detected in soil samples collected at 3 and 8 fbg were below the LTC commercial and utility worker direct contact criteria. Cumulative soil analytical results are presented in Table 1, 1A, and 1B. The laboratory analytical reports for soil are included in Appendix F.

³ Environmental Data Resource, Inc., *"The EDR Aerial Photo Decade Package"*, 311977 – Oakland, CA, 4265 Foothill Blvd, Oakland, CA 94601, Inquiry Number: 1969259.5. dated July 2, 2007

⁴ Delta Environmental Consultants, Inc., *Site Conceptual Model and Risk Based Corrective Action Plan*, dated 28, 2000

⁵ 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.

4.5 Petroleum Hydrocarbon Distribution in Groundwater

Groundwater monitoring and sampling has been ongoing for 28 years since 1987. Blaine Tech conducted the most recent groundwater sampling event on March 10, 2015. Offsite wells C-7 and C-9 were not monitored and sampled because a new access agreement had not been established with the new property owner. The March 10, 2015 groundwater sampling data is summarized in Table 4.1 below and cumulative monitoring and sampling data are presented in Table 3. The analytical laboratory report is included in Appendix G and the well monitoring data sheets are included in Appendix F. Based on well construction details, C-6 through C-9 are not screened through the shallower water zone and therefore groundwater is generally deeper in these wells. Monitoring well construction details are presented in Table 4. Groundwater elevations and flow direction are illustrated on Figure 17.

TABLE 4.1 – HYDROCARBON CONCENTRATIONS IN GROUNDWATER								
	<i>Sample Date</i>	<i>DTW (fbg)</i>	<i>TPHg</i>	<i>Benzene</i>	<i>Toluene</i>	<i>Ethyl-benzene</i>	<i>Total Xylenes</i>	<i>MTBE</i>
<i>Concentrations in micrograms per liter (µg/L)</i>								
ESL Table F-1a Drinking Groundwater ESLs			100	1	40	30	20	5
C-1	3/10/15	13.29	650	28	0.6 J	<0.5	<0.5	27
C-2	3/10/15	17.04	14,000	480	22	120	120	40
C-3	3/10/15	21.16	76 J	<0.5	<0.5	<0.5	<0.5	54
C-4	3/10/15	11.42	8,800	1,400	30	99	50	13 J
C-5	3/10/15	20.35	<50	<0.5	<0.5	<0.5	<0.5	9
C-6	3/10/15	21.81	<50	<0.5	<0.5	<0.5	<0.5	<0.5
C-7 ^a	9/25/14 ^b	25.75	1,300	15	0.5 J	15	27	8
C-8	3/10/15	25.06	<50	1	<0.5	<0.5	<0.5	<0.5
C-9 ^a	3/13/14 ^b	24.82	<50	<0.5	<0.5	<0.5	<0.5	<0.5
C-10	3/10/15	9.30	<50	<0.5	<0.5	<0.5	<0.5	2
C-11	3/10/15	9.95	310	56	1	1	0.9 J	<0.5

ESLs = Environmental Screening Levels from *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* prepared by the California Regional Water Quality Control Board – San Francisco Bay Region, Interim Final November 2007, revised December 2013
 J = Estimated Value (the result is ≥ the Method Detection Limit and < the Limit of Quantization)
 a = No access agreement as the property recently sold to a new owner and a new access agreement had not been signed.
 b = Most recent sampling event

As shown on Figures 14 and 15, dissolved TPHg and benzene concentrations within the shallow water zone are centered on wells C-2 and C-4, located downgradient of the former first generation fuel dispensers and extend offsite to newly installed well C-11. The dissolved plume is approximately 400 feet in length. Wells C-6, C-8, C-9 screened in the deeper water zone are below water quality objectives (WQOs).⁶ After 5 years of low or no detectable concentrations, dissolved hydrocarbons in

⁶ WQOs are the Environmental Screening Levels from *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* prepared by the California Regional Water Quality Control Board – San Francisco Bay Region, Interim Final November 2007, revised December 2013

well C-7 (screened in the deeper water zone), increased in June 2009. As shown on Figure 16, the dissolved MTBE plume is approximately 220 feet in length, is primarily localized onsite in wells C-1 through C-4, and is defined to below the WQO by wells C-5, C-6, C-10 and C-11.

4.6 Dissolved Hydrocarbon Concentration Trends and Projections

CRA uses the guidance provided within the United States Environmental Protection Agency (EPA) document *Calculation and Use of First-Order Rate Constants for Monitored Natural Attenuation Studies* (November 2002) to estimate the time for groundwater concentrations to reach WQOs.

CRA estimated times for TPHg, benzene, and MTBE concentrations in wells C-1 through C-7 to achieve WQO.⁷ Times for downgradient wells C-8 and C-9, and upgradient C-10 were not calculated because concentrations have already reached the WQO. CRA used the following first order exponential decay rate calculation:⁸

$$y = be^{(ax)}$$

Where "a" is a decay constant, "b" is a concentration at time (x), y is concentration (ESL), and "x" is time.

A summary of historical maximum concentrations, the most current concentrations, and projections to meet the WQOs are presented in Table 4.2. The trend graphs and degradation calculations are presented in Appendix J.

TABLE 4.2 – SUMMARY OF DEGRADATION RATE CALCULATIONS						
Well	Analyte	Maximum Concentration (µg/L)	Current Concentration (µg/L)	ESL (µg/L)	Date to Reach ESLs	Years to Reach ESL
C-1	TPHg	20,000	650	100	2028	13
	Benzene	2,500	28	1	Near WQO	Near WQO
	MTBE	2,500	27	5	2016	1
C-2	TPHg	1,100,000	14,000	100	2050	35
	Benzene	30,000	480	1	2046	31
	MTBE	5,200	40	5	2019	4
C-3	TPHg	560	76	100	WQO met	WQO met
	Benzene	36	<0.5	1	WQO met	WQO met
	MTBE	400	54	5	Fluctuating	Fluctuating
C-4	TPHg	48,000	8,800	100	2089	75
	Benzene	14,000	1,400	1	2139	124
	MTBE	4,600	13	5	2019	5
C-5	TPHg	110	<50	100	WQO met	WQO met

⁷ WQO are the San Francisco Regional Water Quality Control Board's Environmental Screening Levels (ESLs)

⁸ EPA-Groundwater Issue; Calculation and Use of First-Order Rate Constants for Monitored Natural Attenuation Studies; Charles J. Newell, et al., 2002.

<i>Well</i>	<i>Analyte</i>	<i>Maximum Concentration (µg/L)</i>	<i>Current Concentration (µg/L)</i>	<i>ESL (µg/L)</i>	<i>Date to Reach ESLs</i>	<i>Years to Reach ESL</i>
	Benzene	10	<0.5	1	WQO met	WQO met
	MTBE	34	9	5	2015	1
C-6	TPHg	11,000	<50	100	WQO met	WQO met
	Benzene	3,200	<0.5	1	WQO met	WQO met
	MTBE	220	<0.5	5	WQO met	WQO met
C-7	TPHg	46,000	1,300	100	2020	5
	Benzene	12,000	15	1	2024	9
	MTBE	190	8	5	2014	Near WQO

Fluctuating = concentrations by one to three orders of magnitude
Near WQO = WQO has been met, but concentration occasionally increase for one sampling event

TPHg and benzene concentrations are centered on wells C-2 and C-4, downgradient from the source area in the southern corner. Concentrations in C-2 are expected to reach WQOs within 35 years, and in C-4 within 124 years. TPHg and benzene concentrations in wells C-1 (upgradient), C-3 and C-5 (crossgradient), and C-6 and C-7 (downgradient) have either reached the WQOs or will reach WQOs in 13 years or less.

MTBE concentrations are centered on well C-3, located adjacent to the fuel USTs, and are fluctuating one to three orders of magnitude with the current concentration (54 µg/L) one order of magnitude lower than the historical maximum concentration (400 µg/L). MTBE in all other wells have either reached the WQO or are expected to reach the WQO in 5 years or less.

4.7 Petroleum Hydrocarbon Distribution in Soil Vapor

Complete soil vapor results are included as Table 2. The laboratory analytical reports are included in Appendix F. Soil gas analytical results are summarized in Table 4.2 below.

	<i>TPHg</i>	<i>Benzene</i>	<i>Toluene</i>	<i>Ethyl-benzene</i>	<i>m,p-Xylene</i>	<i>o-Xylene</i>	<i>MTBE</i>	<i>Naphthalene</i>	
LTCP Soil Gas Criteria – Commercial¹	NE	280	NE	3,600	NE	NE	NE	310	
Sample ID	Depth	All results reported in micrograms per cubic meter (µg/m³)							
VP-1	5.25-5.75	<470	<3.7	<4.4	<5.0	<5.0	.0	<4.2	<24/<4.2
VP-2	5.25-5.75	Vapor probe not analyzed due to presence of water							
VP-3	5.25-5.75	<490	<3.7	<4.5	<5.0	8.0	5.7	<4.3	<35/4.5
VP-4	5.50-5.75	<470	<3.7	<4.4	<5.0	<5.0	<5.0	<4.2	<24/<4.2
VP-5	5.50-5.75	23,000	220	130	16	41	17	1,500	<25/10
VP-5 DUP	5.50-5.75	25,500	220	130	16	42	16	1,500	<24/-
VP-6	5.50-5.75	62,200	92	150	61	170	86	<20	<100/4.3

TABLE 4.2 SOIL VAPOR HYDROCARBON ANALYTICAL RESULTS – 2/17/15									
	TPHg	Benzene	Toluene	Ethyl-benzene	m,p-Xylene	o-Xylene	MTBE	Naphthalene	
LTCP Soil Gas Criteria – Commercial¹		NE	280	NE	3,600	NE	NE	NE	310
Sample ID	Depth	All results reported in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$)							
Notes:									
1. Low-Threat Underground Storage Tank Case Closure Policy – Soil Gas Criteria No Bioattenuation Zone, California State Water Resources Control Board, August 2012.									
x/x Naphthalene by EPA Method TO-15/Naphthalene by EPA Method TO-17 (VI Tubes)									

Elevated TPHg concentrations were detected in VP-5 and VP-6. Benzene, ethylbenzene, and naphthalene concentrations were below the commercial LTCP criteria and/or not detected. No helium was detected in any vapor probe samples, except for a small amount (0.22 percent volume) in the duplicate sample of VP-5; none was detected in the primary VP-5 sample. The absence of helium indicates that no ambient air entered the canisters during the sampling process and the samples are considered representative. No sample was collected from VP-2 due to water in the tubing.

Aromatic (carcinogenic) and aliphatic (non-carcinogenic) hydrocarbons APH Fraction analytical data for VP-1 and VP-2 are presented in Table 2, and summarized in Table 4.3 below.

TABLE 4.3 SOIL VAPOR APH FRACTIONATION ANALYTICAL RESULTS – 2/17/15						
	C5-C6 Aliphatic Hydrocarbons	>C6-C8 Aliphatic Hydrocarbons	>C8- C10 Aliphatic Hydrocarbons	>C10-C12 Aliphatic Hydrocarbons	>C8-C10 Aromatic Hydrocarbons	>C10-C12 Aromatic Hydrocarbons
Sample ID	All results reported in $\mu\text{g}/\text{m}^3$					
VP-1	<75	<65	<130	<160	<110	<130
VP-2	Vapor probe analyzed due to presence of water					
VP-3	<78	<98	<140	<170	<120	<130
VP-4	<75	<95	<140	<160	<110	<130
VP-5	7,600	11,000	1,000	230	<120	<130
VP-5 DUP	7,600	11,000	940	170	<110	<130
VP-6	24,000	10,000	2,900	<760	<540	<600

Vapor probes VP-1, VP-3, and VP-4 are located along the southern property boundary, which are adjacent to the single family home with the basement. Soil vapor concentrations from those probes are below the LTC criteria for indoor vapor intrusion risk for both commercial and residential.

Soil vapor in VP-5 and VP-6, located along the western property boundary adjacent to the apartment building are below LTCP criteria for commercial indoor vapor intrusion risk. Soil vapor concentrations in VP-5 and VP-6 are below LTCP criteria for residential indoor vapor intrusion risk except for benzene.

Oxygen concentration in VP-5 was less than 4 percent indicating there is little to no bioattenuation zone, while oxygen concentration in VP-6 was 6.1 percent indicating that there might be a bioattenuation zone. The apartment building is built on a vented crawl space which would allow any potential vapors to dissipate.

4.8 Sensitive Receptors

In 1990, Weiss Associates conducted a well survey within a ½-mile radius of the site. Forty wells were identified within the search area. Of these, two were cathodic protection wells, one was identified as an irrigation well, and one other identified as an industrial well. The remaining 36 wells were identified as monitoring wells. The irrigation well was reportedly located approximately ¾ mile upgradient. No domestic or municipal water supply wells were identified within the search area.⁹ Weiss Associates well location map and table are included in Appendix K.

The nearest surface water bodies are Peralta Creek approximately 3,700 feet northwest and the Oakland Inner Harbor located approximately 4,800 feet southwest. Based on their distances and/or direction from the site and the limited extent of the dissolved hydrocarbon plume, these water bodies are not at risk of being affected by hydrocarbons originating at the site.

The site is located in a mixed residential and commercial area. A single family home with a basement is located adjacent to the site along the southern property boundary and a single family home with a basement is located approximately 100 feet south across High Street. An apartment building is located adjacent to the western property boundary. Due to the locations of the residences, CRA completed a soil vapor assessment in February 2015. The results are discussed in Section 4.8.

CRA completed a Google search for other potential sensitive receptors within ½-mile radius of the site including schools, childcare centers, hospitals, and eldercare centers. The nearest school is Fremont High School located approximately 100 feet east (crossgradient) across the Foothill Boulevard/High Street intersection. No TPHg or BTEX and only trace MTBE is detected in well C-10 located between the source area and the school; therefore, it does not appear the school is at risk of being affected by hydrocarbons originating at the site. Oakland Charter Academy Middle School is located approximately 150 feet west (crossgradient). Ascend Elementary School is located approximately 2,500 feet southwest, well beyond the extent of dissolved hydrocarbons originating at the site. No childcare centers, eldercare centers, or hospitals were identified in the search area.

4.9 Preferential Pathway Study

In addition to the utility line details presented in CRA's September 14, 2012 *Soil Vapor Sampling, Preferential Pathway Study, and Work Plan*, CRA identified four catch basins located along the High

⁹ Weiss Associates, *Subsurface Investigation*, dated December 18, 1990

Street and Foothill Boulevard property boundaries. These catch basins are connected to the street gutters by drain lines located no deeper than 6 inches. Utility locations and catch basins are illustrated on Figure 3. These catch basins might be contributing to the higher groundwater elevation seen in C-4 and C-10.

Section 5.0 Data Gap Evaluation and Conclusions

Based on CRA's evaluation of current and historic site data, the following conclusions can be made:

- Based on recent soil analytical data, the source of dissolved hydrocarbons detected in wells C-2 and C-4 appear to be the first generation dispensers.
- Soil analytical data collected from B-5 advanced in the location of the former used-oil UST, indicated there was no significant release from the former used-oil UST. Additionally no soil sample exceeded LTC direct exposure criteria.
- All soil samples collected in this site investigation are below LTP direct exposure criteria.
- No groundwater was encountered in boring C-12 to the maximum depth explored of 30 fbg; therefore, no well was installed in that location.
- Monitoring well C-11 was installed in order to delineate downgradient dissolved hydrocarbons in the shallow groundwater zone. Well C-11 will be monitored quarterly for 1 year and accordingly with the existing well network thereafter.
- All soil vapor samples collected from vapor probes VP-1, VP-3 and VP-4, located adjacent to the house with the basement on the southern (downgradient) property boundary are below the LTCP criteria for both commercial and residential indoor vapor intrusion.
- Soil vapor collected from vapor probes VP-5 and VP-6, located adjacent to the apartment building along the western site property boundary, exceeded the residential LTCP policy criteria for potential indoor air intrusion. The apartment building is built on a vented crawl space that would allow any potential vapors to dissipate. As the locations of VP-5 and VP-6 are crossgradient from the source area, CRA is proposing an additional groundwater monitoring well along the western property boundary between VP-5 and VP-6, to evaluate the vapor source detected in VP-5 and VP-6.

Section 6.0 Recommendations and Work Plan

All previous data gaps and ACEH concerns have been addressed; however, based on the recent soil vapor assessment, CRA recommends installing a groundwater monitoring well between VP-5 and VP-6 to assess current groundwater conditions along the western property boundary near VP-5 and VP-6 (Figure 2).

6.1 Permits

CRA will obtain drilling permits from Alameda County Public Works Agency.

6.2 Site Specific Health and Safety Plan

CRA 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

CRA will contact Underground Service Alert (USA) to coordinate location of subsurface utilities no less than 48 hours prior to the start of field activities. CRA will subcontract a licensed geophysicist to confirm the locations of underground utilities. In accordance with Chevron and CRA 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 near the western property boundary, CRA will install one monitoring well between vapor probes VP-5 and VP-6 as shown on Figure 2. The well boring will be advanced using 8-inch outside diameter hollow stem augers to approximately 25 fbg with an approximate screened interval of 10 to 20 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. CRA's *Standard Field Procedure for Soil Boring and Monitoring Well Installation* is presented in Appendix E.

6.5 Soil Sampling

CRA 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 receipt of the analytical profile.

6.9 Reporting

Upon completion of field activities and review of the analytical results, CRA 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
- An Updated Site Conceptual Model
- Updated figures if needed
- Conclusions and recommendations, including a data gap work plan, if needed

Section 7.0 Closing

CRA will proceed with the proposed scope of work upon receipt of written approval from ACEH. CRA will then obtain all required drilling permits, work to coordinate access with the onsite property owner, and schedule the subcontractors.

Figures

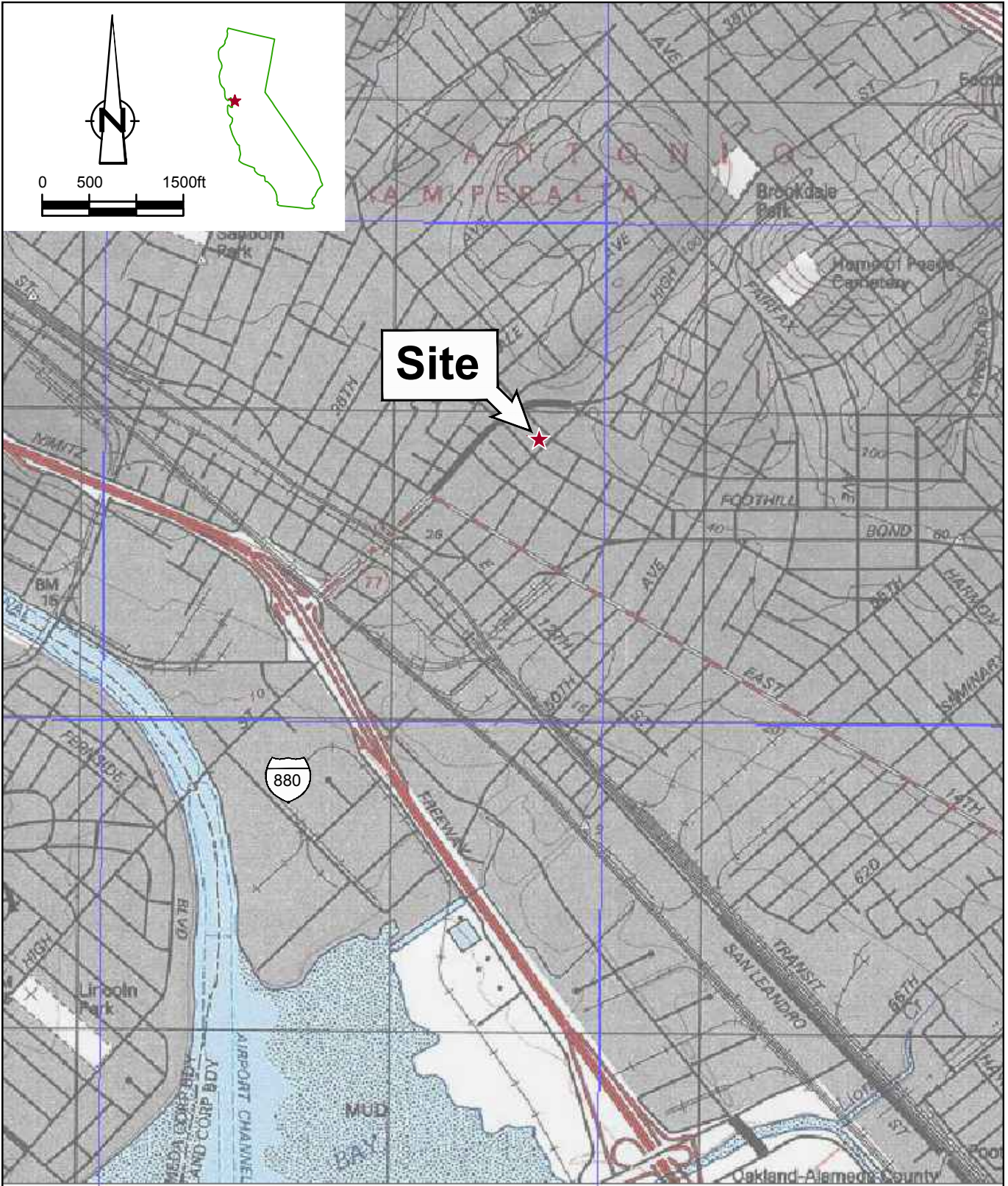


Figure 1
 VICINITY MAP
 CHEVRON SERVICE STATION 90076
 4265 FOOTHILL BOULEVARD
 Oakland, California



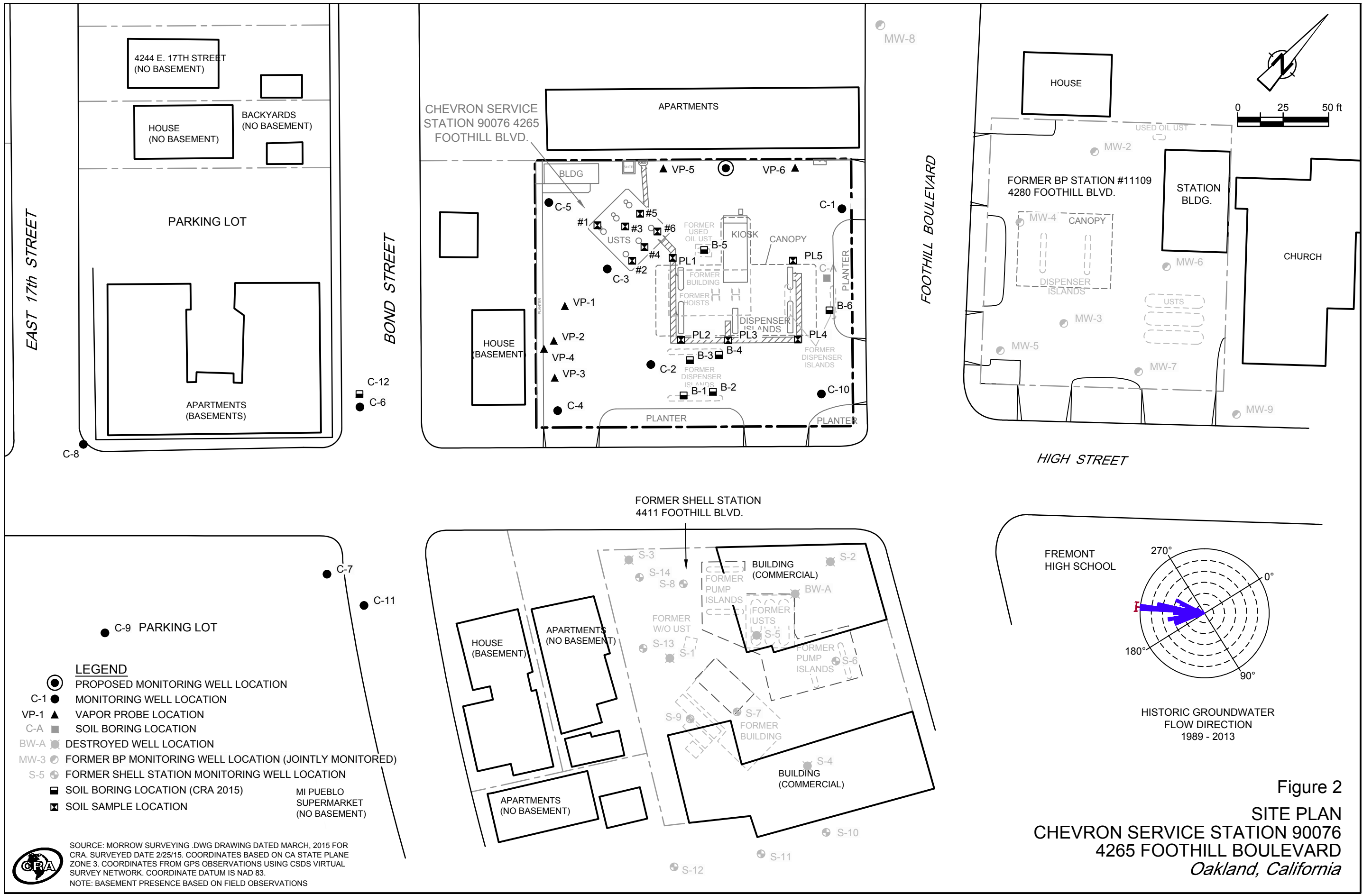
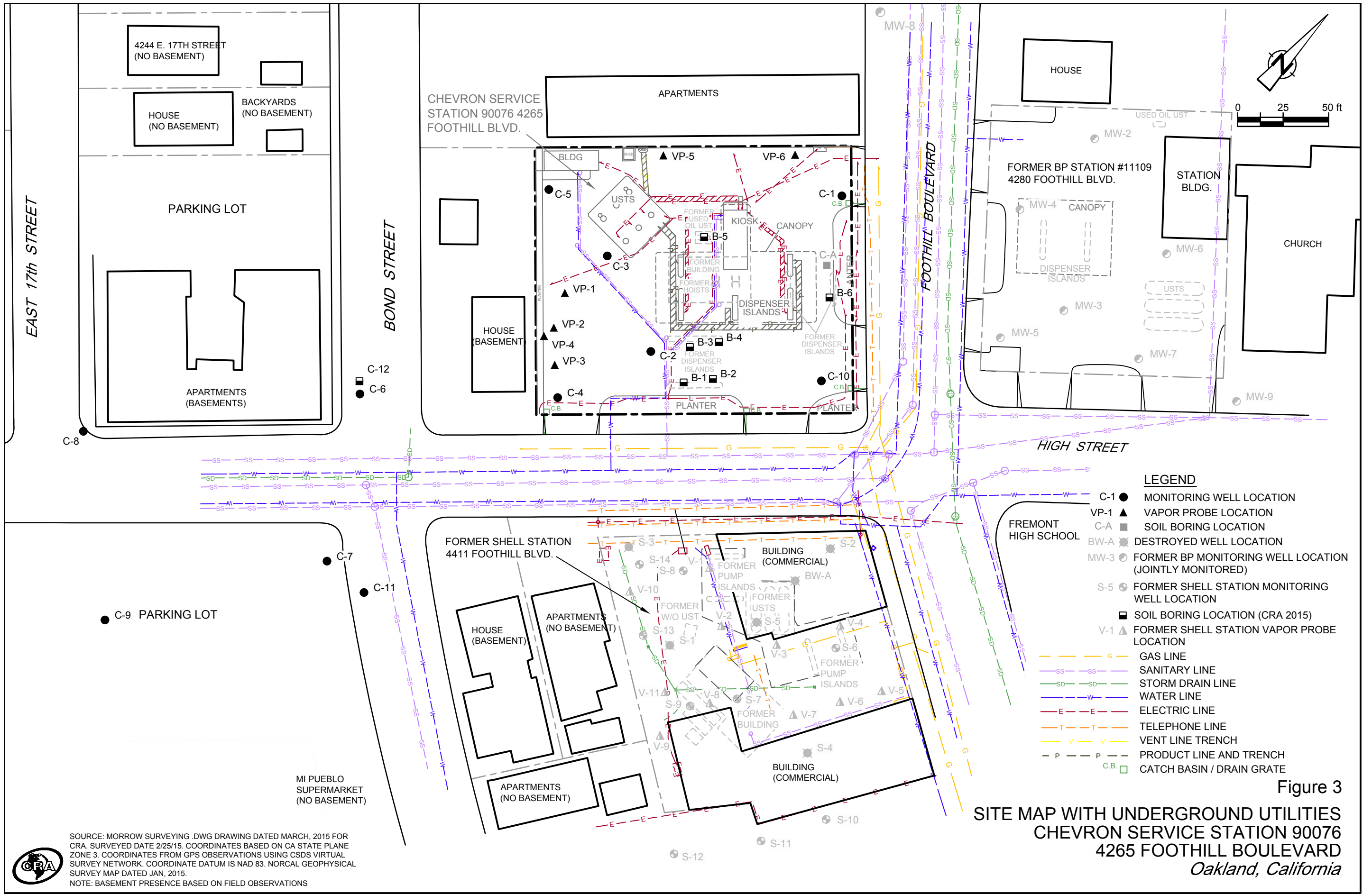


Figure 2
 SITE PLAN
 CHEVRON SERVICE STATION 90076
 4265 FOOTHILL BOULEVARD
 Oakland, California



SOURCE: MORROW SURVEYING .DWG DRAWING DATED MARCH, 2015 FOR CRA. SURVEYED DATE 2/25/15. COORDINATES BASED ON CA STATE PLANE ZONE 3. COORDINATES FROM GPS OBSERVATIONS USING CSDS VIRTUAL SURVEY NETWORK. COORDINATE DATUM IS NAD 83.
 NOTE: BASEMENT PRESENCE BASED ON FIELD OBSERVATIONS



LEGEND

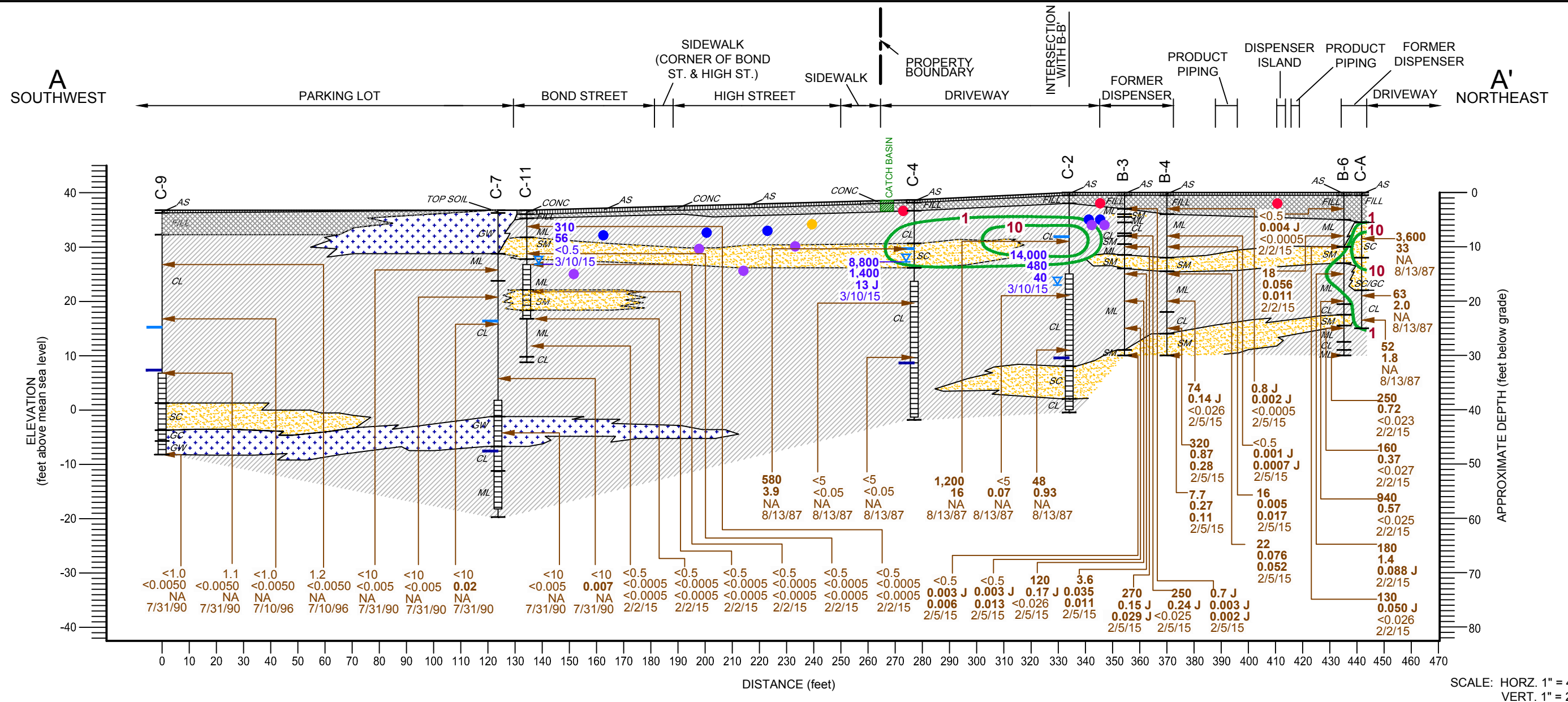
- C-1 ● MONITORING WELL LOCATION
- VP-1 ▲ VAPOR PROBE LOCATION
- C-A ■ SOIL BORING LOCATION
- BW-A ■ DESTROYED WELL LOCATION
- MW-3 ● FORMER BP MONITORING WELL LOCATION (JOINTLY MONITORED)
- S-5 ● FORMER SHELL STATION MONITORING WELL LOCATION
- SOIL BORING LOCATION (CRA 2015)
- V-1 ▲ FORMER SHELL STATION VAPOR PROBE LOCATION
- G GAS LINE
- SS SANITARY LINE
- SD STORM DRAIN LINE
- W WATER LINE
- E ELECTRIC LINE
- T TELEPHONE LINE
- V VENT LINE TRENCH
- P - P - PRODUCT LINE AND TRENCH
- C.B. □ CATCH BASIN / DRAIN GRATE

Figure 3

**SITE MAP WITH UNDERGROUND UTILITIES
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
Oakland, California**

SOURCE: MORROW SURVEYING .DWG DRAWING DATED MARCH, 2015 FOR CRA. SURVEYED DATE 2/25/15. COORDINATES BASED ON CA STATE PLANE ZONE 3. COORDINATES FROM GPS OBSERVATIONS USING CSDS VIRTUAL SURVEY NETWORK. COORDINATE DATUM IS NAD 83. NORCAL GEOPHYSICAL SURVEY MAP DATED JAN, 2015.
NOTE: BASEMENT PRESENCE BASED ON FIELD OBSERVATIONS





SCALE: HORIZ. 1" = 40'
VERT. 1" = 20'

LEGEND

- C-9 — WELL DESIGNATION
- GROUND SURFACE
- GROUNDWATER MONITORING WELL
- STRATIGRAPHIC BOUNDARY
- sc — TYPICAL SOIL CLASSIFICATION
- SCREENED INTERVAL
- BOTTOM OF BORING
- ∇ FIRST ENCOUNTERED GROUNDWATER DEPTH (9/25/14)
- HISTORICAL SHALLOW DEPTH TO GROUNDWATER
- HISTORICAL DEEP DEPTH TO GROUNDWATER
- SANITARY SEWER LINE
- WATER LINE
- ▲ APPROXIMATE SAMPLE LOCATION
- ▲ APPROXIMATE GROUNDWATER SAMPLE LOCATION
- TPH-G
BENZENE
MTBE
DATE
- TPH_g
BENZENE
MTBE
DATE
- NS NOT SAMPLED
- NA NOT ANALYZED
- 10 — BENZENE ISOCONCENTRATION CONTOUR LINE IN mg/kg, DASHED WHERE INFERRED
- AS - ASPHALT
- CONC - CONCRETE
- FILL
- F - FINE GRAINED SEDIMENTS - SILTS AND CLAYS (ML,CL)
- GC, GW - CLAYEY GRAVELS >12% FINES
- SC, SM - CLAYEY SAND, SAND-CLAY MIXTURES, SILTY SANDS, SAND-SILT MIXTURES, >15% FINES
- SW - WELL GRADED SAND, GRAVELLY SAND, LITTLE OR NO FINES
- GAS LINE
- ELECTRICAL LINE

NOTE:
J = ESTIMATED VALUE ≥ THE METHOD DETECTION LIMIT (MDL OR DL) AND < LIMIT OF QUANTITATION (LOQ OR RL).

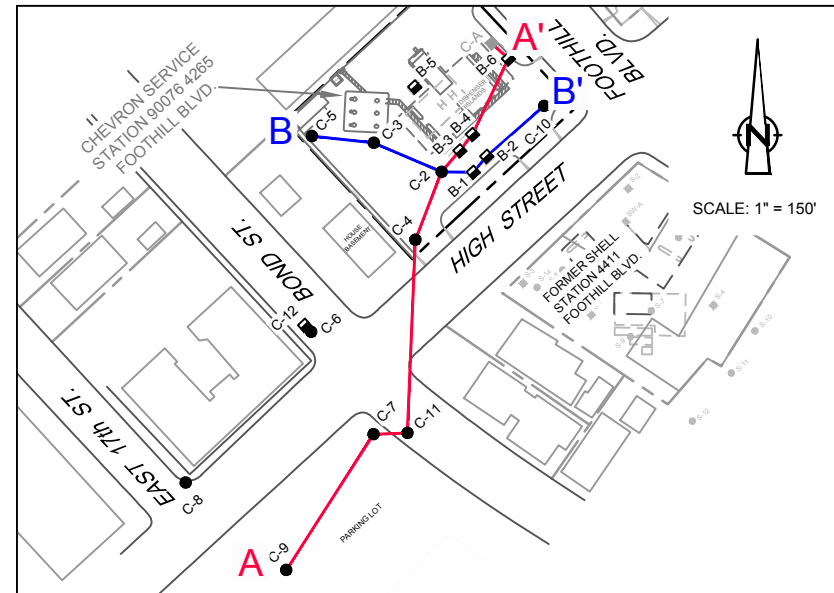
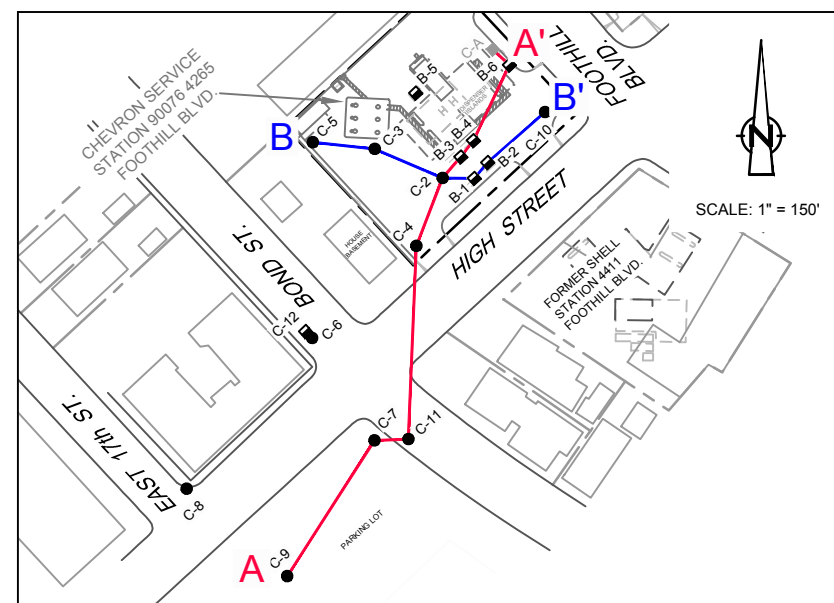
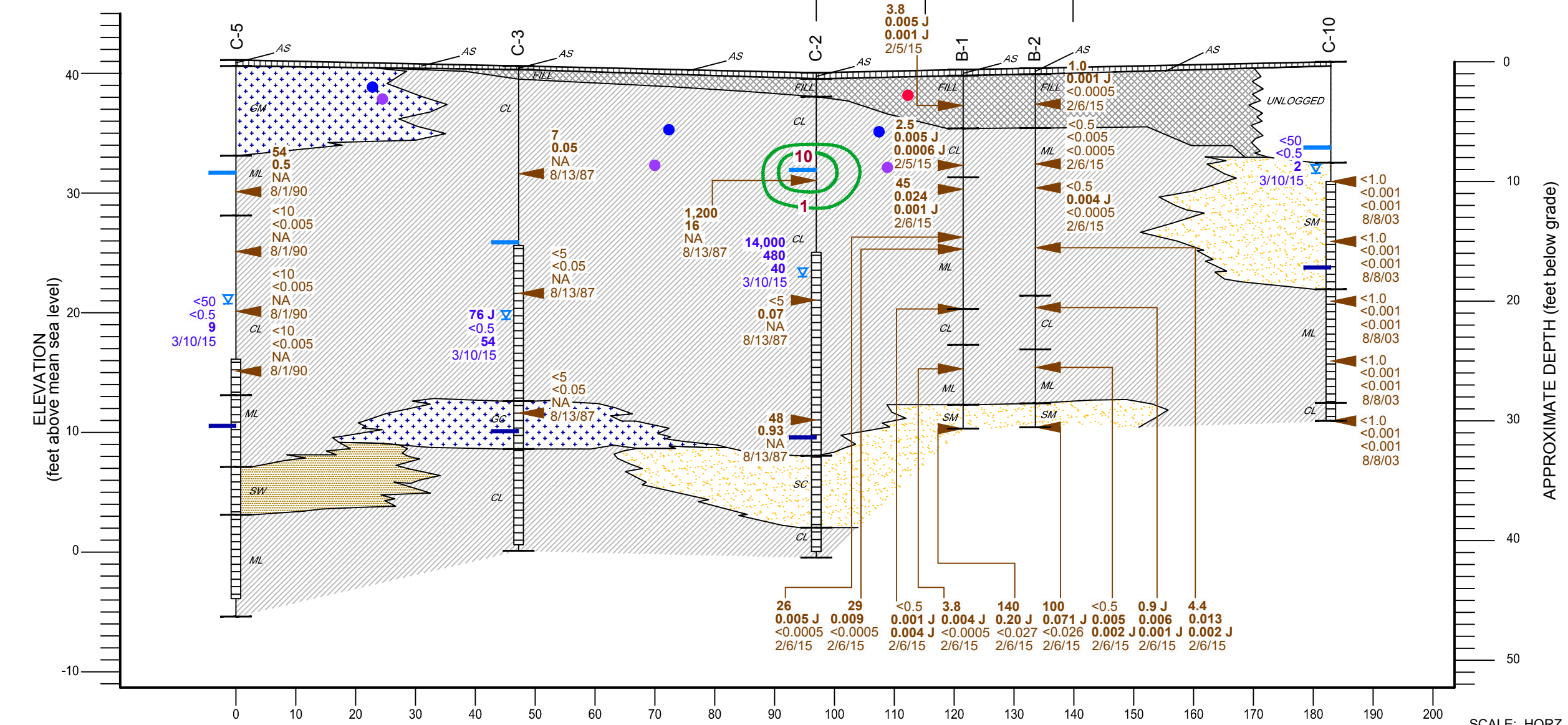


Figure 4
GEOLOGIC CROSS-SECTION A-A'
CHEVRON SERVICE STATION
4265 FOOTHILL BOULEVARD
Oakland, California

B
NORTHWEST

B'
NORTHEAST



LEGEND

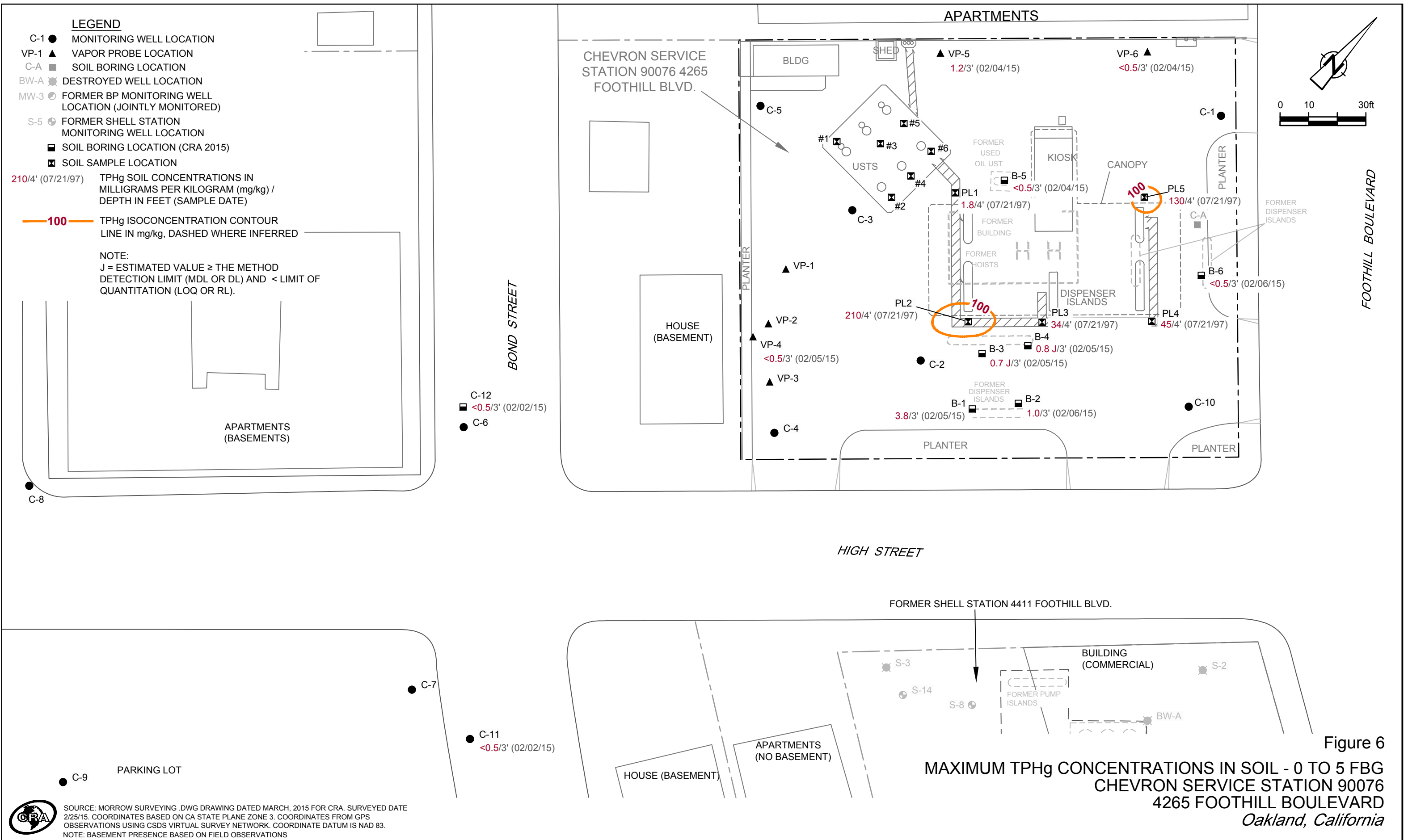
C-5	— WELL DESIGNATION	●	SANITARY SEWER LINE	●	GAS LINE	▨	AS - ASPHALT
—	GROUND SURFACE	●	WATER LINE	●	ELECTRICAL LINE	▨	FILL
—	GROUNDWATER MONITORING WELL	▲	APPROXIMATE SAMPLE LOCATION			▨	F - FINE GRAINED SEDIMENTS - SILTS AND CLAYS (ML,CL)
—	STRATIGRAPHIC BOUNDARY	▲	APPROXIMATE GROUNDWATER SAMPLE LOCATION			▨	GC - CLAYEY GRAVELS >12% FINES
SC	— TYPICAL SOIL CLASSIFICATION	▲	APPROXIMATE GROUNDWATER SAMPLE LOCATION			▨	SC, SM - CLAYEY SAND, SAND-CLAY MIXTURES, SILTY SANDS, SAND-SILT MIXTURES, >15% FINES
—	SCREENED INTERVAL	▲	APPROXIMATE GROUNDWATER SAMPLE LOCATION			▨	SW - WELL GRADED SAND, GRAVELLY SAND, LITTLE OR NO FINES
—	BOTTOM OF BORING	▲	APPROXIMATE GROUNDWATER SAMPLE LOCATION				
▼	FIRST ENCOUNTERED GROUNDWATER DEPTH (9/25/14)	▲	APPROXIMATE GROUNDWATER SAMPLE LOCATION				
—	HISTORICAL SHALLOW DEPTH TO GROUNDWATER	▲	APPROXIMATE GROUNDWATER SAMPLE LOCATION				
—	HISTORICAL DEEP DEPTH TO GROUNDWATER	▲	APPROXIMATE GROUNDWATER SAMPLE LOCATION				
—	BENZENE ISOCONCENTRATION CONTOUR LINE IN mg/kg, DASHED WHERE INFERRED	▲	APPROXIMATE GROUNDWATER SAMPLE LOCATION				

TPH-G
BENZENE
MTBE
DATE

TPHg
BENZENE
MTBE
DATE

NS NOT SAMPLED
NA NOT ANALYZED

Figure 5
GEOLOGIC CROSS-SECTION B-B'
CHEVRON SERVICE STATION
4265 FOOTHILL BOULEVARD
Oakland, California



SOURCE: MORROW SURVEYING .DWG DRAWING DATED MARCH, 2015 FOR CRA. SURVEYED DATE 2/25/15. COORDINATES BASED ON CA STATE PLANE ZONE 3. COORDINATES FROM GPS OBSERVATIONS USING CSDS VIRTUAL SURVEY NETWORK. COORDINATE DATUM IS NAD 83. NOTE: BASEMENT PRESENCE BASED ON FIELD OBSERVATIONS

LEGEND

- C-1 ● MONITORING WELL LOCATION
 - VP-1 ▲ VAPOR PROBE LOCATION
 - C-A ■ SOIL BORING LOCATION
 - BW-A ☒ DESTROYED WELL LOCATION
 - MW-3 ○ FORMER BP MONITORING WELL LOCATION (JOINTLY MONITORED)
 - S-5 ⊕ FORMER SHELL STATION MONITORING WELL LOCATION
 - SOIL BORING LOCATION (CRA 2015)
 - ⊠ SOIL SAMPLE LOCATION
- 45/10' (02/06/15) TPHg SOIL CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM (mg/kg) / DEPTH IN FEET (SAMPLE DATE)
- 100** TPHg ISOCONCENTRATION CONTOUR LINE IN mg/kg, DASHED WHERE INFERRED

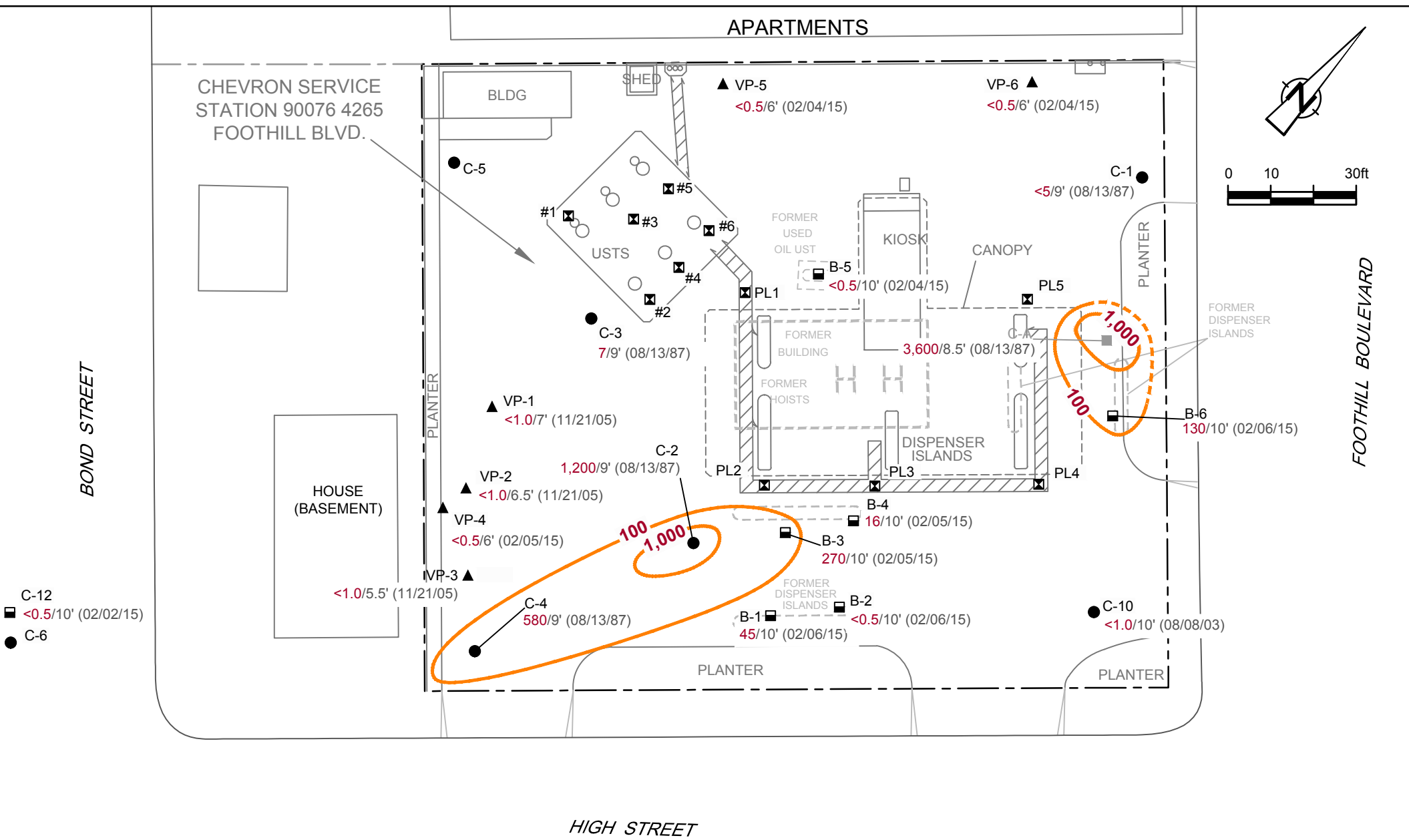
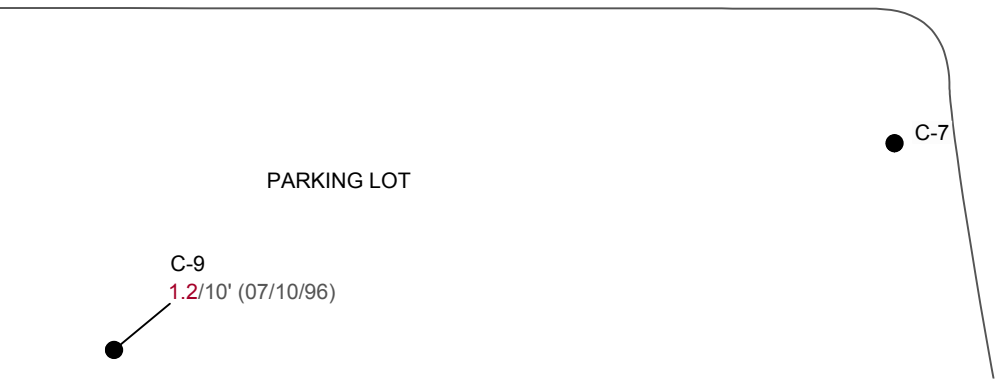
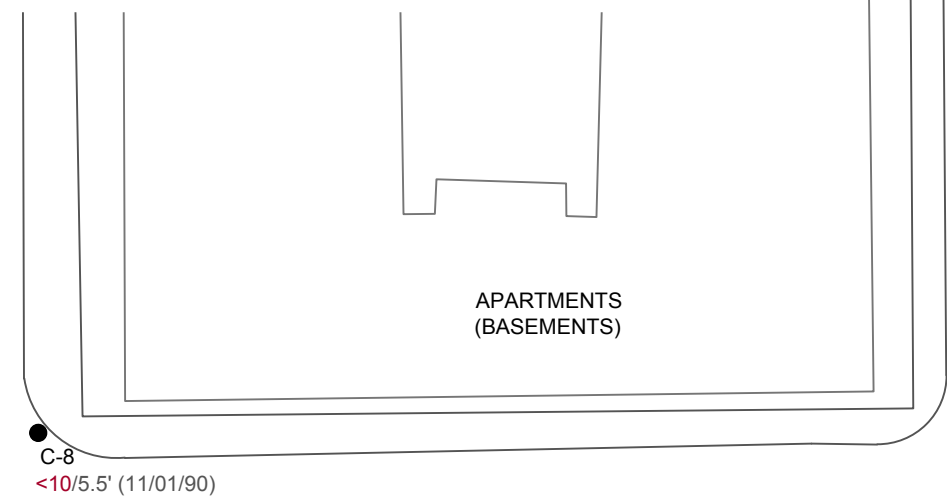


Figure 7
MAXIMUM TPHg CONCENTRATIONS IN SOIL - >5 TO 10 FBG
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
Oakland, California

SOURCE: MORROW SURVEYING .DWG DRAWING DATED MARCH, 2015 FOR CRA. SURVEYED DATE 2/25/15. COORDINATES BASED ON CA STATE PLANE ZONE 3. COORDINATES FROM GPS OBSERVATIONS USING CSDS VIRTUAL SURVEY NETWORK. COORDINATE DATUM IS NAD 83. NOTE: BASEMENT PRESENCE BASED ON FIELD OBSERVATIONS

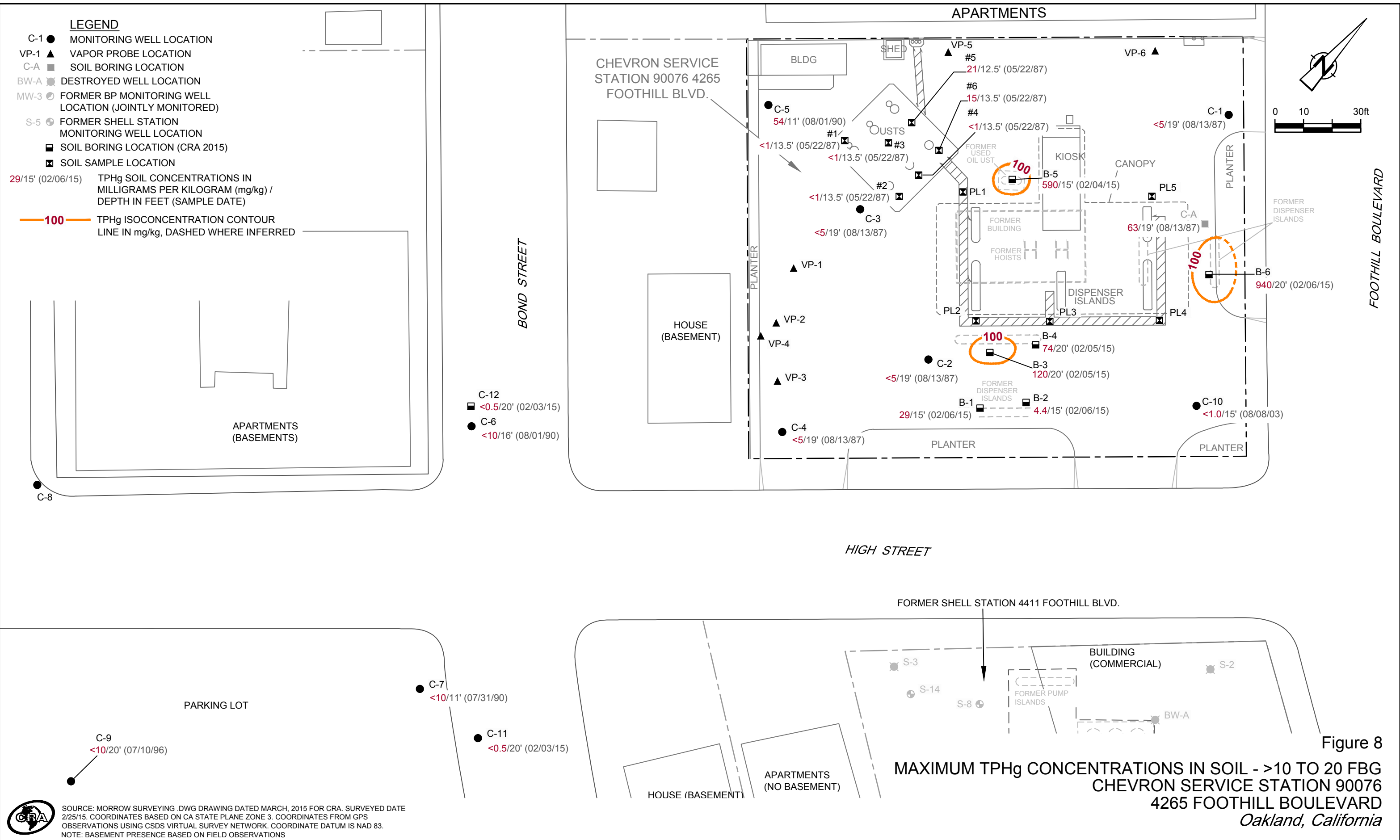
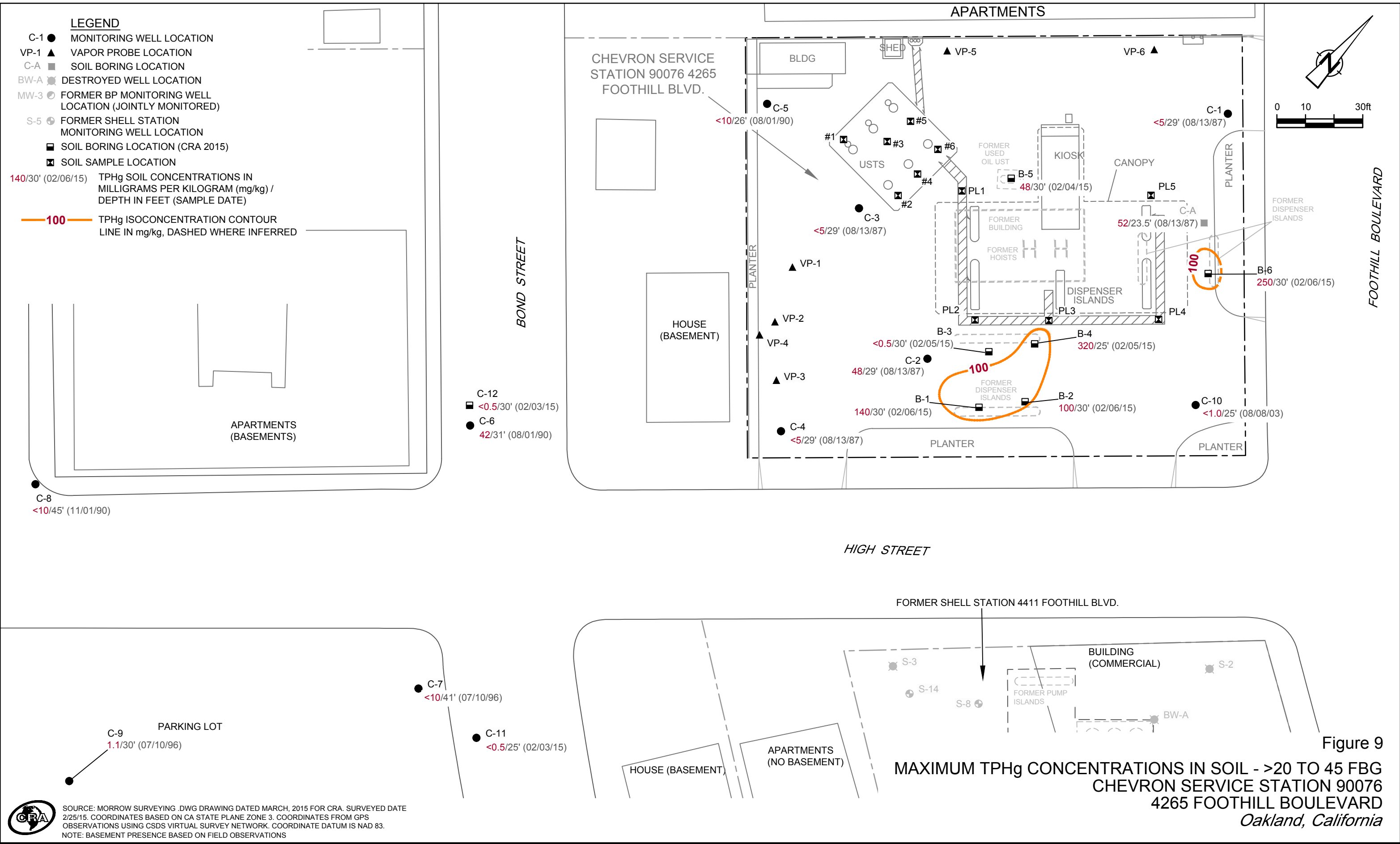


Figure 8
MAXIMUM TPHg CONCENTRATIONS IN SOIL - >10 TO 20 FBG
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
Oakland, California

SOURCE: MORROW SURVEYING .DWG DRAWING DATED MARCH, 2015 FOR CRA. SURVEYED DATE 2/25/15. COORDINATES BASED ON CA STATE PLANE ZONE 3. COORDINATES FROM GPS OBSERVATIONS USING CSDS VIRTUAL SURVEY NETWORK. COORDINATE DATUM IS NAD 83. NOTE: BASEMENT PRESENCE BASED ON FIELD OBSERVATIONS

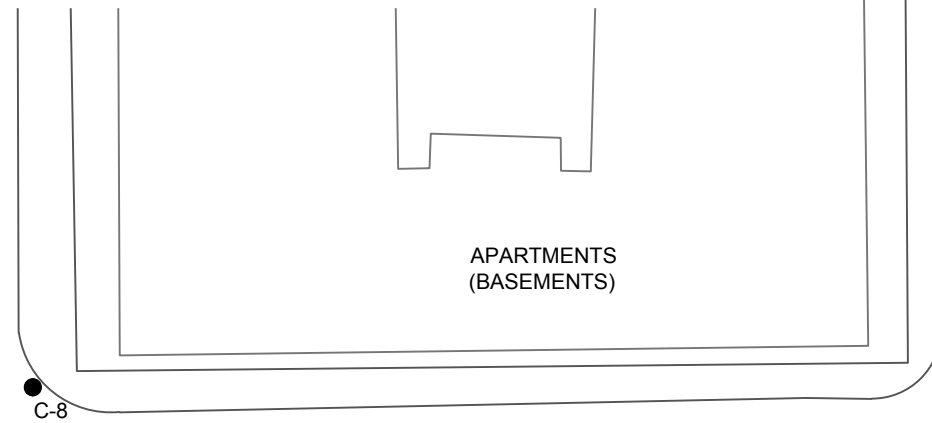


LEGEND

- C-1 ● MONITORING WELL LOCATION
- VP-1 ▲ VAPOR PROBE LOCATION
- C-A ■ SOIL BORING LOCATION
- BW-A ☒ DESTROYED WELL LOCATION
- MW-3 ○ FORMER BP MONITORING WELL LOCATION (JOINTLY MONITORED)
- S-5 ⊕ FORMER SHELL STATION MONITORING WELL LOCATION
- SOIL BORING LOCATION (CRA 2015)
- ⊠ SOIL SAMPLE LOCATION

0.64/4' (07/21/97) BENZENE SOIL CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM (mg/kg) / DEPTH IN FEET (SAMPLE DATE)

NOTE:
J = ESTIMATED VALUE ≥ THE METHOD DETECTION LIMIT (MDL OR DL) AND < LIMIT OF QUANTITATION (LOQ OR RL).



C-8

C-9 PARKING LOT



SOURCE: MORROW SURVEYING .DWG DRAWING DATED MARCH, 2015 FOR CRA. SURVEYED DATE 2/25/15. COORDINATES BASED ON CA STATE PLANE ZONE 3. COORDINATES FROM GPS OBSERVATIONS USING CSDS VIRTUAL SURVEY NETWORK. COORDINATE DATUM IS NAD 83. NOTE: BASEMENT PRESENCE BASED ON FIELD OBSERVATIONS

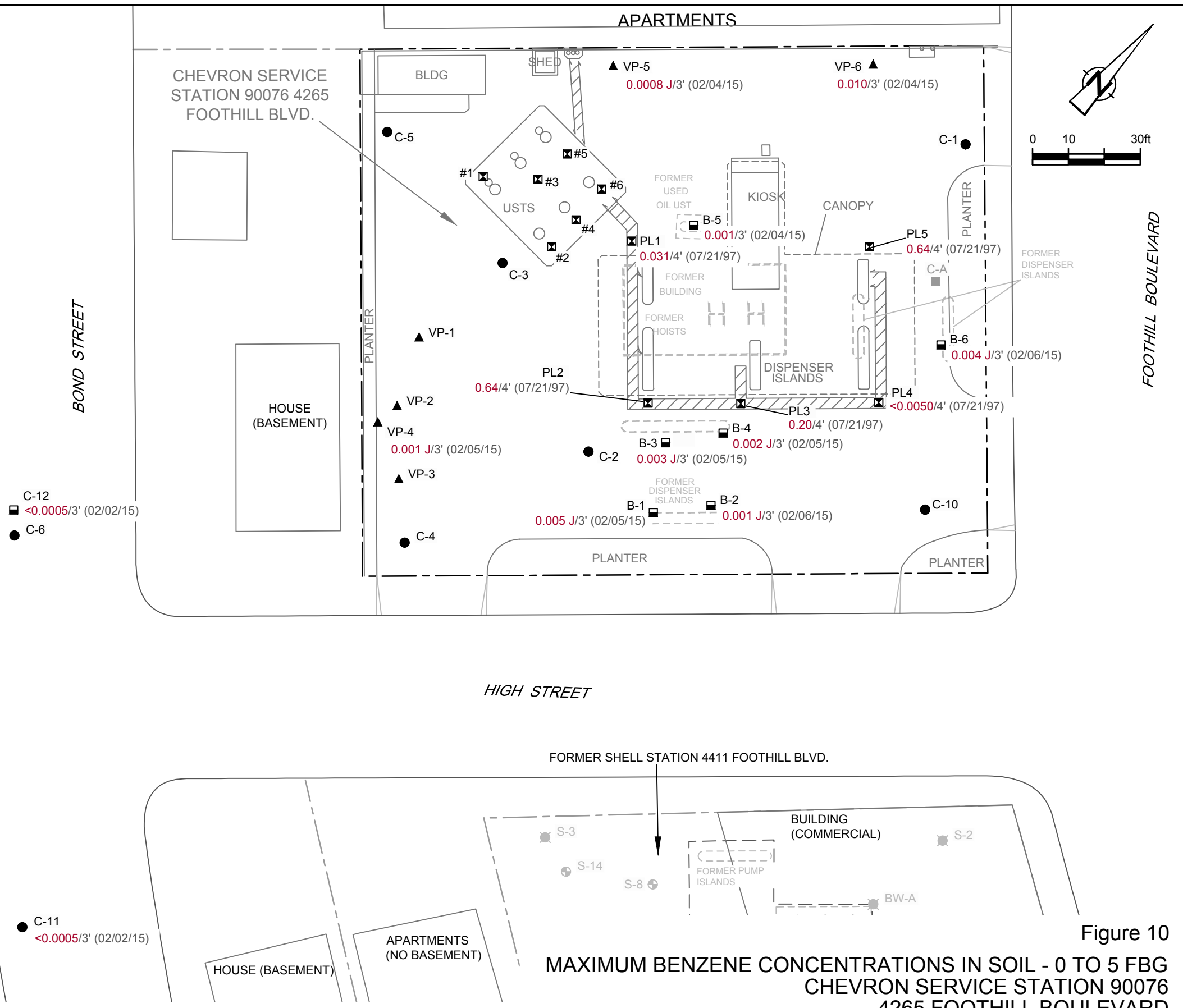


Figure 10

**MAXIMUM BENZENE CONCENTRATIONS IN SOIL - 0 TO 5 FBG
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
Oakland, California**

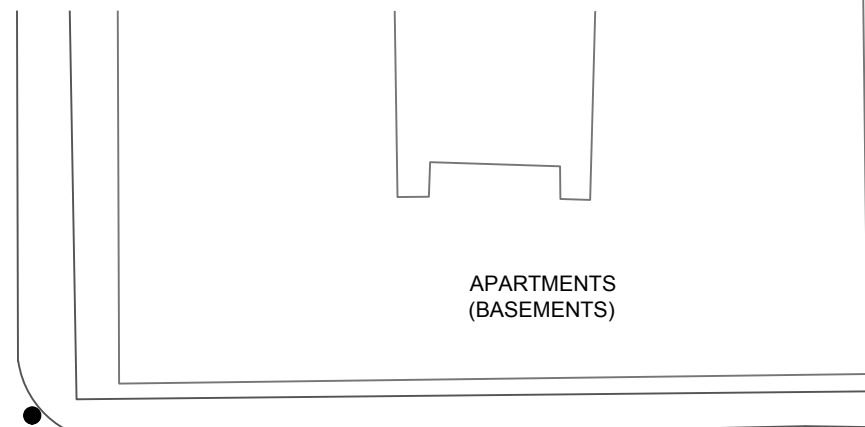
LEGEND

- C-1 ● MONITORING WELL LOCATION
- VP-1 ▲ VAPOR PROBE LOCATION
- C-A ■ SOIL BORING LOCATION
- BW-A ■ DESTROYED WELL LOCATION
- MW-3 ● FORMER BP MONITORING WELL LOCATION (JOINTLY MONITORED)
- S-5 ● FORMER SHELL STATION MONITORING WELL LOCATION
- SOIL BORING LOCATION (CRA 2015)
- ⊠ SOIL SAMPLE LOCATION

0.024/10' (02/06/15) BENZENE SOIL CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM (mg/kg) / DEPTH IN FEET (SAMPLE DATE)

1 BENZENE ISOCONCENTRATION CONTOUR LINE IN mg/kg, DASHED WHERE INFERRED

NOTE:
J = ESTIMATED VALUE ≥ THE METHOD DETECTION LIMIT (MDL OR DL) AND < LIMIT OF QUANTITATION (LOQ OR RL).



C-8
10/5.5' (11/01/90)

C-9
<0.0005/10' (07/10/96)



SOURCE: MORROW SURVEYING .DWG DRAWING DATED MARCH, 2015 FOR CRA. SURVEYED DATE 2/25/15. COORDINATES BASED ON CA STATE PLANE ZONE 3. COORDINATES FROM GPS OBSERVATIONS USING CSDS VIRTUAL SURVEY NETWORK. COORDINATE DATUM IS NAD 83. NOTE: BASEMENT PRESENCE BASED ON FIELD OBSERVATIONS

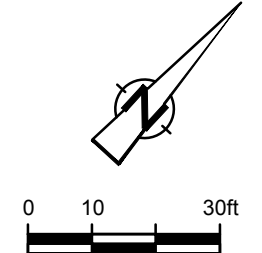
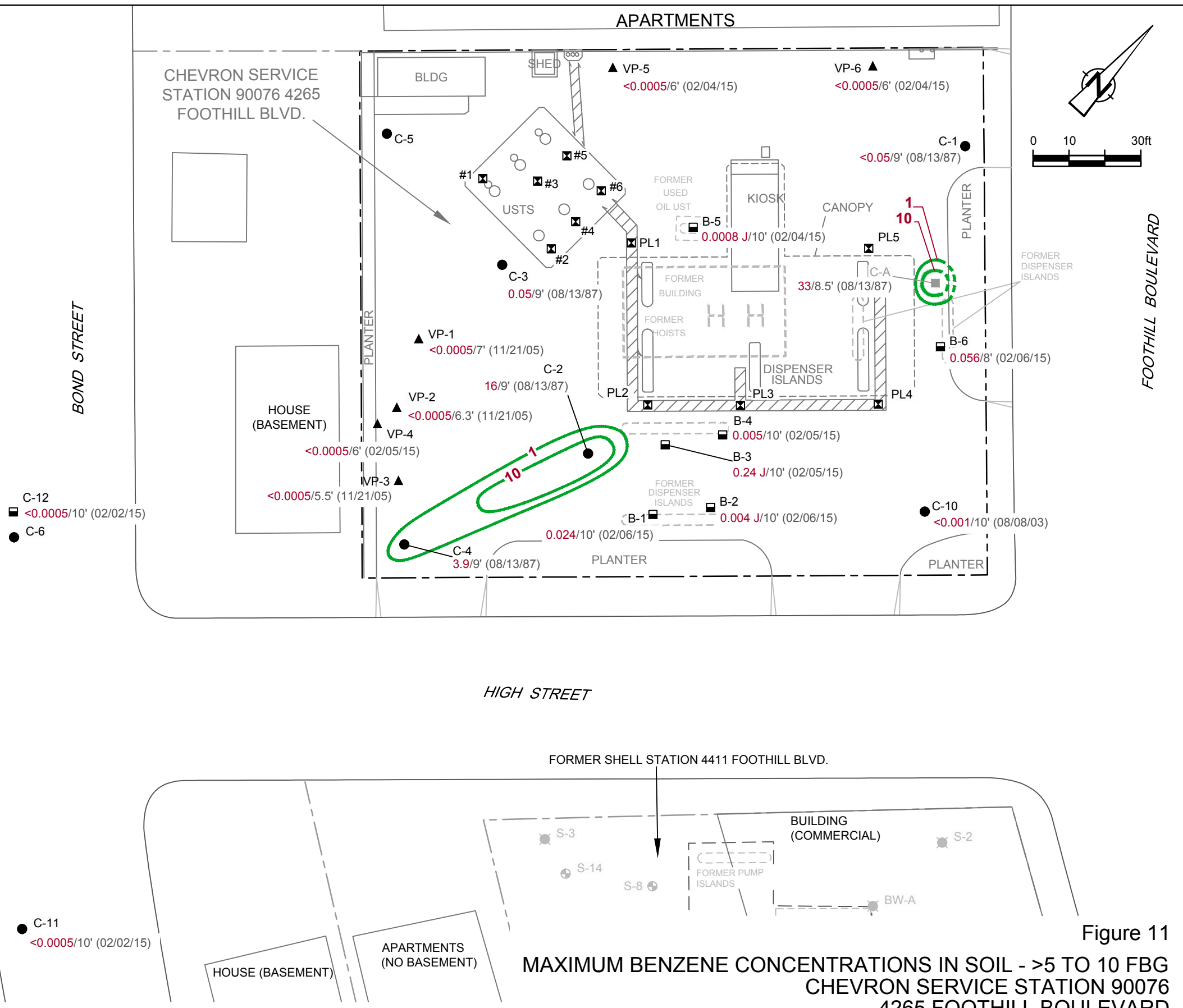


Figure 11
MAXIMUM BENZENE CONCENTRATIONS IN SOIL - >5 TO 10 FBG
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
Oakland, California

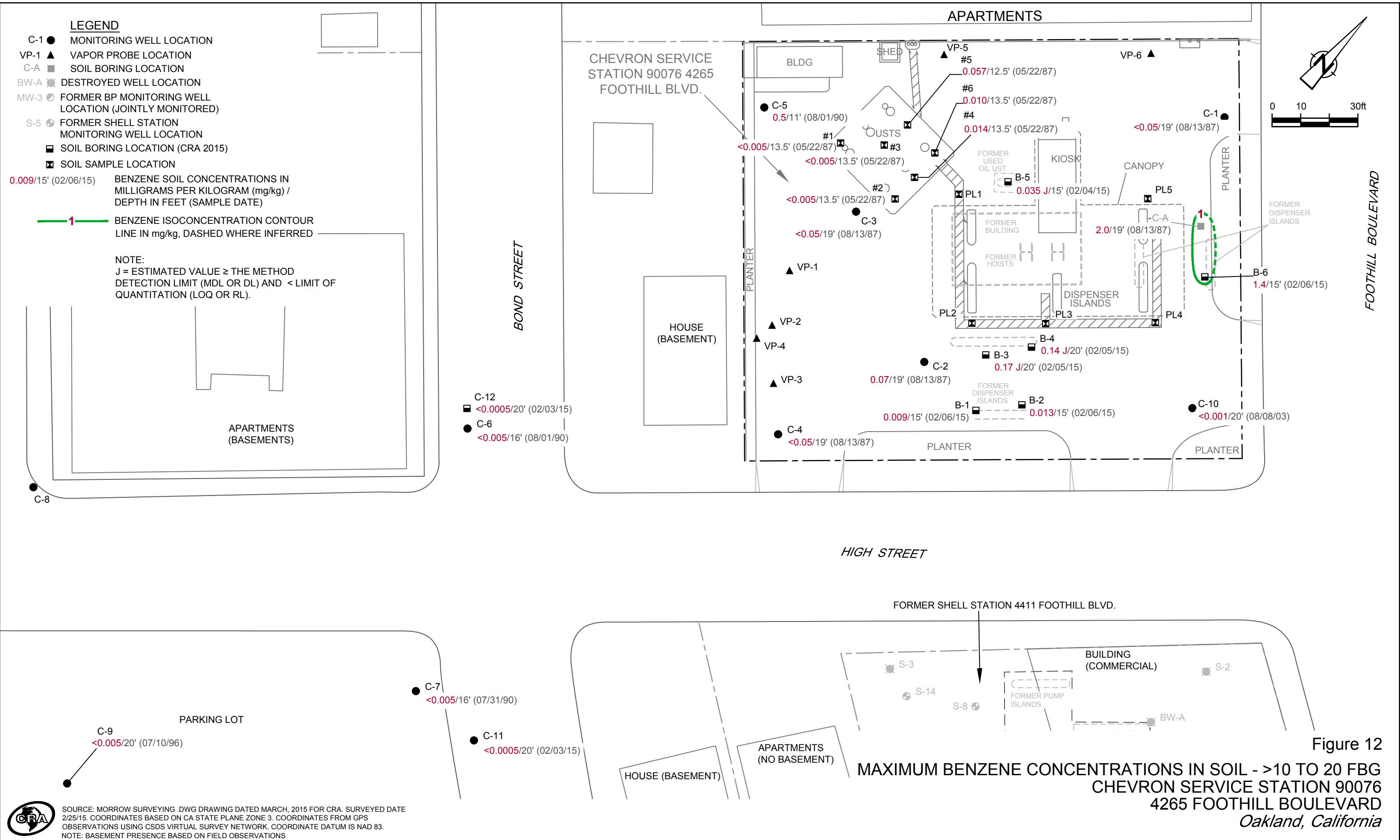
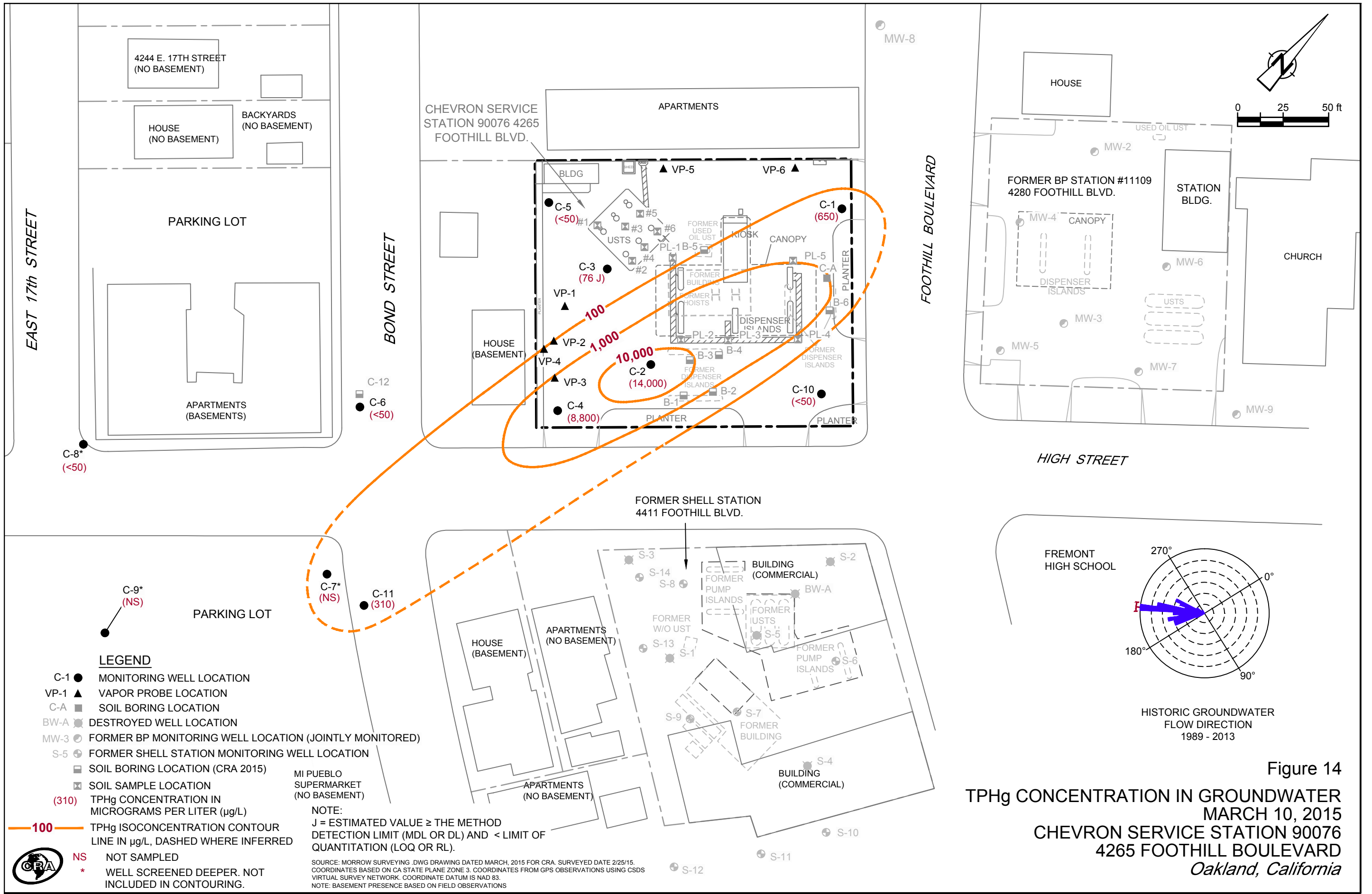


Figure 12
MAXIMUM BENZENE CONCENTRATIONS IN SOIL - >10 TO 20 FBG
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
Oakland, California

SOURCE: MORROW SURVEYING .DWG DRAWING DATED MARCH, 2015 FOR CRA. SURVEYED DATE 2/25/15. COORDINATES BASED ON CA STATE PLANE ZONE 3. COORDINATES FROM GPS OBSERVATIONS USING CSDS VIRTUAL SURVEY NETWORK. COORDINATE DATUM IS NAD 83. NOTE: BASEMENT PRESENCE BASED ON FIELD OBSERVATIONS

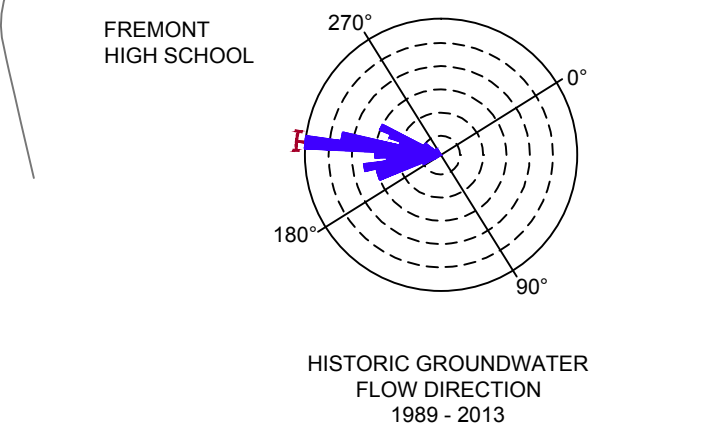


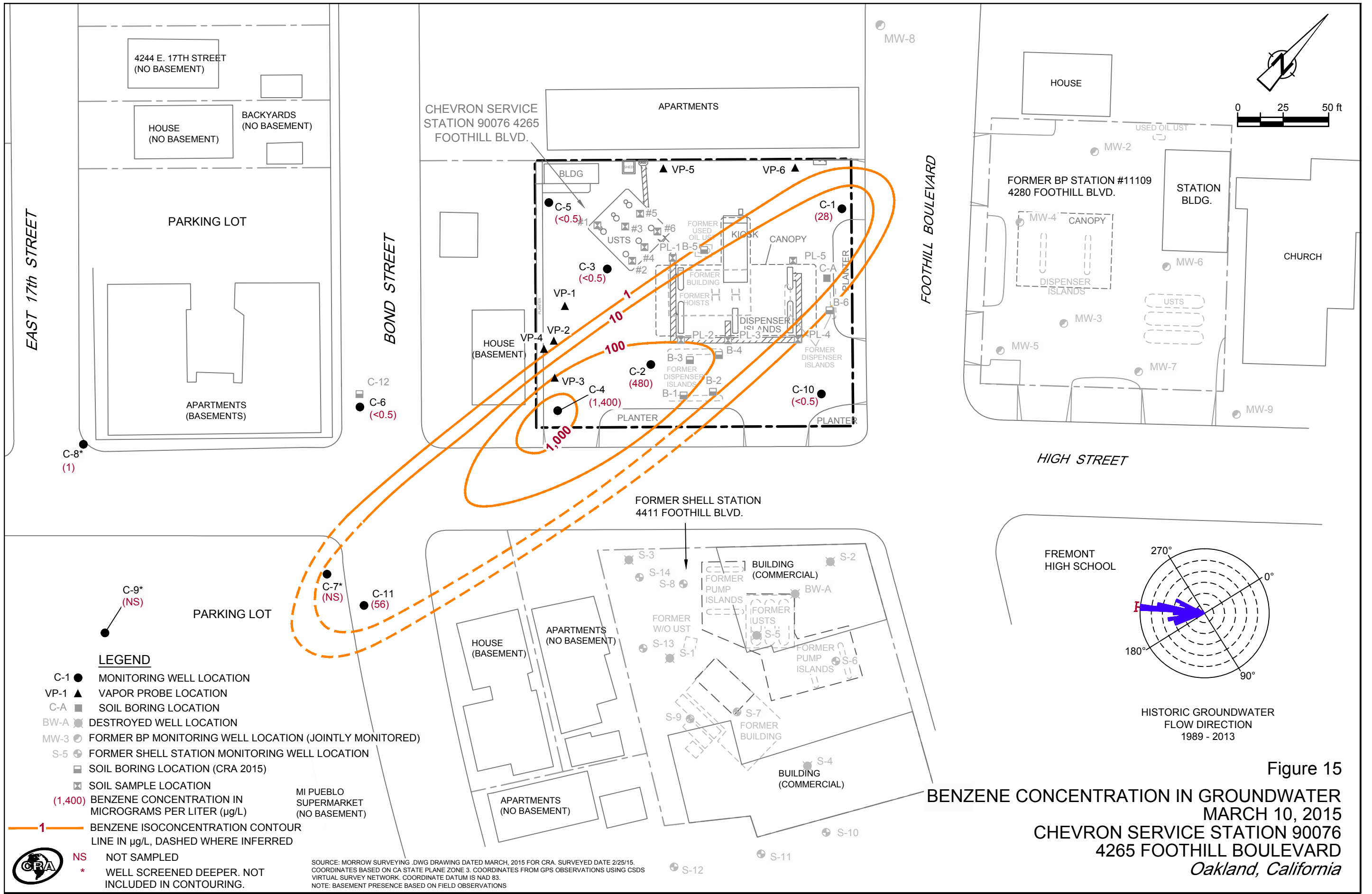
LEGEND

- C-1 ● MONITORING WELL LOCATION
- VP-1 ▲ VAPOR PROBE LOCATION
- C-A ■ SOIL BORING LOCATION
- BW-A ☒ DESTROYED WELL LOCATION
- MW-3 ○ FORMER BP MONITORING WELL LOCATION (JOINTLY MONITORED)
- S-5 ⊕ FORMER SHELL STATION MONITORING WELL LOCATION
- SOIL BORING LOCATION (CRA 2015)
- ⊗ SOIL SAMPLE LOCATION
- (310) TPHg CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
- 100 — TPHg ISOCONCENTRATION CONTOUR LINE IN µg/L, DASHED WHERE INFERRED
- NS NOT SAMPLED
- * WELL SCREENED DEEPER. NOT INCLUDED IN CONTOURING.

NOTE:
 J = ESTIMATED VALUE ≥ THE METHOD DETECTION LIMIT (MDL OR DL) AND < LIMIT OF QUANTITATION (LOQ OR RL).

SOURCE: MORROW SURVEYING. DWG DRAWING DATED MARCH, 2015 FOR CRA. SURVEYED DATE 2/25/15. COORDINATES BASED ON CA STATE PLANE ZONE 3. COORDINATES FROM GPS OBSERVATIONS USING CSDS VIRTUAL SURVEY NETWORK. COORDINATE DATUM IS NAD 83. NOTE: BASEMENT PRESENCE BASED ON FIELD OBSERVATIONS





HIGH STREET

FOOTHILL BOULEVARD

BOND STREET

EAST 17th STREET

4244 E. 17TH STREET
(NO BASEMENT)

HOUSE
(NO BASEMENT)

BACKYARDS
(NO BASEMENT)

PARKING LOT

APARTMENTS
(BASEMENTS)

CHEVRON SERVICE
STATION 90076 4265
FOOTHILL BLVD.

APARTMENTS

HOUSE
(BASEMENT)

PLANTER

FORMER SHELL STATION
4411 FOOTHILL BLVD.

BUILDING
(COMMERCIAL)

HOUSE
(BASEMENT)

APARTMENTS
(NO BASEMENT)

APARTMENTS
(NO BASEMENT)

BUILDING
(COMMERCIAL)

HOUSE

FORMER BP STATION #11109
4280 FOOTHILL BLVD.

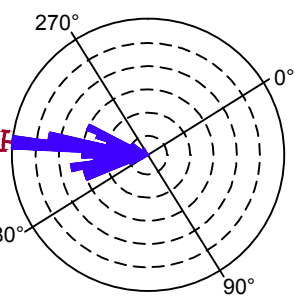
STATION
BLDG.

CHURCH

LEGEND

- C-1 ● MONITORING WELL LOCATION
- VP-1 ▲ VAPOR PROBE LOCATION
- C-A ■ SOIL BORING LOCATION
- BW-A ☒ DESTROYED WELL LOCATION
- MW-3 ○ FORMER BP MONITORING WELL LOCATION (JOINTLY MONITORED)
- S-5 ⊕ FORMER SHELL STATION MONITORING WELL LOCATION
- SOIL BORING LOCATION (CRA 2015)
- ⊗ SOIL SAMPLE LOCATION
- (1,400) BENZENE CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
- MI PUEBLO SUPERMARKET (NO BASEMENT)
- 1 — BENZENE ISOCONCENTRATION CONTOUR LINE IN µg/L, DASHED WHERE INFERRED
- NS NOT SAMPLED
- * WELL SCREENED DEEPER. NOT INCLUDED IN CONTOURING.

SOURCE: MORROW SURVEYING. DWG DRAWING DATED MARCH, 2015 FOR CRA. SURVEYED DATE 2/25/15.
 COORDINATES BASED ON CA STATE PLANE ZONE 3. COORDINATES FROM GPS OBSERVATIONS USING CSDS
 VIRTUAL SURVEY NETWORK. COORDINATE DATUM IS NAD 83.
 NOTE: BASEMENT PRESENCE BASED ON FIELD OBSERVATIONS



HISTORIC GROUNDWATER
FLOW DIRECTION
1989 - 2013

Figure 15

**BENZENE CONCENTRATION IN GROUNDWATER
MARCH 10, 2015
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
Oakland, California**

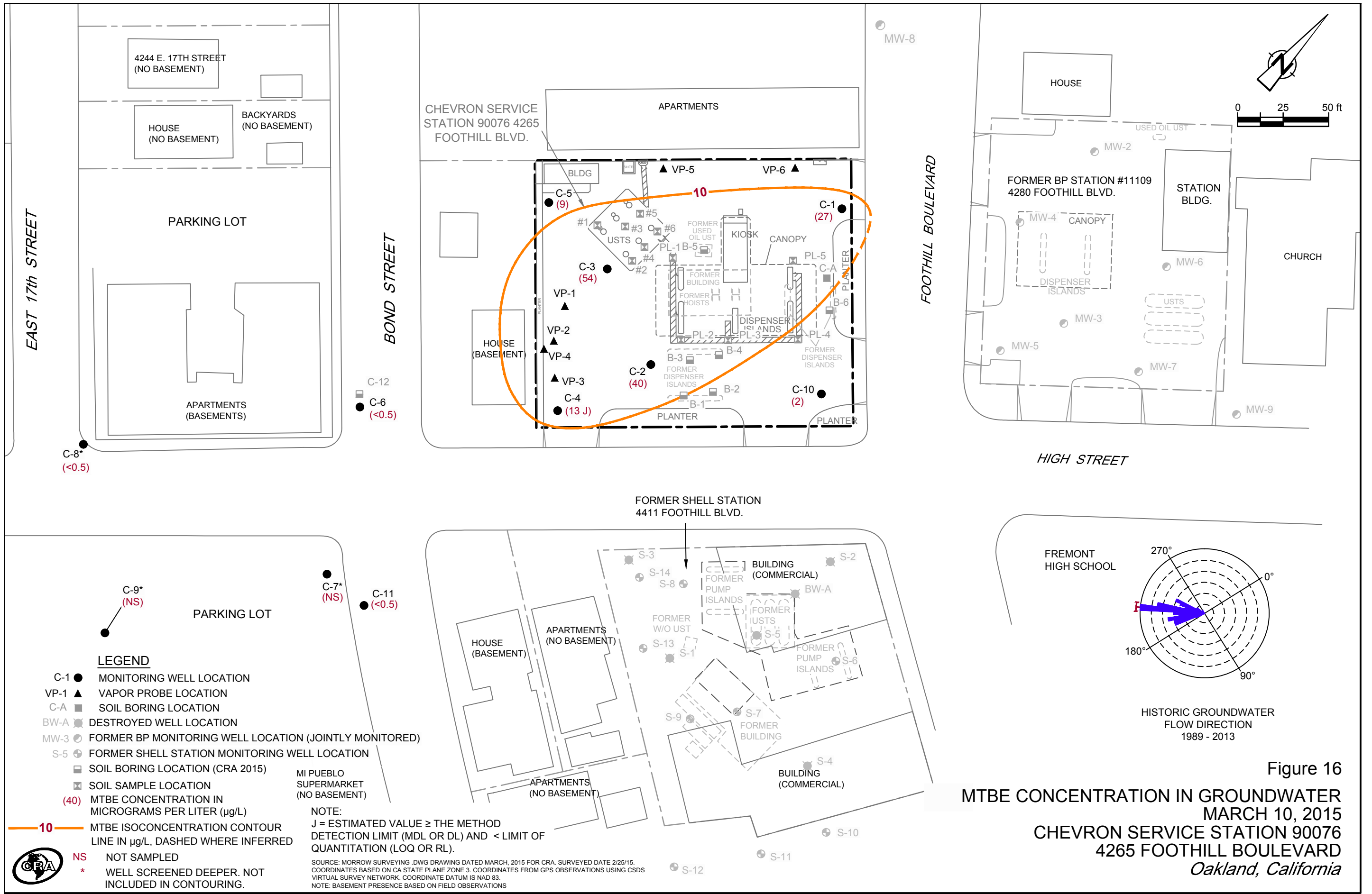


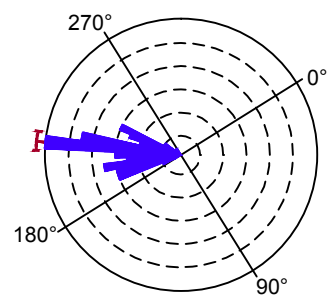
Figure 16
MTBE CONCENTRATION IN GROUNDWATER
MARCH 10, 2015
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
Oakland, California

LEGEND

- C-1 ● MONITORING WELL LOCATION
- VP-1 ▲ VAPOR PROBE LOCATION
- C-A ■ SOIL BORING LOCATION
- BW-A ☒ DESTROYED WELL LOCATION
- MW-3 ○ FORMER BP MONITORING WELL LOCATION (JOINTLY MONITORED)
- S-5 ⊕ FORMER SHELL STATION MONITORING WELL LOCATION
- SOIL BORING LOCATION (CRA 2015)
- ⊗ SOIL SAMPLE LOCATION
- (40) MTBE CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
- MI PUEBLO SUPERMARKET (NO BASEMENT)

NOTE:
 J = ESTIMATED VALUE ≥ THE METHOD DETECTION LIMIT (MDL OR DL) AND < LIMIT OF QUANTITATION (LOQ OR RL).

SOURCE: MORROW SURVEYING. DWG DRAWING DATED MARCH, 2015 FOR CRA. SURVEYED DATE 2/25/15. COORDINATES BASED ON CA STATE PLANE ZONE 3. COORDINATES FROM GPS OBSERVATIONS USING CSDS VIRTUAL SURVEY NETWORK. COORDINATE DATUM IS NAD 83. NOTE: BASEMENT PRESENCE BASED ON FIELD OBSERVATIONS



HISTORIC GROUNDWATER FLOW DIRECTION 1989 - 2013

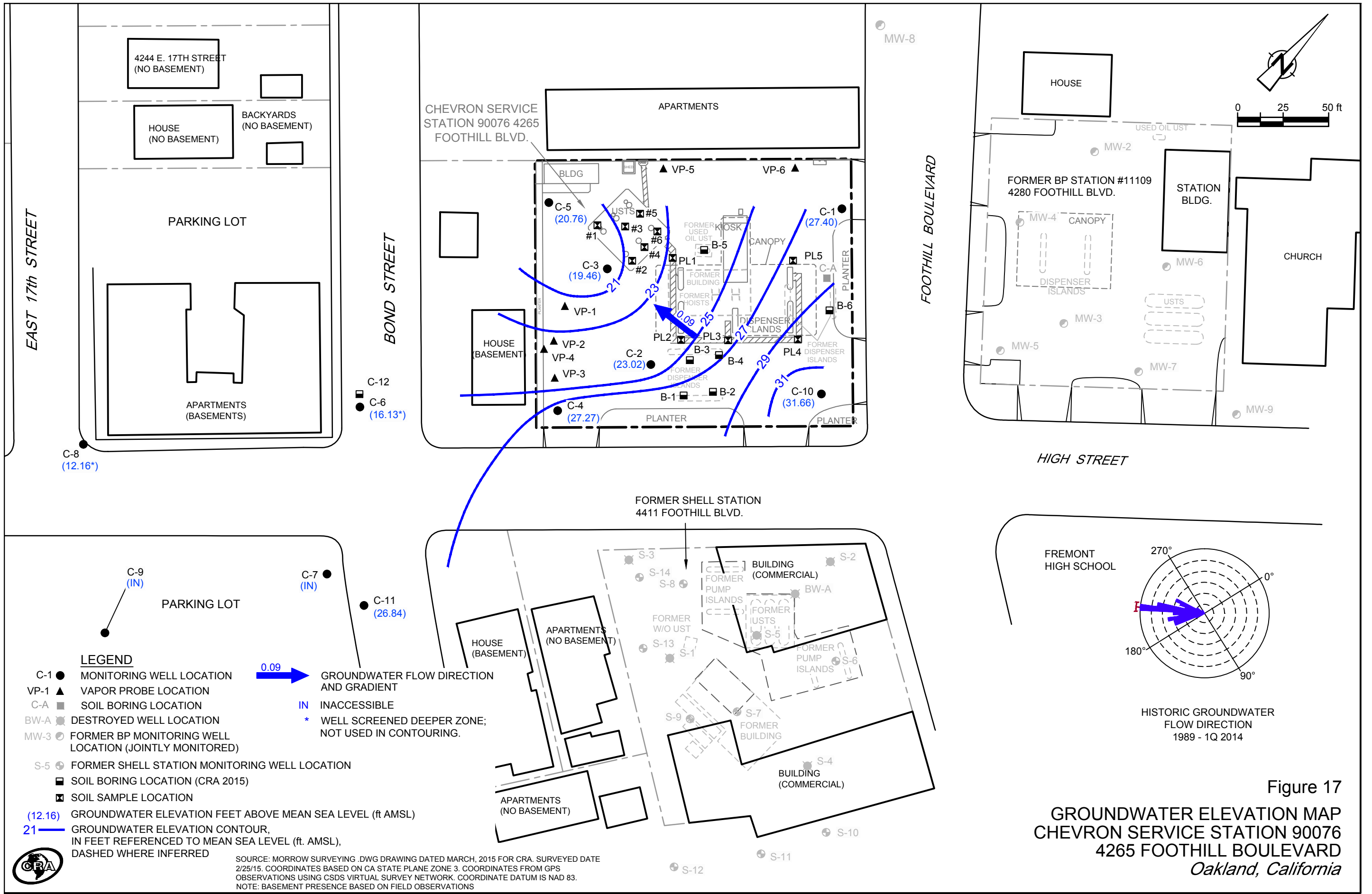


Figure 17
GROUNDWATER ELEVATION MAP
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
Oakland, California

Tables

TABLE 1
 CUMMULATIVE SOIL ANALYTICAL DATA
 CHEVRON STATION 90076
 4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Sample ID	Date	Depth (fbg)	TOG	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naphthalene	DIPE	TAME	TBA	ETBE	1,2-DCA	EDB	Other VOCs	SVOCs	Pesticides/PCBs	Cadmium	Total Chromium	Lead	Nickel	Zinc
LTC - Commercial - 0 to 5 fbg ^a			--	--	--	--	8.2	--	89	--	--	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LTC - Commercial - Outdoor Air - 5 to 10 fbg			--	--	--	--	12	--	134	--	--	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LTC - Utility Worker - 0 to 10 fbg ^a			--	--	--	--	14	--	314	--	--	219	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ESL Table K-2 - Direct Contact Commercial (Metals) ^d			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,000	No Value	320	19,000	310,000
ESL Table K-3 - Direct Contact Construction Worker (Metals) ^d			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	110	No Value	320	6,100	93,000

2015 Site Investigation																											
C-11	02/02/15	3	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-11	02/02/15	8	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-11	02/03/15	10	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-11	02/03/15	15	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-11	02/03/15	20	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-11	02/03/15	25	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-12*	02/02/15	3	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-12*	02/02/15	8	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-12*	02/03/15	10	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-12*	02/03/15	15	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-12*	02/03/15	20	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-12*	02/03/15	25	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-12*	02/03/15	30	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	0.0009 J	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B1	02/05/15	3	--	--	--	3.8	0.005 J	<0.001	<0.001	0.002 J	0.001 J	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B1	02/05/15	8	--	--	--	2.5	0.005 J	<0.001	0.003 J	<0.001	0.0006 J	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B1	02/06/15	10	--	--	--	45	0.024 ^b	<0.0009 ^b	0.26 ^b	0.13 ^b	0.001 ^b J	0.21 ^b	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B1	02/06/15	14	--	--	--	26	0.005 J	<0.001	0.26	0.094	<0.0005	0.29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B1	02/06/15	15	--	--	--	29	0.009	0.005 J	0.23	0.74	<0.0005	0.089	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B1	02/06/15	20	--	--	--	<0.5	0.001 J	<0.001	0.002 J	0.007	0.004 J	0.002 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B1	02/06/15	25	--	--	--	3.8	0.004 J	0.001 J	0.083	0.35	<0.0005	0.066	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B1	02/06/15	30	--	--	--	140	0.20 J	<0.054	0.45	0.97	<0.027	0.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B2	02/06/15	3	--	--	--	1.0	0.001 J	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B2	02/06/15	8	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B2	02/06/15	10	--	--	--	<0.5	0.004 J	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B2	02/06/15	15	--	--	--	4.4	0.013	<0.0009	0.002 J	<0.0009	0.002 J	0.001 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B2	02/06/15	20	--	--	--	0.9 J	0.006	<0.001	0.001 J	<0.001	0.001 J	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B2	02/06/15	25	--	--	--	<0.5	0.005	<0.001	0.001 J	<0.001	0.002 J	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B2	02/06/15	30	--	--	--	100	0.071 J	<0.052	0.27	1.1	<0.026	0.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
 CUMMULATIVE SOIL ANALYTICAL DATA
 CHEVRON STATION 90076
 4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Sample ID	Date	Depth (fbg)	TOG	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naphthalene	DIPE	TAME	TBA	ETBE	1,2-DCA	EDB	Other VOCs	SVOCs	Pesticides/PCBs	Cadmium	Total Chromium	Lead	Nickel	Zinc	
																											Concentrations reported in milligrams per kilogram (mg/kg)
LTC - Commercial - 0 to 5 fbg^a			--	--	--	--	8.2	--	89	--	--	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
LTC - Commercial - Outdoor Air - 5 to 10 fbg			--	--	--	--	12	--	134	--	--	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
LTC - Utility Worker - 0 to 10 fbg^a			--	--	--	--	14	--	314	--	--	219	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
ESL Table K-2 - Direct Contact Commercial (Metals)^d			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,000	No Value	320	19,000	310,000
ESL Table K-3 - Direct Contact Construction Worker (Metals)^d			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	110	No Value	320	6,100	93,000
B3	02/05/15	3	--	--	--	0.7 J	0.003 J	<0.001	<0.001	0.003 J	0.002 J	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B3	02/05/15	8	--	--	--	250	0.24 J	<0.050	5.1	6.9	<0.025	5.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B3	02/05/15	10	--	--	--	270	0.15 J	<0.050	3.4	8.6	0.029 J	1.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B3	02/05/15	15	--	--	--	3.6	0.035	<0.001	0.020	0.009	0.011	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B3	02/05/15	20	--	--	--	120	0.17 J	<0.053	4.8	13	<0.026	2.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B3	02/05/15	25	--	--	--	<0.5	0.003 J	<0.0009	0.001 J	0.003 J	0.013	<0.0009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B3	02/05/15	30	--	--	--	<0.5	0.003 J	<0.001	0.007	0.020	0.006	0.011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B4	02/05/15	3	--	--	--	0.8 J	0.002 J	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B4	02/05/15	8	--	--	--	<0.5	0.001 J	<0.001	<0.001	<0.001	0.0007 J	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B4	02/05/15	10	--	--	--	16	0.005	<0.001	0.011	0.004 J	0.017	0.013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B4	02/05/15	15	--	--	--	22	0.076	0.001 J	0.21	0.31	0.052	0.23 ^c J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B4	02/05/15	20	--	--	--	74	0.14 J	<0.051	0.82	1.2	<0.026	0.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B4	02/05/15	25	--	--	--	320	0.87	<0.055	4.3	4.0	0.28	0.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B4	02/05/15	30	--	--	--	7.7	0.27	<0.001	0.098	0.006	0.11	0.006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B5	02/04/15	3	--	85	68	<0.5	0.001 J	<0.0009	<0.0009	<0.0009	0.001 J	<0.0009	<0.0009	<0.0009	<0.019	<0.0009	<0.0009	<0.0009	<0.0009	See Table 1A	See Table 1B	ND	0.712	61.8	325	68.5	365
B5	02/04/15	8	--	<9.9	<4.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	<0.001	See Table 1A	See Table 1B	ND	<0.0324	70.5	12.4	115	58.4	
B5	02/04/15	10	--	<10	<4.0	<0.5	0.0008 J	<0.0009	<0.0009	0.001 J	0.002 J	<0.0009	<0.0009	<0.0009	<0.018	<0.0009	<0.0009	<0.0009	See Table 1A	See Table 1B	ND	0.0760 J	58.2	3.17	142	35.0	
B5	02/04/15	15	--	<9.9	86	590	0.035 J	1.4	13	55	<0.025	3.2	<0.051	<0.051	<1.0	<0.051	<0.051	<0.051	See Table 1A	See Table 1B	ND	0.0680 J	43.9	3.69	81.4	33.8	
B5	02/04/15	20	--	<10	32	61	<0.025	0.067 J	3.5	13.8	<0.025	1.4	<0.050	<0.050	<0.99	<0.050	<0.050	<0.050	See Table 1A	See Table 1B	ND	0.0843 J	83.9	3.77	127	39.2	
B5	02/04/15	25	--	<9.9	9.2 J	4.1	0.074	0.002 J	0.026	0.045	0.28	0.006	<0.001	<0.001	0.23	<0.001	<0.001	<0.001	See Table 1A	See Table 1B	ND	0.0431 J	41.3	4.97	70.7	44.4	
B5	02/04/15	30	--	<9.9	27	48	<0.026	0.18 J	1.8	8.1	0.055 J	0.20 J	<0.052	<0.052	<1.0	<0.052	<0.052	<0.052	See Table 1A	See Table 1B	ND	0.123 J	46.9	4.55	57.3	39.1	
B6	02/06/15	3	--	--	--	<0.5	0.004 J	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B6	02/06/15	8	--	--	--	18	0.056	0.001 J	0.020	0.004 J	0.011	0.088	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B6	02/06/15	10	--	--	--	130	0.050 J	<0.052	0.28	<0.052	<0.026	0.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B6	02/06/15	15	--	--	--	180	1.4	0.15 J	8.3	0.97	0.088 J	1.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B6	02/06/15	20	--	--	--	940	0.57	0.11 J	10	0.79	<0.025	2.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B6	02/06/15	25	--	--	--	160	0.37	<0.054	0.96	0.057 J	<0.027	0.12 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B6	02/06/15	30	--	--	--	250	0.72	0.61	3.0	6.7	<0.023	0.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-4	02/05/15	3	--	--	--	<0.5	0.001 J	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-4	02/05/15	6	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE 1
 CUMMULATIVE SOIL ANALYTICAL DATA
 CHEVRON STATION 90076
 4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Sample ID	Date	Depth (fbg)	TOG	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Concentrations reported in milligrams per kilogram (mg/kg)										Other VOCs	SVOCs	Pesticides/PCBs	Cadmium	Total Chromium	Lead	Nickel	Zinc
												Naphthalene	DIPE	TAME	TBA	ETBE	1,2-DCA	EDB											
LTC - Commercial - 0 to 5 fbg^a																													
			--	--	--	--	8.2	--	89	--	--	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
LTC - Commercial - Outdoor Air - 5 to 10 fbg																													
			--	--	--	--	12	--	134	--	--	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
LTC - Utility Worker - 0 to 10 fbg^a																													
			--	--	--	--	14	--	314	--	--	219	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
ESL Table K-2 - Direct Contact Commercial (Metals)^d																													
			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,000	No Value	320	19,000	310,000			
ESL Table K-3 - Direct Contact Construction Worker (Metals)^d																													
			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	110	No Value	320	6,100	93,000			
VP-5	02/04/15	3	--	--	--	1.2	0.0008 J	<0.001	<0.001	<0.001	0.002 J	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-5	02/04/15	6	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	0.01	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-6	02/04/15	3	--	--	--	<0.5	0.010	<0.001	0.002 J	0.003 J	0.002 J	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-6	02/04/15	6	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	0.0009 J	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2005 Soil Vapor Probe Installation																													
VP-1	11/21/05	7.0-7.5	--	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	0.001	--	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	
VP-2	11/21/05	6.5-7.0	--	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	0.002	--	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	
VP-3	11/21/05	5.5-6.0	--	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	0.002	--	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	
2003 Well Installation Sampling																													
C-10	08/08/03	10	--	--	--	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	
C-10	08/08/03	15	--	--	--	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	
C-10	08/08/03	20	--	--	--	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	
C-10	08/08/03	25	--	--	--	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	
C-10	08/08/03	30	--	--	--	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	
1997 Dispenser Island Upgrade and Product Piping Replacement Sampling																													
PL1	07/21/97	4	--	--	--	1.8	0.031	0.016	0.023	0.19	2.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
PL2	07/21/97	4	--	--	--	210	0.64	0.90	3.6	11	<2.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
PL3	07/21/97	4	--	--	--	34	0.20	0.15	0.88	4.4	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
PL4	07/21/97	4	--	--	--	45	<0.0050	<0.0050	0.87	3.5	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
PL5	07/21/97	4	--	--	--	130	0.64	0.25	0.71	0.51	6.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1987 - 1996 Well Installation and Soil Boring Sampling																													
C-A	08/13/87	8.5	--	--	--	3,600	33	12	--	350	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-A	08/13/87	19	--	--	--	63	2.0	0.1	--	2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-A	08/13/87	23.5	--	--	--	52	1.8	<0.1	--	0.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE 1
 CUMMULATIVE SOIL ANALYTICAL DATA
 CHEVRON STATION 90076
 4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Sample ID	Date	Depth (fbg)	TOG	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naphthalene	DIPE	TAME	TBA	ETBE	1,2-DCA	EDB	Other VOCs	SVOCs	Pesticides/PCBs	Cadmium	Total Chromium	Lead	Nickel	Zinc	
																											Concentrations reported in milligrams per kilogram (mg/kg)
LTC - Commercial - 0 to 5 fbg^a			--	--	--	--	8.2	--	89	--	--	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
LTC - Commercial - Outdoor Air - 5 to 10 fbg			--	--	--	--	12	--	134	--	--	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
LTC - Utility Worker - 0 to 10 fbg^a			--	--	--	--	14	--	314	--	--	219	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
ESL Table K-2 - Direct Contact Commercial (Metals)^d			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,000	No Value	320	19,000	310,000
ESL Table K-3 - Direct Contact Construction Worker (Metals)^d			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	110	No Value	320	6,100	93,000
C-1	08/13/87	9	--	--	--	<5	<0.05	<0.1	--	<0.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-1	08/13/87	19	--	--	--	<5	<0.05	<0.1	--	<0.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-1	08/13/87	29	--	--	--	<5	<0.05	<0.1	--	<0.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-2	08/13/87	9	--	--	--	1,200	16	54	--	120	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-2	08/13/87	19	--	--	--	<5	0.07	0.8	--	<0.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-2	08/13/87	29	--	--	--	48	0.93	0.1	--	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-3	08/13/87	9	--	--	--	7	0.05	<0.1	--	0.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-3	08/13/87	19	--	--	--	<5	<0.05	<0.1	--	<0.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-3	08/13/87	29	--	--	--	<5	<0.05	<0.1	--	<0.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-4	08/13/87	9	--	--	--	580	3.9	23	--	46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-4	08/13/87	19	--	--	--	<5	<0.05	<0.1	--	<0.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-4	08/13/87	29	--	--	--	<5	<0.05	<0.1	--	<0.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-5 (BH-E)	08/01/90	11	--	--	--	54	0.5	1.7	0.8	4.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-5 (BH-E)	08/01/90	16	--	--	--	<10	<0.005	<0.005	<0.005	0.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-5 (BH-E)	08/01/90	21	--	--	--	<10	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-5 (BH-E)	08/01/90	26	--	--	--	<10	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-6 (BH-F)	08/01/90	16	--	--	--	<10	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-6 (BH-F)	08/01/90	21	--	--	--	<10	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-6 (BH-F)	08/01/90	31	--	--	--	42	0.2	<0.005	0.1	0.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-6 (BH-F)	08/01/90	41	--	--	--	<10	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-7 (BH-G)	07/31/90	11	--	--	--	<10	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-7 (BH-G)	07/31/90	16	--	--	--	<10	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-7 (BH-G)	07/31/90	21	--	--	--	<10	0.02	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-7 (BH-G)	07/31/90	31	--	--	--	<10	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-7 (BH-G)	07/31/90	41	--	--	--	<10	0.007	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-8 (BH-H)	11/01/90	5.5	--	--	--	<10	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-8 (BH-H)	11/01/90	40	--	--	--	<10	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-8 (BH-H)	11/01/90	45	--	--	--	<10	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE 1
 CUMMULATIVE SOIL ANALYTICAL DATA
 CHEVRON STATION 90076
 4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Sample ID	Date	Depth (fbg)	TOG	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naphthalene	DIPE	TAME	TBA	ETBE	1,2-DCA	EDB	Other VOCs	SVOCs	Pesticides/PCBs	Cadmium	Total Chromium	Lead	Nickel	Zinc	
																											Concentrations reported in milligrams per kilogram (mg/kg)
LTC - Commercial - 0 to 5 fbg^a			--	--	--	--	8.2	--	89	--	--	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
LTC - Commercial - Outdoor Air - 5 to 10 fbg			--	--	--	--	12	--	134	--	--	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
LTC - Utility Worker - 0 to 10 fbg^a			--	--	--	--	14	--	314	--	--	219	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
ESL Table K-2 - Direct Contact Commercial (Metals)^d			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,000	No Value	320	19,000	310,000	
ESL Table K-3 - Direct Contact Construction Worker (Metals)^d			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	110	No Value	320	6,100	93,000	
C-9	07/10/96	10	--	--	--	1.2	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-9	07/10/96	20	--	--	--	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-9	07/10/96	30	--	--	--	1.1	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-9	07/10/96	45	--	--	--	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1987 Underground Storage Tank Removal Sampling																											
#1	05/22/87	13.5	--	--	--	<1	<0.005	<0.005	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
#2	05/22/87	13.5	--	--	--	<1	<0.005	<0.005	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
#3	05/22/87	13.5	--	--	--	<1	<0.005	<0.005	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
#4	05/22/87	13.5	--	--	--	<1	0.014	0.038	--	0.020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
#5	05/22/87	12.5	--	--	--	21	0.057	0.092	--	0.029	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
#6	05/22/87	13.5	--	--	--	15	0.010	<0.005	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
#7	05/21/87	9.5	100	63	--	--	0.005	0.020	<0.005	<0.005	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	
#8	05/21/87	9.5	<100	<5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE 1
 CUMMULATIVE SOIL ANALYTICAL DATA
 CHEVRON STATION 90076
 4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Sample ID	Date	Depth (fbg)	TOG	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naphthalene	DIPE	TAME	TBA	ETBE	1,2-DCA	EDB	Other VOCs	SVOCs	Pesticides/PCBs	Cadmium	Total Chromium	Lead	Nickel	Zinc
LTC - Commercial - 0 to 5 fbg ^a			--	--	--	--	8.2	--	89	--	--	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LTC - Commercial - Outdoor Air - 5 to 10 fbg			--	--	--	--	12	--	134	--	--	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LTC - Utility Worker - 0 to 10 fbg ^a			--	--	--	--	14	--	314	--	--	219	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ESL Table K-2 - Direct Contact Commercial (Metals) ^d			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,000	No Value	320	19,000	310,000
ESL Table K-3 - Direct Contact Construction Worker (Metals) ^d			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	110	No Value	320	6,100	93,000

Abbreviations/Notes:

TOG = Total oil and grease analyzed by EPA Method 8015, unless otherwise noted

TPHmo = Total petroleum hydrocarbons as motor oil by EPA Method 8015

TPHd = Total petroleum hydrocarbons as diesel by EPA Method 8015

TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8015 unless otherwise noted

Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B; before 2003, analyzed by EPA Method 8020 unless otherwise noted

MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B, unless otherwise noted

DIPE = di-isopropyl ether, TAME = t-amyl methyl ether, TBA = tert-butyl alcohol, ETBE = ethyl tertiary butyl ether, 1,2-DCA = 1,2-dichloroethane and EDB = 1,2-Dibromoethane analyzed by EPA Method 8260B, unless otherwise noted.

VOC = Volatile organic compounds by EPA Method 8260B

SVOC = Semi-volatile organic compounds by EPA Method 8270C

Pesticides and polychlorinated biphenyls (PCBs) by EPA Method 8082

Cadmium, chromium, lead, nickel, and zinc by EPA Method 6010B

fbg = feet below grade

-- = not analyzed, not established, or not applicable

<x = Not detected at or above stated laboratory method detection limits

ND = Not detected at or above stated laboratory method detection limits

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

* Well boring was not converted to a well due to lack of encountered water

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

b = The recovery for the sample internal standard is outside the QC acceptance limits. The following corrective action was taken: The secondary vial leaked during re-analysis therefore the matrix effects observed in the initial analysis could not be confirmed. The values reported here are from the initial analysis.

c = The concentration reported for Naphthalene is estimated since it exceeds the calibration range of the instrument when determined by the low level method, but is less than the quantitation limit when determined by the high level method. The result reported is from the high level determination.

d = Environmental Screening Levels (ESLs) from the San Francisco Regional Water Quality Control Board, User's Guide, *Derivation and Application of Environmental Screening Levels*, December 2013

TABLE 1A
 SOIL ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS
 CHEVRON STATION 90076
 4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Sample ID	Date	Depth (fbg)	Acetone	t-Amyl methyl ether	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone	t-Butyl alcohol	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	2-Chloroethyl Vinyl Ether	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-chloropropane	Dibromochloromethane	1,2-Dibromomethane	Dibromomethane	1,2-Dichlorobenzene		
Concentrations in milligrams per kilogram (mg/kg)																															
B5	02/04/15	3	0.12	<0.0009	0.001 J	<0.0009	<0.0009	<0.0009	<0.0009	<0.002	0.02	<0.019	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.002	<0.002	<0.0009	<0.002	<0.0009	<0.0009	<0.002	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009
B5	02/04/15	8	0.01 J	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.004	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
B5	02/04/15	10	<0.006	<0.0009	0.0008 J	<0.0009	<0.0009	<0.0009	<0.0009	<0.002	<0.004	<0.018	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.002	<0.002	<0.0009	<0.002	<0.0009	<0.0009	<0.002	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009
B5	02/04/15	15	<0.35	<0.051	0.035 J	<0.051	<0.051	<0.051	<0.051	<0.10	<0.20	<1.0	1.2	0.47	0.49	<0.051	<0.051	<0.051	<0.10	<0.10	<0.051	<0.10	<0.051	<0.051	<0.10	<0.051	<0.10	<0.051	<0.10	<0.051	<0.051
B5	02/04/15	20	<0.35	<0.050	<0.025	<0.050	<0.050	<0.050	<0.050	<0.099	<0.20	<0.99	0.80	0.27	0.34	<0.050	<0.050	<0.050	<0.099	<0.099	<0.050	<0.099	<0.050	<0.050	<0.099	<0.050	<0.050	<0.050	<0.050	<0.050	
B5	02/04/15	25	0.19	<0.001	0.074	<0.001	<0.001	<0.001	<0.001	<0.002	0.054	0.23	0.018	0.007	0.004 J	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	
B5	02/04/15	30	<0.37	<0.052	<0.026	<0.052	<0.052	<0.052	<0.052	<0.10	<0.21	<1.0	0.17	0.075 J	0.054 J	<0.052	<0.052	<0.052	<0.10	<0.10	<0.052	<0.10	<0.052	<0.052	<0.10	<0.052	<0.10	<0.052	<0.10	<0.052	

Sample ID	Date	Depth (fbg)	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1,1-Dichloroethane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethanol	Ethyl tertiary butyl ether	Ethylbenzene	Freon 113	Hexachlorobutadiene	2-Hexanone	di-Isopropyl ether	Isopropylbenzene	p-Isopropyltoluene	Methyl Tertiary Butyl Ether	4-Methyl-2-pentanone	Methylene Chloride	Naphthalene	
Concentrations in milligrams per kilogram (mg/kg)																														
B5	02/04/15	3	<0.0009	<0.0009	<0.002	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.094	<0.0009	<0.0009	<0.002	<0.002	<0.003	<0.0009	<0.0009	<0.0009	<0.0009	0.001 J	<0.003	0.003 J	<0.0009
B5	02/04/15	8	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.001	<0.001	<0.002	<0.002	<0.003	<0.001	<0.001	<0.001	<0.0005	<0.003	<0.002	<0.001	<0.001
B5	02/04/15	10	<0.0009	<0.0009	<0.002	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.091	<0.0009	<0.0009	<0.002	<0.002	<0.003	<0.0009	<0.0009	<0.0009	0.002 J	<0.003	<0.002	<0.0009	<0.0009
B5	02/04/15	15	<0.051	<0.051	<0.10	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051	<5.1	<0.051	13	<0.10	<0.10	<0.15	<0.051	1.1	0.24 J	<0.025	<0.15	<0.10	3.2	<0.0009
B5	02/04/15	20	<0.050	<0.050	<0.099	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<5.0	<0.050	3.5	<0.099	<0.099	<0.15	<0.050	0.50	0.13 J	<0.025	<0.15	<0.099	1.4	<0.0009
B5	02/04/15	25	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.001	0.026	<0.002	<0.002	<0.003	<0.001	0.008	0.004 J	0.28	<0.003	<0.002	0.006	<0.0009
B5	02/04/15	30	<0.052	<0.052	<0.10	<0.052	<0.052	<0.052	<0.052	<0.052	<0.052	<0.052	<0.052	<0.052	<0.052	<0.052	<5.2	<0.052	1.8	<0.10	<0.10	<0.16	<0.052	0.16 J	<0.052	0.055 J	<0.16	<0.10	0.20 J	<0.0009

Sample ID	Date	Depth (fbg)	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	m+p-Xylene	o-Xylene
Concentrations in milligrams per kilogram (mg/kg)																				
B5	02/04/15	3	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009
B5	02/04/15	8	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
B5	02/04/15	10	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.002	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	0.001 J	<0.0009
B5	02/04/15	15	4.3	<0.051	<0.051	<0.051	<0.051	1.4	0.059 J	<0.051	<0.051	<0.051	<0.10	<0.051	24	8.4	<0.051	41	14	<0.0009
B5	02/04/15	20	2.3	<0.050	<0.050	<0.050	<0.050	0.067 J	<0.050	<0.050	<0.050	<0.050	<0.099	<0.050	13	4.4	<0.050	11	2.8	<0.0009
B5	02/04/15	25	0.028	<0.001	<0.001	<0.001	<0.001	0.002 J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	0.040	0.014	<0.001	0.033	0.012	<0.0009
B5	02/04/15	30	0.68	<0.052	<0.052	<0.052	<0.052	0.18 J	<0.052	<0.052	<0.052	<0.052	<0.10	<0.052	3.2	1.1	<0.052	6.3	1.8	<0.0009

Notes:

All analytes were analyzed by EPA Method 8260 Full Scan.

<x = Not detected above method detection limit

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

TABLE 1B
SOIL ANALYTICAL DATA - SEMI-VOLATILE ORGANIC COMPOUNDS
CHEVRON STATION 90026
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Sample ID	Date	Depth (fbg)	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene *	Benzo (b) fluoranthene	Benzo (g,h,i) perylene	Benzo (k) fluoranthene	4-Bromophenyl-phenylether	Butylbenzylphthalate	Di-n-butylphthalate	Carbazole	4-Chloro-3-methylphenol	4-Chloroaniline	Bis (2-Chloroethoxy) methane	Bis (2-Chloroethyl) ether	2-Chloronaphthalene	2-Chlorophenol	4-Chlorophenyl-phenylether	2,2'-oxybis (1-Chloropropane)	Chrysene	Dibenz (a,h) anthracene	Dibenzofuran	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	3,3'-Dichlorophenol	2,4-Dichlorophenol			
Concentrations in milligrams per kilogram (mg/kg)																																	
B5	02/04/15	3	0.005 J	0.010 J	0.017	0.056	0.078	0.078	0.073	0.050	<0.017	<0.066	<0.066	<0.017	<0.017	<0.017	<0.017	<0.017	<0.007	<0.017	<0.017	<0.017	0.094	0.007 J	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017		
B5	02/04/15	8	<0.003	<0.003	<0.003	0.006 J	0.007 J	0.008 J	0.006 J	0.005 J	<0.017	<0.066	<0.066	<0.017	<0.017	<0.017	<0.017	<0.017	<0.007	<0.017	<0.017	<0.017	0.008 J	<0.003	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	
B5	02/04/15	10	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.017	<0.066	<0.066	<0.017	<0.017	<0.017	<0.017	<0.017	<0.007	<0.017	<0.017	<0.017	<0.003	<0.003	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	
B5	02/04/15	15	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.017	<0.067	<0.067	<0.017	<0.017	<0.017	<0.017	<0.017	<0.007	<0.017	<0.017	<0.017	<0.003	<0.003	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	
B5	02/04/15	20	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.018	<0.073	<0.073	<0.018	<0.018	<0.018	<0.018	<0.018	<0.008	<0.018	<0.018	<0.018	<0.004	<0.004	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	
B5	02/04/15	25	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.017	<0.067	<0.067	<0.017	<0.017	<0.017	<0.017	<0.017	<0.007	<0.017	<0.017	<0.017	<0.003	<0.003	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017
B5	02/04/15	30	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.017	<0.067	<0.067	<0.017	<0.017	<0.017	<0.017	<0.017	<0.007	<0.017	<0.017	<0.017	<0.003	<0.003	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017

Sample ID	Date	Depth (fbg)	Diethyl phthalate	2,4-Dimethylphenol	Dimethylphthalate	4,6-Dinitro-2-methylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	bis (2-Ethylhexyl) phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno (1,2,3-cd) pyrene	Isophorone	2-Methylnaphthalene	2-Methylphenol	4-Methylphenol	Naphthalene	2-Nitroaniline	3-Nitroaniline	4-Nitroaniline	Nitrobenzene	2-Nitrophenol	4-Nitrophenol	N-nitroso-di-n-propylamine		
Concentrations in milligrams per kilogram (mg/kg)																															
B5	02/04/15	3	<0.066	<0.017	<0.066	<0.17	<0.30	<0.066	<0.017	<0.066	0.15	0.006 J	<0.003	<0.017	<0.17	<0.033	0.053	<0.017	0.009 J	<0.017	<0.017	0.020	<0.017	<0.066	<0.066	<0.017	<0.017	<0.17	<0.017	<0.017	
B5	02/04/15	8	<0.066	<0.017	<0.066	<0.17	<0.30	<0.066	<0.017	<0.066	0.013 J	<0.003	<0.003	<0.017	<0.17	<0.033	0.006 J	<0.017	<0.003	<0.017	<0.017	<0.003	<0.017	<0.066	<0.066	<0.017	<0.017	<0.17	<0.017	<0.017	<0.017
B5	02/04/15	10	<0.066	<0.017	<0.066	<0.17	<0.30	<0.066	<0.017	<0.066	<0.003	<0.003	<0.003	<0.017	<0.17	<0.033	<0.003	<0.017	<0.003	<0.017	<0.017	<0.003	<0.017	<0.066	<0.066	<0.017	<0.017	<0.17	<0.017	<0.017	<0.017
B5	02/04/15	15	<0.067	<0.017	<0.067	<0.17	<0.30	<0.067	<0.017	<0.067	<0.003	<0.003	<0.003	<0.017	<0.17	<0.033	<0.003	<0.017	0.18	<0.017	<0.017	0.19	<0.017	<0.067	<0.067	<0.017	<0.017	<0.17	<0.017	<0.017	<0.017
B5	02/04/15	20	<0.073	<0.018	<0.073	<0.18	<0.33	<0.073	<0.018	<0.073	<0.004	<0.004	<0.004	<0.018	<0.18	<0.037	<0.004	<0.018	0.011 J	<0.018	<0.018	0.008 J	<0.018	<0.073	<0.073	<0.018	<0.018	<0.18	<0.018	<0.018	<0.018
B5	02/04/15	25	<0.067	<0.017	<0.067	<0.17	<0.30	<0.067	<0.017	<0.067	<0.003	<0.003	<0.003	<0.017	<0.17	<0.033	<0.003	<0.017	0.009 J	<0.017	<0.017	0.006 J	<0.017	<0.067	<0.067	<0.017	<0.017	<0.17	<0.017	<0.017	<0.017
B5	02/04/15	30	<0.067	0.068	<0.067	<0.17	<0.30	<0.067	<0.017	<0.067	<0.003	<0.003	<0.003	<0.017	<0.17	<0.033	<0.003	<0.017	0.075	<0.017	<0.017	0.085	<0.017	<0.067	<0.067	<0.017	<0.017	<0.17	<0.017	<0.017	<0.017

Sample ID	Date	Depth (fbg)	N-Nitrosodiphenylamine	Di-n-octylphthalate	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	1,2,4-Trichlorobenzene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol
Concentrations in milligrams per kilogram (mg/kg)											
B5	02/04/15	3	<0.017	<0.066	<0.033	0.099	<0.017	0.16	<0.017	<0.017	<0.017
B5	02/04/15	8	<0.017	<0.066	<0.033	0.007 J	<0.017	0.015 J	<0.017	<0.017	<0.017
B5	02/04/15	10	<0.017	<0.066	<0.033	<0.003	0.91	<0.003	<0.017	<0.017	<0.017
B5	02/04/15	15	<0.017	<0.067	<0.033	0.004 J	0.81	0.003 J	<0.017	<0.017	<0.017
B5	02/04/15	20	<0.018	<0.073	<0.037	<0.004	1.1	<0.004	<0.018	<0.018	<0.018
B5	02/04/15	25	<0.017	<0.067	<0.033	<0.003	1.6	<0.003	<0.017	<0.017	<0.017
B5	02/04/15	30	<0.017	<0.067	<0.033	<0.003	2.0	0.004 J	<0.017	<0.017	<0.017

Notes:

All analytes were analyzed by EPA Method 8270 Full Scan.

<x = Not detected above method detection limit

* = According to the California State Water Resources Control Board (SWRCB), August 2012, Low-Threat Underground Storage Tank Policy, Table 1 "Concentrations of Petroleum Constituents in Soil That Will Have No Significant Risk of Adversely Affecting Human Health" Benzo(a)pyrene maximum concentrations in soil are as follows:

Commercial Direct Contact (0-5 fbg): 0.68 mg/kg

Commercial Volatilization to Outdoor Air (5-10 fbg): NA

Utility Worker Direct Contact (0-10 fbg): 4.5 mg/kg

**TABLE 2
CUMULATIVE VAPOR ANALYTICAL DATA
CHEVRON STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Sample ID	Date	Probe Depth (fbg)	Concentrations are in micrograms per cubic meter (µg/m ³)										Aliphatic Hydrocarbons		Aromatic Hydrocarbons		Reported in % Volume					
			TPHg	Benzene	Toluene	Ethyl-benzene	m,p-Xylenes	o-Xylenes	MTBE	Naphthalene (TO-17)	Naphthalene (TO-17)	C5 - C6	>C6 - C8	>C8 - C10	>C10 - C12	>C8 - C10	>C10 - C12	O ₂	Nitrate as N	CO ₂	CH ₄	He
LTC - Soil Gas Criteria		Residential	NE	85	NE	1,100	NE	NE	NE	93	93	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	
No Bioattenuation Zone		Commercial	NE	280	NE	3,600	NE	NE	NE	310	310	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	
LTC - Soil Gas Criteria		Residential	NE	85,000	NE	1,100,000	NE	NE	NE	93,000	93,000	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	
Bioattenuation Zone (02>4%)^a		Commercial	NE	280,000	NE	3,600,000	NE	NE	NE	310,000	310,000	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	
VP-2	08/13/12	5.25-5.75	<3,400	<54	<63	<73	<73	<73	<60	<350	--	<1,100	6,600	<2,000	<2,300	<1,600	<1,800	1.9	82	15	0.77	<0.084
VP-3	08/13/12	5.25-5.75	<160	<2.5	<3.0	<3.4	<3.4	<3.4	<2.8	<16	--	<51	<65	<92	<110	<78	<87	3.1	84	13	0.00016	<0.079
VP-3 DUP	08/13/12	5.25-5.75	<160	<2.5	<3.0	<3.4	<3.4	<3.4	<2.8	<16	--	<51	<65	<92	<110	<78	<87	2.8	84	13	<0.00016	<0.079
2015 CRA Vapor Sampling																						
VP-1	02/17/15	5.25-5.75	<470	<3.7	<4.4	<5.0	<5.0	<5.0	<4.2	<24	<4.2	<75	<65	<130	<160	<110	<130	10	83	7.2	<0.00023	<0.12
VP-2	02/17/15	5.25-5.75	Not Sampled Due to Water in the Tubing																			
VP-3	02/17/15	5.25-5.75	<490	<3.8	<4.5	<5.2	8.0	5.7	<4.3	<25	4.5	<78	<98	<140	<170	<120	<130	5.5	85	9.5	<0.00024	<0.12
VP-4	02/17/15	5.50-5.75	<470	<3.7	<4.4	<5.0	<5.0	<5.0	<4.2	<24	<4.2	<75	<95	<140	<160	<110	<130	4.3	88	7.4	<0.00023	<0.12
VP-5	02/17/15	5.50-5.75	23,000	220	130	16	41	17	1,500	<25	10	7,600	11,000	1,000	230	<120	<130	2.5	78	12	7.9	<0.12
VP-5 DUP	02/17/15	5.50-5.75	25,000	220	130	16	42	16	1,500	<24	--	7,600	11,000	940	170	<110	<130	2.4	77	12	8.0	0.22
VP-6	02/17/15	5.50-5.75	62,000	92	150	61	170	86	<20	<110	4.3	24,000	10,000	2,900	<760	<540	<600	6.1	94	0.10	0.0035	<0.11

Notes:

TPHg, Benzene, toluene, ethylbenzene, m,p-xylene, o-xylene, MTBE, and naphthalene by Modified EPA Method TO-15
 Oxygen (O2), methane (CH4), and carbon dioxide (CO2) analyzed by ASTM D-1946M
 Aliphatic Hydrocarbons (C5-C6 Pentane + Hexane; >C6-C8 Heptane; >C8-C10 Decane; and >C10-C12 Dodecane) by Modified EPA Method TO-15 APH
 Aromatic Hydrocarbons (>C8-C10 1,2,3-TMB and >C10-C12 1,2,4,5-TMB) by Modified EPA Method TO-15 APH
 TPHg = Totally petroleum hydrocarbons as gasoline
 MTBE = Methyl tertiary butyl ether
 ESL = Environmental screening levels
 <x = Not detected above method detection limit
 fbg = Feet below grade
 DUP = Field duplicate
bold = concentrations detected at or above Soil Gas ESLs
 a = Table E-2 - Shallow Soil Gas Screening Levels for Evaluation of Potential Vapor Intrusion Concerns from Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater prepared by the California Regional Water Quality Control Board - San Francisco Bay Region, Interim Final November 2007, revised May 2008.
 b = Field duplicate collected simultaneously with original sample

TABLE 3

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 90076
 4265 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCs					ADDITIONAL VOCs	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-1	04/28/1989	35.42	20.05	15.37	0.00	0.00	940	30	1.3	11	13	-	-	-	-	-	-	-	-	-	-	-
C-1	08/08/1989	35.42	24.07	11.35	0.00	0.00	820	45	2.0	13	13	-	-	-	-	-	-	-	-	-	-	-
C-1	12/21/1989	35.42	22.81	12.61	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-1	08/27/1990	35.42	22.12	13.30	0.00	0.00	440	15	1.0	6.0	13	-	-	-	-	-	-	-	-	-	-	-
C-1	11/04/1990	35.42	25.56	9.86	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-1	06/18/1991	35.42	21.64	13.78	0.00	0.00	74	5.6	0.6	1.9	1.3	-	-	-	-	-	-	-	-	-	-	-
C-1	09/19/1991	35.42	24.58	10.84	0.00	0.00	150	7.1	<0.5	2.3	3.0	-	-	-	-	-	-	-	-	-	-	-
C-1	12/20/1991	35.42	26.17	9.25	0.00	0.00	250	10	<0.5	3.7	1.6	-	-	-	-	-	-	-	-	-	-	-
C-1	03/18/1992	35.42	18.25	17.17	0.00	0.00	190	16	<0.5	8.5	3	-	-	-	-	-	-	-	-	-	-	-
C-1	07/14/1992	35.42	27.61	7.81	0.00	0.00	20,000	480	2,200	510	2,900	-	-	-	-	-	-	-	-	-	-	-
C-1	10/08/1992	35.42	24.44	10.98	0.00	0.00	360	34	4.6	19	12	-	-	-	-	-	-	-	-	-	-	-
C-1	01/08/1993	35.42	19.68	15.74	0.00	0.00	120	9.1	0.5	5.1	1.8	-	-	-	-	-	-	-	-	-	-	-
C-1	04/14/1993	35.42	16.38	19.04	0.00	0.00	190	74	0.6	1.0	2.0	-	-	-	-	-	-	-	-	-	-	-
C-1	07/16/1993	35.42	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-1	07/27/1993	35.42	9.39	26.03	0.00	0.00	300	12	<0.5	5.0	2.0	-	-	-	-	-	-	-	-	-	-	-
C-1	09/21/1993	38.41	21.42	16.99	0.00	0.00	360	12	1.2	5.8	3.7	-	-	-	-	-	-	-	-	-	-	-
C-1	01/28/1994	38.41	19.57	18.84	0.00	0.00	370	24	1.0	13	4.0	-	-	-	-	-	-	-	-	-	-	-
C-1	03/17/1994	38.41	16.85	21.56	0.00	0.00	460	42	<0.5	6.7	3.7	-	-	-	-	-	-	-	-	-	-	-
C-1	06/16/1994	38.41	17.83	20.58	0.00	0.00	320	20	0.7	8.7	3.0	-	-	-	-	-	-	-	-	-	-	-
C-1	09/22/1994	38.41	20.26	18.15	0.00	0.00	380	24	0.6	8.8	1.9	-	-	-	-	-	-	-	-	-	-	-
C-1	12/15/1994	38.41	15.82	22.59	0.00	0.00	280	23	7.6	7.8	13	-	-	-	-	-	-	-	-	-	-	-
C-1	03/30/1995	38.41	12.02	26.39	0.00	0.00	2,200	890	8.9	15	<5.0	-	-	-	-	-	-	-	-	-	-	-

TABLE 3

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 90076
 4265 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-1	06/20/1995	38.41	14.40	24.01	0.00	0.00	690	140	<2.0	9.4	2.8	-	-	-	-	-	-	-	-	-	-	-
C-1	09/20/1995	38.41	13.82	24.59	0.00	0.00	730	27	78	26	130	-	-	-	-	-	-	-	-	-	-	-
C-1	12/06/1995	38.41	20.60	17.81	0.00	0.00	220	16	<0.5	7.2	1.7	11	-	-	-	-	-	-	-	-	-	-
C-1	03/21/1996	38.41	11.65	26.76	0.00	0.00	640	170	<2.0	6.7	<2.0	35	-	-	-	-	-	-	-	-	-	-
C-1	06/21/1996	38.41	14.25	24.16	0.00	0.00	640	140	<1.2	8.7	2.0	23	-	-	-	-	-	-	-	-	-	-
C-1	09/06/1996	38.41	16.75	21.66	0.00	0.00	460	24	0.56	10	2.4	43	-	-	-	-	-	-	-	-	-	-
C-1	12/19/1996	38.41	13.98	24.43	0.00	0.00	790	120	22	13	19	<25	-	-	-	-	-	-	-	-	-	-
C-1	03/17/1997	38.41	12.78	25.63	0.00	0.00	2,200	660	<10	15	<10	110	-	-	-	-	-	-	-	-	-	-
C-1	06/11/1997	38.41	15.16	23.25	0.00	0.00	1,500	130	<2.0	16	3.4	130	-	-	-	-	-	-	-	-	-	-
C-1	09/17/1997	38.41	16.94	21.47	0.00	0.00	910	160	23	13	49	180	-	1.4	8.8	101	104	2.0	1.1	<1.0	12	
C-1	12/11/1997	38.41	13.18	25.23	0.00	0.00	2,000	270	7.0	53	7.4	460	-	-	-	-	-	-	-	-	-	-
C-1	03/12/1998	38.41	9.49	28.92	0.00	0.00	3,100	1,300	<20	42	<20	760	-	1.7	3.6	171	171	550	3.0	<1.0	6.6	
C-1	06/23/1998	38.41	10.22	28.19	0.00	0.00	1,300	650	6.9	22	6.5	290	-	-	-	-	-	-	-	-	-	-
C-1	09/01/1998	38.41	16.98	21.43	0.00	0.00	270	6.0	<2.5	<2.5	<2.5	950	-	-	-	-	-	-	-	-	-	-
C-1	12/30/1998	38.41	16.12	22.29	0.00	0.00	2,020	578	<5.0	<5.0	<5.0	1,720	-	-	-	-	-	-	-	-	-	-
C-1	03/31/1999	38.41	13.88	24.53	0.00	0.00	2,140	776	5.89	<5.0	5.15	1,170	-	6.5	1.8	99	89	382	2,520 ¹⁴	0.418	8.23	
C-1	06/14/1999 ¹	38.41	15.32	23.09	0.00	0.00	1,450	524	<5.0	<5.0	<5.0	1,360 ² /1,150	-	-	-	-	-	-	-	-	-	-
C-1	09/30/1999	38.41	16.11	22.30	0.00	0.00	79	1.12	<0.5	1.07	<0.5	677	-	-	-	-	-	-	-	-	-	-
C-1	12/22/1999	38.41	15.04	23.37	0.00	0.00	501	157	4.45	<2.5	4.81	744	-	0.95	2.0	-95	-128	568	0.19	<0.1	11	
C-1	03/09/2000	38.41	7.13	31.28	0.00	0.00	3,300	2,500	28	37	<25	1,700	-	1.8	2.4	-47	-38	520	0.84	0.54	15	
C-1	06/23/2000 ³	38.41	12.55	25.86	0.00	0.00	2,200 ⁴	1,000	6.9	5.7	9.3	1,900	-	-	-	-	-	-	-	-	-	-
C-1	09/05/2000 ³	38.41	17.13	21.28	0.00	0.00	<200	8.3	<2.0	<2.0	<2.0	1,000	-	1.74	2.66	105	59	520	0.41	1.6	10	

TABLE 3

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 90076
 4265 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous Iron	Nitrate (as N)	Sulfate				
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L		
C-1	12/04/2000	38.41	16.93	21.48	0.00	0.00	1,400 ⁴	600	<5.0	<5.0	<5.0	1,500	-	-	-	-	-	-	-	-	-	-	-		
C-1	03/08/2001 ³	38.41	7.96	30.45	0.00	0.00	2,570	1,040	7.93	12.0	<5.00	1,470	-	-	-	-	-	-	-	-	-	-	-		
C-1	06/07/2001 ³	38.41	12.96	25.45	0.00	0.00	750 ⁴	220	5.6	4.8	2.6	2,500 ⁵	-	-	-	-	-	-	-	-	-	-	-		
C-1	09/13/2001 ³	38.41	18.50	19.91	0.00	0.00	670 ⁶	<5.0	<5.0	<5.0	<5.0	660	-	-	-	-	-	-	-	-	-	-	-		
C-1	12/13/2001 ³	38.41	15.39	23.02	0.00	0.00	1,100	340	2.1	0.95	7.9	630	-	-	-	-	-	-	-	-	-	-	-		
C-1	03/08/2002 ³	38.41	10.06	28.35	0.00	0.00	3,600	1,400	9.5	17	6.5	1,900	-	-	-	-	-	-	-	-	-	-	-		
C-1	06/19/2002 ³	38.41	13.49	24.92	0.00	0.00	1,300	220	3.4	2.7	<3.0	1,400	-	-	-	-	-	-	-	-	-	-	-		
C-1	09/11/2002 ³	38.41	17.23	21.18	0.00	0.00	400	22	<0.50	<0.50	<1.5	780	-	-	-	-	-	-	-	-	-	-	-		
C-1	12/11/2002 ³	38.41	18.60	19.81	0.00	0.00	180	4.2	<0.50	1.1	<1.5	350	-	-	-	-	-	-	-	-	-	-	-		
C-1	03/11/2003 ³	38.41	12.60	25.81	0.00	0.00	3,500	1,100	9.1	12	8.0	1,600	-	-	-	-	-	-	-	-	-	-	-		
C-1	06/10/2003 ^{3,7}	38.41	12.68	25.73	0.00	0.00	1,600	350	2	3	3	1,300	-	-	-	-	-	-	-	-	-	-	-		
C-1	09/09/2003 ^{3,7}	38.41	16.75	21.66	0.00	0.00	290	4	<1	1	1	710	<100	-	-	-	-	-	-	-	-	-	-		
C-1	12/09/2003 ^{7,9}	38.41	17.68	20.73	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	200	<50	-	-	-	-	-	-	-	-	-	-		
C-1	03/09/2004 ⁷	38.41	7.80	30.61	0.00	0.00	7,100	2,000	15	23	10	1,100	<50	-	-	-	-	-	-	-	-	-	-		
C-1	06/08/2004 ⁷	38.41	11.12	27.29	0.00	0.00	2,300	840	6	5	4	1,100	<50	-	-	-	-	-	-	-	-	-	-		
C-1	09/08/2004 ⁷	38.41	14.30	24.11	0.00	0.00	150	110	2	0.5	1	730	<50	-	-	-	-	-	-	-	-	-	-		
C-1	12/06/2004 ⁷	38.41	13.26	25.15	0.00	0.00	2,100	480	4	2	2	530	<50	-	-	-	-	-	-	-	-	-	-		
C-1	03/07/2005 ⁷	38.41	6.48	31.93	0.00	0.00	4,100	1,200	9	10	5	1,100	<100	-	-	-	-	-	-	-	-	-	-		
C-1	06/06/2005 ⁷	38.41	8.85	29.56	0.00	0.00	3,400	990	8	9	5	1,100	<100	-	-	-	-	-	-	-	-	-	-		
C-1	09/06/2005 ⁷	38.41	11.42	26.99	0.00	0.00	1,100	83	2	0.9	1	810	<50	-	-	-	-	-	-	-	-	-	-		
C-1	12/05/2005 ⁷	38.41	10.98	27.43	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	78	<50	-	-	-	-	-	-	-	-	-	-		
C-1	03/06/2006 ⁷	38.41	7.77	30.64	0.00	0.00	3,700	880	10	8	7	1,300	<50	-	-	-	-	-	-	-	-	-	-		

TABLE 3

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 90076
 4265 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCs					ADDITIONAL VOCs	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous Iron	Nitrate (as N)	Sulfate				
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L			
C-1	06/05/2006 ⁷	38.41	8.90	29.51	0.00	0.00	380	7	<0.5	<0.5	<0.5	960	<50	-	-	-	-	-	-	-	-	-			
C-1	09/05/2006 ⁷	38.41	11.09	27.32	0.00	0.00	260	<0.5	<0.5	<0.5	<0.5	390	<50	-	-	-	-	-	-	-	-	-			
C-1	12/04/2006 ⁷	38.41	10.92	27.49	0.00	0.00	270	20	<0.5	<0.5	<0.5	250	<50	-	-	-	-	-	-	-	-	-			
C-1	03/05/2007 ⁷	38.41	9.78	28.63	0.00	0.00	2,000	370	5	2	2	820	<50	-	-	-	-	-	-	-	-	-			
C-1	06/04/2007 ⁷	38.41	9.40	29.01	0.00	0.00	180	<0.5	<0.5	<0.5	<0.5	320	<50	-	-	-	-	-	-	-	-	-			
C-1	09/07/2007 ⁷	38.41	10.55	27.86	0.00	0.00	120	<0.5	<0.5	<0.5	<0.5	72	<50	-	-	-	-	-	-	-	-	-			
C-1	12/06/2007 ⁷	38.41	12.15	26.26	0.00	0.00	170	<0.5	<0.5	<0.5	<0.5	58	<50	-	-	-	-	-	-	-	-	-			
C-1	03/06/2008 ⁷	38.41	8.28	30.13	0.00	0.00	3,400	790	8	4	4	610	<50	-	-	-	-	-	-	-	-	-			
C-1	06/05/2008 ⁷	38.41	10.11	28.30	0.00	0.00	210	<0.5	<0.5	<0.5	<0.5	290	<50	-	-	-	-	-	-	-	-	-			
C-1	09/03/2008 ⁷	38.41	12.90	25.51	0.00	0.00	130	<0.5	<0.5	<0.5	<0.5	110	<50	-	-	-	-	-	-	-	-	-			
C-1	12/03/2008 ⁷	38.41	13.85	24.56	0.00	0.00	70	<0.5	<0.5	<0.5	<0.5	29	<50	-	-	-	-	-	-	-	-	-			
C-1	03/04/2009	38.41	7.65	30.76	0.00	0.00	1,400	200	3	0.90	2	240	<50	-	-	-	-	-	-	-	-	-			
C-1	06/09/2009 ⁷	38.41	10.52	27.81	0.00	0.00	280	2	<0.5	<0.5	<0.5	230	<50	-	-	-	-	-	-	-	-	-			
C-1	09/30/2009 ⁷	38.41	13.84	24.57	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	78	<50	-	-	-	-	-	-	-	-	-			
C-1	03/22/2010 ⁷	38.41	8.34	30.07	0.00	0.00	1,000	290	4	2	2	99	<50	-	-	-	-	-	-	-	-	-			
C-1	09/16/2010	38.41	12.70	25.71	0.00	0.00	170	<0.5	<0.5	<0.5	<0.5	20	<50	-	-	-	-	-	-	-	-	-			
C-1	03/08/2011	38.41	8.00	30.41	0.00	0.00	2,000	280	5	2	3	74	<50	-	-	-	-	-	-	-	-	-			
C-1	09/28/2011	38.41	12.13	26.28	0.00	0.00	52 J	<0.5	<0.5	<0.5	<0.5	6	<50	-	-	-	-	-	-	-	-	-			
C-1	03/08/2012	38.41	13.02	25.39	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	62	<50	-	-	-	-	-	-	-	-	-			
C-1	09/20/2012	38.41	13.12	25.29	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	<50	-	-	-	-	-	-	-	-	-			
C-1	03/20/2013	38.41	9.74	28.67	0.00	0.00	210	18	0.6 J	<0.5	<0.5	37	<50	-	-	-	-	-	-	-	-	-			
C-1	09/18/2013	38.41	12.50	25.91	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	4	<50	-	-	-	-	-	-	-	-	-			

TABLE 3

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 90076
 4265 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate				
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L			
C-1	03/13/2014	38.41	12.13	26.28	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	12	<50	-	-	-	-	-	-	-	-	-			
C-1	09/25/2014	38.41	14.17	24.24	0.00	0.00	430	<0.5	<0.5	<0.5	<0.5	9	<50	-	-	-	-	-	-	-	-	-			
C-1	03/10/2015	40.69	13.29	27.40	0.00	0.00	650	28	0.6 J	<0.5	<0.5	27	<50	-	-	-	-	-	-	-	-	-			
C-2	04/28/1989	35.18	26.44	8.74	0.00	0.00	120,000	30,000	22,000	3,000	17,000	-	-	-	-	-	-	-	-	-	-	-			
C-2	08/08/1989	35.18	29.90	5.29	0.01	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-2	12/21/1989	35.18	29.32	5.86	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-2	08/27/1990	35.18	29.55	5.77	0.17	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-2	11/04/1990	35.18	30.47	4.71	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-2	06/18/1991	35.18	28.33	6.90	0.06	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-2	09/19/1991	35.18	29.39	5.84	0.06	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-2	12/20/1991	35.18	29.23	5.95	0.00	0.00	170,000	20,000	10,000	2,800	19,000	-	-	-	-	-	-	-	-	-	-	-			
C-2	03/18/1992	35.18	13.60	21.58	0.09	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-2	07/14/1992	35.18	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-2	10/08/1992	35.18	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-2	01/08/1993	35.18	24.20	10.98	Sheen	0.00	79,000	14,000	7,200	3,500	16,000	-	-	-	-	-	-	-	-	-	-	-			
C-2	04/14/1993	35.18	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-2	07/16/1993	35.18	30.15	5.03	0.00	0.00	2,200	440	73	24	350	-	-	-	-	-	-	-	-	-	-	-			
C-2	09/21/1993	37.47	26.29	11.18	0.00	0.00	11,000	2,300	300	270	910	-	-	-	-	-	-	-	-	-	-	-			
C-2	01/28/1994	37.47	23.96	13.51	0.00	0.00	49,000	11,000	3,900	1,600	12,000	-	-	-	-	-	-	-	-	-	-	-			
C-2	03/17/1994	37.47	25.99	11.48	0.00	0.00	16,000	3,300	1,000	220	3,500	-	-	-	-	-	-	-	-	-	-	-			
C-2	06/16/1994	37.47	23.92	13.55	0.00	0.00	20,000	4,800	1,500	520	4,300	-	-	-	-	-	-	-	-	-	-	-			

TABLE 3

**GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCs					ADDITIONAL VOCs	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate				
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L			
C-2	09/22/1994	37.47	25.62	11.85	0.00	0.00	35,000	5,600	850	1,700	7,300	-	-	-	-	-	-	-	-	-	-	-			
C-2	12/15/1994	37.47	21.16	16.31	0.00	0.00	96,000	9,000	3,500	3,300	13,000	-	-	-	-	-	-	-	-	-	-	-			
C-2	03/30/1995	37.47	17.18	20.29	0.00	0.00	100,000	9,400	3,700	3,900	14,000	-	-	-	-	-	-	-	-	-	-	-			
C-2	06/20/1995	37.47	18.95	18.52	0.00	0.00	93,000	6,400	1,900	2,900	11,000	-	-	-	-	-	-	-	-	-	-	-			
C-2	09/20/1995	37.47	18.20	19.27	0.00	0.00	58,000	6,600	330	1,600	5,500	-	-	-	-	-	-	-	-	-	-	-			
C-2	12/06/1995	37.47	24.76	12.71	0.00	0.00	40,000	5,000	86	1,800	3,700	<500	-	-	-	-	-	-	-	-	-	-			
C-2	03/21/1996	37.47	16.17	21.30	0.00	0.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-2	06/21/1996	37.47	18.15	19.34	0.02	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-2	09/06/1996	37.47	21.14	16.36	0.04	0.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-2	12/19/1996	37.47	17.55	19.94	0.03	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-2	03/17/1997	37.47	18.59	18.88	0.00	0.00	58,000	4,800	1,200	1,800	6,300	3,400	-	-	-	-	-	-	-	-	-	-			
C-2	06/11/1997	37.47	21.30	16.17	0.00	0.00	40,000	5,500	720	1,400	4,100	3,100	-	-	-	-	-	-	-	-	-	-			
C-2	09/17/1997	37.47	23.14	14.33	0.00	0.00	30,000	4,800	220	1,200	1,800	3,200	-	1.3	-	150	-	560	4.7	<1.0	<1.0				
C-2	12/11/1997	37.47	17.21	20.26	0.00	0.00	76,000	6,100	1,300	2,200	8,000	3,800	-	-	-	-	-	-	-	-	-	-			
C-2	03/12/1998	37.47	14.17	23.30	0.00	0.00	45,000	6,000	1,400	1,800	5,900	2,700	-	1.1	1.1	176	174	420	3.5	<1.0	<1.0				
C-2	06/23/1998 ³	37.47	14.82	22.65	0.00	0.00	1,100,000	6,800	5,100	13,000	38,000	<1,000	-	-	-	-	-	-	-	-	-	-			
C-2	09/01/1998	37.47	21.78	15.69	0.00	0.00	9,700	300	8.2	6.2	250	3,700	-	-	-	-	-	-	-	-	-	-			
C-2	12/30/1998	37.47	21.86	15.61	0.00	0.00	110,000	4,790	1,300	841	5,570	2,420	-	-	-	-	-	-	-	-	-	-			
C-2	03/31/1999	37.47	16.90	20.57	0.00	0.00	48,000	4,800	1,110	1,520	5,450	2,160	-	1.5	1.6	151	157	456	2,100 ¹⁴	0.118	19.7				
C-2	06/14/1999 ¹	37.47	20.15	17.32	Sheen	0.00	56,400	5,380	671	1,300	3,960	2,480/2,630 ²	-	-	-	-	-	-	-	-	-	-			
C-2	09/30/1999	37.47	22.97	14.50	0.00	0.00	22,100	623	<100	529	1,250	2,430	-	-	-	-	-	-	-	-	-	-			
C-2	12/22/1999	37.47	21.00	16.47	0.00	0.00	10,200	1,750	102	222	963	1,980	-	0.6	0.65	-90	-84	782	1.0	5.34	5.38				

TABLE 3

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 90076
 4265 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous Iron	Nitrate (as N)	Sulfate				
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L		
C-2	03/09/2000	37.47	12.20	25.27	0.00	0.00	26,000	4,800	930	1,200	4,400	1,800	-	1.0	1.6	-68	-70	450	0.31	<0.1	0.39				
C-2	06/23/2000 ³	37.47	18.94	18.53	0.00	0.00	29,000 ⁴	3,400	360	440	2,500	2,800	-	-	-	-	-	-	-	-	-				
C-2	09/05/2000 ³	37.47	20.46	17.01	0.00	0.00	35,000 ⁴	3,800	54	980	750	5,200	-	1.31	1.85	65	44	690	0.34	<1.0	<1.0				
C-2	12/04/2000	37.47	20.93	16.54	0.00	0.00	16,000 ⁴	2,500	120	360	1,100	2,100	-	-	-	-	-	-	-	-	-				
C-2	03/08/2001 ³	37.47	16.94	20.53	0.00	0.00	42,300	3,930	828	2,010	5,180	1,660	-	-	-	-	-	-	-	-	-				
C-2	06/07/2001 ³	37.47	19.34	18.13	0.00	0.00	15,000 ⁴	3,400	150	700	1,300	1,900	-	-	-	-	-	-	-	-	-				
C-2	09/13/2001 ³	37.47	22.19	15.28	0.00	0.00	9,600	1,200	<50	120	160	2,200	-	-	-	-	-	-	-	-	-				
C-2	12/13/2001 ³	37.47	17.60	19.87	0.00	0.00	33,000	3,200	430	1,300	3,700	1,400	-	-	-	-	-	-	-	-	-				
C-2	03/08/2002 ³	37.47	14.29	23.18	0.00	0.00	26,000	2,900	390	1,200	2,800	1,100	-	-	-	-	-	-	-	-	-				
C-2	06/19/2002 ³	37.47	19.11	18.36	0.00	0.00	19,000	3,000	100	720	1,100	1,400	-	-	-	-	-	-	-	-	-				
C-2	09/11/2002 ³	37.47	20.68	16.79	0.00	0.00	10,000	1,400	23	120	78	1,800	-	-	-	-	-	-	-	-	-				
C-2	12/11/2002 ³	37.47	22.11	15.36	0.00	0.00	8,700	1,300	24	100	250	1,900	-	-	-	-	-	-	-	-	-				
C-2	03/11/2003 ³	37.47	14.61	22.86	0.00	0.00	23,000	2,000	280	1,100	2,100	990	-	-	-	-	-	-	-	-	-				
C-2	06/10/2003 ^{3,7}	37.47	17.11	20.36	0.00	0.00	14,000	1,300	91	450	720	480	-	-	-	-	-	-	-	-	-				
C-2	09/09/2003 ^{3,7}	37.47	21.14	16.33	0.00	0.00	6,800	1,100	9	83	47	1,300	<200	-	-	-	-	-	-	-	-				
C-2	12/09/2003 ⁷	37.47	19.20	18.27	0.00	0.00	22,000	1,100	120	570	1,000	460	<250	-	-	-	-	-	-	-	-				
C-2	03/09/2004 ⁷	37.47	11.82	25.65	0.00	0.00	24,000	1,800	420	820	2,100	480	<250	-	-	-	-	-	-	-	-				
C-2	06/08/2004 ⁷	37.47	16.42	21.05	0.00	0.00	1,200	180	5	1	10	170	<50	-	-	-	-	-	-	-	-				
C-2	09/08/2004 ⁷	37.47	13.16	24.32 ^{**}	0.01	0.00	16,000	340	13	290	200	170	<250	-	-	-	-	-	-	-	-				
C-2	12/06/2004 ⁷	37.47	14.12	23.36 ^{**}	0.01	0.00	13,000	730	130	340	570	280	<100	-	-	-	-	-	-	-	-				
C-2	03/07/2005 ⁷	37.47	10.57	26.91 ^{**}	0.01	0.00	18,000	2,200	470	770	2,000	420	<250	-	-	-	-	-	-	-	-				
C-2	06/06/2005 ⁷	37.47	12.69	24.78	0.00	0.00	9,800	940	79	300	490	200	<100	-	-	-	-	-	-	-	-				

TABLE 3

**GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous Iron	Nitrate (as N)	Sulfate				
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L		
C-2	09/06/2005 ⁷	37.47	14.78	22.69	0.00	0.00	9,300	380	8	89	76	170	<100	-	-	-	-	-	-	-	-	-	-		
C-2	12/05/2005 ⁷	37.47	14.22	23.25	0.00	0.00	8,300	190	8	68	67	56	<50	-	-	-	-	-	-	-	-	-	-		
C-2	03/06/2006 ⁷	37.47	9.74	27.73	0.00	0.00	1,900	41	5	13	43	6	<50	-	-	-	-	-	-	-	-	-	-		
C-2	06/05/2006 ⁷	37.47	9.75	27.72	0.00	0.00	8,800	680	99	200	460	170	<50	-	-	-	-	-	-	-	-	-	-		
C-2	09/05/2006 ⁷	37.47	11.96	25.51	0.00	0.00	8,200	1,200	24	170	65	65	<100	-	-	-	-	-	-	-	-	-	-		
C-2	12/04/2006 ⁷	37.47	12.43	25.04	0.00	0.00	9,500	1,800	38	140	94	94	<100	-	-	-	-	-	-	-	-	-	-		
C-2	03/05/2007 ⁷	37.47	10.61	26.86	0.00	0.00	15,000 ¹¹	1,900 ¹¹	300 ¹¹	570 ¹¹	1,300 ¹¹	250 ¹¹	<250 ¹¹	-	-	-	-	-	-	-	-	-	-		
C-2	06/04/2007 ⁷	37.47	10.34	27.13	0.00	0.00	6,200	410	16	76	100	110	<50	-	-	-	-	-	-	-	-	-	-		
C-2	09/07/2007 ⁷	37.47	11.65	25.82	0.00	0.00	6,400	240	6	71	82	67	<50	-	-	-	-	-	-	-	-	-	-		
C-2	12/06/2007 ⁷	37.47	18.40	19.07	0.00	0.00	7,300	200	12	47	79	56	<50	-	-	-	-	-	-	-	-	-	-		
C-2	03/06/2008 ⁷	37.47	9.47	28.00	0.00	0.00	18,000	2,400	340	850	1,600	260	<100	-	-	-	-	-	-	-	-	-	-		
C-2	06/05/2008 ⁷	37.47	11.07	26.40	0.00	0.00	5,800	530	18	47	80	100	<250	-	-	-	-	-	-	-	-	-	-		
C-2	09/03/2008 ⁷	37.47	13.20	24.27	0.00	0.00	5,600	340	10	81	48	83	<50	-	-	-	-	-	-	-	-	-	-		
C-2	12/03/2008 ⁷	37.47	14.61	22.86	0.00	0.00	9,600	1,100	58	250	210	220	<130	-	-	-	-	-	-	-	-	-	-		
C-2	03/04/2009	37.47	11.69	25.78	0.00	0.00	9,200	640	94	250	670	73	<130	-	-	-	-	-	-	-	-	-	-		
C-2	06/09/2009 ⁷	37.47	11.27	20.20	0.00	0.00	9,100	590	20	77	45	110	<50	-	-	-	-	-	-	-	-	-	-		
C-2	09/30/2009 ⁷	37.47	16.54	20.93	0.00	0.00	7,800	290	9	11	24	200	<50	-	-	-	-	-	-	-	-	-	-		
C-2	03/22/2010 ⁷	37.47	9.63	27.84	0.00	0.00	14,000	990	120	460	750	120	<130	-	-	-	-	-	-	-	-	-	-		
C-2	09/16/2010	37.47	12.90	24.57	0.00	0.00	7,400	170	8	52	35	29	<50	-	-	-	-	-	-	-	-	-	-		
C-2	03/08/2011	37.47	8.12	29.35	0.00	0.00	6,600	830	58	280	330	75	<100	-	-	-	-	-	-	-	-	-	-		
C-2	09/28/2011	37.47	14.86	22.61	0.00	0.00	7,200	320	10	83	52	50	<250	-	-	-	-	-	-	-	-	-	-		
C-2	03/08/2012	37.47	12.22	25.25	0.00	0.00	7,300	570	44	180	260	40	<500	-	-	-	-	-	-	-	-	-	-		

TABLE 3

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 90076
 4265 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-2	09/20/2012	37.47	13.06	24.41	0.00	0.00	6,800	260	6	36	170	69	<50	-	-	-	-	-	-	-	-	-
C-2	03/20/2013	37.47	12.71	24.76	0.00	0.00	8,100	500	17	61	63	48	<130	-	-	-	-	-	-	-	-	-
C-2	09/18/2013	37.47	14.90	22.57	0.00	0.00	15,000	230	13	150	290	42	<50	-	-	-	-	-	-	-	-	-
C-2	03/13/2014	37.47	12.45	25.02	0.00	0.00	13,000	640	41	230	180	45	<50	-	-	-	-	-	-	-	-	-
C-2	9/25/2014	37.47	17.95	19.52	0.00	0.00	4,800	69	2	3	17	47	<50	-	-	-	-	-	-	-	-	-
C-2	03/10/2015	40.05	17.04	23.01	0.00	0.00	14,000	480	22	120	120	40	<50	-	-	-	-	-	-	-	-	-
C-3	04/28/1989	35.28	28.00	7.28	0.00	0.00	<500	1.7	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-3	08/08/1989	35.28	30.00	5.28	0.00	0.00	<500	1.0	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-3	12/21/1989	35.28	30.53	4.75	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-3	08/27/1990	35.28	29.68	5.60	0.00	0.00	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-	-	-	-
C-3	11/04/1990	35.30	30.36	4.94	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-3	06/18/1991	35.30	28.46	6.84	0.00	0.00	52	1.1	<0.5	<0.5	1.2	-	-	-	-	-	-	-	-	-	-	-
C-3	09/19/1991	35.30	29.33	5.97	0.00	0.00	73	1.2	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-3	12/20/1991	35.30	29.77	5.53	0.00	0.00	<50	0.7	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-3	03/18/1992	35.30	25.75	9.55	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-3	07/14/1992	35.30	27.87	7.43	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-3	10/08/1992	35.30	28.55	6.75	0.00	0.00	<50	<0.5	<0.5	<0.5	0.5	-	-	-	-	-	-	-	-	-	-	-
C-3	01/08/1993	35.30	25.85	9.45	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-3	04/14/1993	35.30	23.96	11.34	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-3	07/16/1993	35.30	25.64	9.66	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-3	09/21/1993	38.37	26.22	12.15	0.00	0.00	<50	0.7	<0.5	<0.5	<0.8	-	-	-	-	-	-	-	-	-	-	-

TABLE 3

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 90076
 4265 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate				
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L			
C-3	01/28/1994	38.37	25.66	12.71	0.00	0.00	<50	2.0	<0.5	<0.5	1.0	-	-	-	-	-	-	-	-	-	-	-			
C-3	03/17/1994	38.37	24.95	13.42	0.00	0.00	<50	2.8	<0.5	0.6	1.5	-	-	-	-	-	-	-	-	-	-	-			
C-3	06/16/1994	38.37	24.31	14.06	0.00	0.00	<50	1.4	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-			
C-3	09/22/1994	38.37	25.04	13.33	0.00	0.00	<50	0.6	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-			
C-3	12/15/1994	38.37	22.22	16.15	0.00	0.00	<50	2.6	1.7	0.82	4.5	-	-	-	-	-	-	-	-	-	-	-			
C-3	03/30/1995	38.37	18.42	19.95	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-			
C-3	06/20/1995	38.37	19.79	18.58	0.00	0.00	110	2.2	<0.5	<0.5	1.2	-	-	-	-	-	-	-	-	-	-	-			
C-3	09/20/1995	38.37	18.95	19.42	0.00	0.00	560	21	80	23	120	-	-	-	-	-	-	-	-	-	-	-			
C-3	12/06/1995	38.37	24.16	14.21	0.00	0.00	<50	0.73	<0.5	<0.5	0.67	<2.5	-	-	-	-	-	-	-	-	-	-			
C-3	03/21/1996	38.37	17.85	20.52	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-			
C-3	06/21/1996	38.37	19.78	18.59	0.00	0.00	57	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-			
C-3	09/06/1996	38.37	21.63	16.74	0.00	0.00	<50	0.9	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-			
C-3	12/19/1996	38.37	22.30	16.07	0.00	0.00	310	36	33	6.5	28	<2.5	-	-	-	-	-	-	-	-	-	-			
C-3	03/17/1997	38.37	18.95	19.42	0.00	0.00	54	1.1	<0.5	<0.5	0.76	<2.5	-	-	-	-	-	-	-	-	-	-			
C-3	06/11/1997	38.37	21.15	17.22	0.00	0.00	120	1.1	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-			
C-3	09/17/1997	38.37	22.41	15.96	0.00	0.00	240	19	19	6.6	40	13	-	2.1	0.8	59	67	340	0.012	100	33				
C-3	12/11/1997	38.37	22.26	16.11	0.00	0.00	<50	1.8	<0.5	<0.5	0.5	<2.5	-	-	-	-	-	-	-	-	-	-			
C-3	03/12/1998	38.37	18.35	20.02	0.00	0.00	72	6.3	<0.5	0.64	3.1	2.6	-	2.8	2.5	165	163	260	0.14	88	32				
C-3	06/23/1998	38.37	19.04	19.33	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-			
C-3	09/01/1998	38.37	19.97	18.40	0.00	0.00	200	6.8	0.31	0.52	2.0	<2.5	-	-	-	-	-	-	-	-	-	-			
C-3	12/30/1998	38.37	21.31	17.06	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.0	-	-	-	-	-	-	-	-	-	-			
C-3	03/31/1999	38.37	17.77	20.60	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	12.6	-	4.1	3.3	101	89	256	<500 ¹⁴	18.4	72				

TABLE 3

**GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous Iron	Nitrate (as N)	Sulfate				
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L		
C-3	06/14/1999	38.37	18.25	20.12	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-		
C-3	09/30/1999	38.37	21.19	17.18	0.00	0.00	79.2	3.04	0.794	<0.5	1.04	6.17	-	-	-	-	-	-	-	-	-	-	-		
C-3	12/22/1999	38.37	22.32	16.05	0.00	0.00	<50	1.53	1.08	<0.5	0.66	12	-	0.98	1.48	69	107	402	0.013	67.7	37.6	-			
C-3	03/09/2000	38.37	17.10	21.27	0.00	0.00	99	6.9	0.8	0.89	3.8	12	-	3.3	1.6	110	97	390	0.12	60	38	-			
C-3	06/23/2000	38.37	19.15	19.22	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-	-	-	-	-	-		
C-3	09/05/2000	38.37	20.84	17.53	0.00	0.00	52 ⁴	4.3	<0.50	<0.50	0.93	29	-	3.79	2.53	202	203	430	0.011	52	40	-			
C-3	12/04/2000	38.37	21.20	17.17	0.00	0.00	70 ⁴	4.0	<0.50	<0.50	0.71	25	-	-	-	-	-	-	-	-	-	-	-		
C-3	03/08/2001	38.37	17.67	20.70	0.00	0.00	<50.0	0.873	<0.500	<0.500	<0.500	3.24	-	-	-	-	-	-	-	-	-	-	-		
C-3	06/07/2001	38.37	18.90	19.47	0.00	0.00	140 ⁴	16	0.67	1.4	3.8	30	-	-	-	-	-	-	-	-	-	-	-		
C-3	09/13/2001	38.37	21.01	17.36	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-	-	-	-	-	-		
C-3	12/13/2001	38.37	19.80	18.57	0.00	0.00	<50	1.2	<0.50	<0.50	<1.5	15	-	-	-	-	-	-	-	-	-	-	-		
C-3	03/08/2002	38.37	17.78	20.59	0.00	0.00	82	5.4	<0.50	<0.50	<1.5	68	-	-	-	-	-	-	-	-	-	-	-		
C-3	06/19/2002	38.37	18.40	19.97	0.00	0.00	74	2.1	<0.50	<0.50	<1.5	77	-	-	-	-	-	-	-	-	-	-	-		
C-3	09/11/2002	38.37	20.17	18.20	0.00	0.00	110	4.7	<0.50	<0.50	<1.5	76	-	-	-	-	-	-	-	-	-	-	-		
C-3	12/11/2002	38.37	21.75	16.62	0.00	0.00	79	1.5	<0.50	<0.50	<1.5	96	-	-	-	-	-	-	-	-	-	-	-		
C-3	03/11/2003	38.37	19.07	19.30	0.00	0.00	<50	2.1	<0.50	<0.50	<1.5	18	-	-	-	-	-	-	-	-	-	-	-		
C-3	06/10/2003 ⁷	38.37	19.08	19.29	0.00	0.00	86	2	<0.5	<0.5	<0.5	93	-	-	-	-	-	-	-	-	-	-	-		
C-3	09/09/2003 ⁷	38.37	20.70	17.67	0.00	0.00	<50	2	<0.5	<0.5	<0.5	160	<50	-	-	-	-	-	-	-	-	-	-		
C-3	12/09/2003 ⁷	38.37	21.05	17.32	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.9	<50	-	-	-	-	-	-	-	-	-	-		
C-3	03/09/2004 ⁷	38.37	16.25	22.12	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-	-		
C-3	06/08/2004 ⁷	38.37	18.50	19.87	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-	-		
C-3	09/08/2004 ⁷	38.37	20.01	18.36	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	22	<50	-	-	-	-	-	-	-	-	-	-		

TABLE 3

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 90076
 4265 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCs					ADDITIONAL VOCs	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous Iron	Nitrate (as N)	Sulfate	
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-3	12/06/2004 ⁷	38.37	19.30	19.07	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	03/07/2005 ⁷	38.37	18.02	20.35	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	06/06/2005 ⁷	38.37	19.08	19.29	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	09/06/2005 ⁷	38.37	18.15	20.22	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	12/05/2005 ⁷	38.37	17.85	20.52	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	03/06/2006 ⁷	38.37	17.93	20.44	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	06/05/2006 ⁷	38.37	15.35	23.02	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	65	<50	-	-	-	-	-	-	-	-	-
C-3	09/05/2006 ⁷	38.37	18.42	19.95	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	12/04/2006 ⁷	38.37	18.29	20.08	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	03/05/2007 ⁷	38.37	14.74	23.63	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	06/04/2007 ⁷	38.37	15.68	22.69	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	09/07/2007 ⁷	38.37	18.51	19.86	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	12/06/2007 ⁷	38.37	19.41	18.96	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	03/06/2008 ⁷	38.37	15.95	22.42	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	<50	-	-	-	-	-	-	-	-	-
C-3	06/05/2008 ⁷	38.37	17.48	20.89	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.6	<50	-	-	-	-	-	-	-	-	-
C-3	09/03/2008 ⁷	38.37	18.98	19.39	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	12/03/2008 ⁷	38.37	20.18	18.19	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	03/04/2009	38.37	16.52	21.85	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	<50	-	-	-	-	-	-	-	-	-
C-3	06/09/2009 ⁷	38.37	17.62	26.82	0.00	0.00	140	<0.5	<0.5	<0.5	<0.5	240	<50	-	-	-	-	-	-	-	-	-
C-3	09/30/2009 ⁷	38.37	19.83	18.54	0.00	0.00	120	<0.5	<0.5	<0.5	<0.5	130	<50	-	-	-	-	-	-	-	-	-
C-3	03/22/2010 ⁷	38.37	16.84	21.53	0.00	0.00	<50	0.6 J	<0.5	<0.5	<0.5	4	<50	-	-	-	-	-	-	-	-	-
C-3	09/16/2010	38.37	19.92	18.45	0.00	0.00	80 J	<0.5	<0.5	<0.5	<0.5	390	<50	-	-	-	-	-	-	-	-	-

TABLE 3

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 90076
 4265 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCs					ADDITIONAL VOCs	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate				
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L			
C-3	03/08/2011	38.37	16.10	22.27	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-			
C-3	09/28/2011	38.37	18.76	19.61	0.00	0.00	100	0.8 J	<0.5	<0.5	0.5 J	300	<50	-	-	-	-	-	-	-	-	-			
C-3	03/08/2012	38.37	19.24	19.13	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	170	<50	-	-	-	-	-	-	-	-	-			
C-3	09/20/2012	38.37	20.17	18.20	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-			
C-3	03/20/2013	38.37	19.17	19.20	0.00	0.00	74 J	<0.5	<0.5	<0.5	<0.5	400	<50	-	-	-	-	-	-	-	-	-			
C-3	09/18/2013	38.37	19.90	18.47	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-			
C-3	03/13/2014	38.37	19.00	19.37	0.00	0.00	87 J	<0.5	<0.5	<0.5	<0.5	140	<50	-	-	-	-	-	-	-	-	-			
C-3	9/25/2014	38.37	21.72	16.65	0.00	0.00	89 J	<0.5	<0.5	<0.5	<0.5	360	<50	-	-	-	-	-	-	-	-	-			
C-3	03/10/2015	40.62	21.16	19.46	0.00	0.00	76 J	<0.5	<0.5	<0.5	<0.5	54	<50	-	-	-	-	-	-	-	-	-			
C-4	01/12/1989	33.45	29.49	3.96	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-4	04/12/1989	33.45	27.44	6.01	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-4	04/28/1989	33.45	29.49	3.96	0.00	0.00	20,000	6,300	550	230	1,500	-	-	-	-	-	-	-	-	-	-	-			
C-4	08/08/1989	33.45	29.55	3.90	0.00	0.00	8,000	7,500	340	88	1,000	-	-	-	-	-	-	-	-	-	-	-			
C-4	12/21/1989	33.45	30.02	3.43	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-4	08/27/1990	33.48	29.02	4.46	0.00	0.00	26,000	10,000	280	410	1,400	-	-	-	-	-	-	-	-	-	-	-			
C-4	11/04/1990	33.48	29.81	3.67	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-4	06/18/1991	33.48	27.45	6.03	0.00	0.00	34,000	14,000	410	450	1,300	-	-	-	-	-	-	-	-	-	-	-			
C-4	09/19/1991	33.48	28.65	4.83	0.00	0.00	16,000	7,400	90	110	460	-	-	-	-	-	-	-	-	-	-	-			
C-4	12/20/1991	33.48	28.84	4.64	0.00	0.00	24,000	12,000	120	260	740	-	-	-	-	-	-	-	-	-	-	-			
C-4	03/18/1992	33.48	24.43	11.05	0.00	0.00	48,000	6,000	1,300	1,300	2,400	-	-	-	-	-	-	-	-	-	-	-			
C-4	07/14/1992	33.48	26.89	6.59	0.00	0.00	40,000	14,000	920	550	2,400	-	-	-	-	-	-	-	-	-	-	-			

**GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS						PRIMARY VOCs					ADDITIONAL VOCs		FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate						
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L				
C-4	10/08/1992	33.48	27.79	5.69	0.00	0.00	29,000	13,000	190	110	1,400	-	-	-	-	-	-	-	-	-	-	-	-				
C-4	01/08/1993	33.48	23.50	9.98	0.00	0.00	25,000	7,000	630	860	1,800	-	-	-	-	-	-	-	-	-	-	-	-				
C-4	04/14/1993	33.48	21.13	12.35	0.00	0.00	27,000	6,300	1,000	900	1,400	-	-	-	-	-	-	-	-	-	-	-	-				
C-4	07/16/1993	33.48	23.96	9.52	0.00	0.00	28,000	7,800	1,100	830	2,100	-	-	-	-	-	-	-	-	-	-	-	-				
C-4	09/21/1993	36.49	25.51	10.98	0.00	0.00	30,000	9,600	130	390	1,300	-	-	-	-	-	-	-	-	-	-	-	-				
C-4	01/28/1994	36.49	23.31	13.18	0.00	0.00	18,000	7,800	440	260	1,200	-	-	-	-	-	-	-	-	-	-	-	-				
C-4	03/17/1994	36.49	21.35	15.14	0.00	0.00	32,000	7,800	820	820	1,800	-	-	-	-	-	-	-	-	-	-	-	-				
C-4	06/16/1994	36.49	22.50	13.99	0.00	0.00	25,000	7,600	710	600	1,800	-	-	-	-	-	-	-	-	-	-	-	-				
C-4	09/22/1994	36.49	23.93	12.56	0.00	0.00	25,000	7,800	140	600	1,100	-	-	-	-	-	-	-	-	-	-	-	-				
C-4	12/15/1994	36.49	19.02	17.47	0.00	0.00	38,000	7,600	460	1,200	2,000	-	-	-	-	-	-	-	-	-	-	-	-				
C-4	03/30/1995	36.49	14.86	21.63	0.00	0.00	41,000	8,700	1,600	1,800	3,000	-	-	-	-	-	-	-	-	-	-	-	-				
C-4	06/20/1995	36.49	16.90	19.59	0.00	0.00	29,000	6,000	890	960	1,800	-	-	-	-	-	-	-	-	-	-	-	-				
C-4	09/20/1995	36.49	16.20	20.29	0.00	0.00	12,000	6,900	510	290	1,300	-	-	-	-	-	-	-	-	-	-	-	-				
C-4	12/06/1995	36.49	23.12	13.37	0.00	0.00	13,000	3,900	42	30	250	<250	-	-	-	-	-	-	-	-	-	-	-				
C-4	03/21/1996	36.49	14.10	22.39	0.00	0.00	39,000	4,800	640	1,000	1,800	<1,000	-	-	-	-	-	-	-	-	-	-	-				
C-4	06/21/1996	36.49	16.95	19.54	0.00	0.00	26,000	4,400	640	960	1,800	2,000	-	-	-	-	-	-	-	-	-	-	-				
C-4	09/06/1996	36.49	20.13	16.36	0.00	0.00	23,000	500	200	230	1,000	3,100	-	-	-	-	-	-	-	-	-	-	-				
C-4	12/19/1996	36.49	16.92	19.57	0.00	0.00	23,000	4,900	320	1,100	2,000	<250	-	-	-	-	-	-	-	-	-	-	-				
C-4	03/17/1997	36.49	17.40	19.09	0.00	0.00	30,000	5,800	700	1,400	2,200	1,700	-	-	-	-	-	-	-	-	-	-	-				
C-4	06/11/1997	36.49	18.34	18.15	0.00	0.00	29,000	4,400	520	790	1,800	2,000	-	-	-	-	-	-	-	-	-	-	-				
C-4	09/17/1997	36.49	21.46	15.03	0.00	0.00	17,000	4,300	140	940	1,100	4,600	-	0.6	0.2	102	107	540	5.9	<1.0	<1.0	<1.0					
C-4	12/11/1997	36.49	16.65	19.84	0.00	0.00	12,000	2,500	130	300	1,000	1,400	-	-	-	-	-	-	-	-	-	-	-				

TABLE 3

**GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate				
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L		
C-4	03/12/1998	36.49	16.59	19.90	0.00	0.00	46,000	11,000	1,500	2,300	5,000	3,400	-	1.5	2.6	173	175	550	1.3	<1.0	2.7				
C-4	06/23/1998 ³	36.49	17.02	19.47	0.00	0.00	27,000	1,600	160	180	690	100	-	-	-	-	-	-	-	-	-				
C-4	09/01/1998	36.49	21.45	15.04	0.00	0.00	520	14	2.3	<0.5	4.8	61	-	-	-	-	-	-	-	-	-				
C-4	12/30/1998	36.49	21.42	15.07	0.00	0.00	122	14.1	1.86	<1.0	3.61	349	-	-	-	-	-	-	-	-	-				
C-4	03/31/1999	36.49	15.20	21.29	0.00	0.00	20,300	4,450	443	1,000	2,130	1,320	-	1.8	2.2	170	176	492	1,560 ¹⁴	0.191	<1.0				
C-4	06/14/1999 ¹	36.49	21.80	14.69	0.00	0.00	1,820	183	7.14	36.7	56.5	280 ² /291	-	-	-	-	-	-	-	-	-				
C-4	09/30/1999	36.49	19.81	16.68	0.00	0.00	1,030	11.6	2.14	29.2	68.7	91.5	-	-	-	-	-	-	-	-	-				
C-4	12/22/1999	36.49	20.27	16.22	0.00	0.00	217	4.45	0.765	2.82	8.21	70.2	-	6.8	5.68	-25	14	739	0.87	1.85	39.6				
C-4	03/09/2000	36.49	13.36	23.13	0.00	0.00	8,300	2,600	270	510	1,400	650	-	1.1	1.9	-13	-39	530	<0.01	<0.1	4.5				
C-4	06/23/2000 ³	36.49	19.40	17.09	0.00	0.00	55 ⁴	1.2	<0.50	<0.50	<0.50	250	-	-	-	-	-	-	-	-	-				
C-4	09/05/2000 ³	36.49	21.43	15.06	0.00	0.00	110 ⁴	5.4	<0.50	<0.50	1.1	52	-	2.22	2.02	105	138	530	<0.010	<1.0	29				
C-4	12/04/2000	36.49	21.78	14.71	0.00	0.00	<50	<0.50	0.56	<0.50	1.1	22	-	-	-	-	-	-	-	-	-				
C-4	03/08/2001 ³	36.49	16.62	19.87	0.00	0.00	9,080	2,260	229	395	1,060	718	-	-	-	-	-	-	-	-	-				
C-4	06/07/2001 ³	36.49	19.60	16.89	0.00	0.00	800 ⁴	75	4.3	22	33	340	-	-	-	-	-	-	-	-	-				
C-4	09/13/2001 ³	36.49	21.71	14.78	0.00	0.00	<50	0.68	<0.50	<0.50	<0.50	18	-	-	-	-	-	-	-	-	-				
C-4	12/13/2001 ³	36.49	17.95	18.54	0.00	0.00	5,800	1,400	43	21	470	540	-	-	-	-	-	-	-	-	-				
C-4	03/08/2002 ³	36.49	16.78	19.71	0.00	0.00	7,000	1,300	67	280	390	610	-	-	-	-	-	-	-	-	-				
C-4	06/19/2002 ³	36.49	18.80	17.69	0.00	0.00	3,100	130	6.5	29	55	250	-	-	-	-	-	-	-	-	-				
C-4	09/11/2002 ³	36.49	20.30	16.19	0.00	0.00	820	6.2	1.0	2.2	2.5	26	-	-	-	-	-	-	-	-	-				
C-4	12/11/2002 ³	36.49	21.97	14.52	0.00	0.00	<50	0.74	<0.50	<0.50	<1.5	9.3	-	-	-	-	-	-	-	-	-				
C-4	03/11/2003 ³	36.49	18.39	18.10	0.00	0.00	5,500	490	12	100	210	330	-	-	-	-	-	-	-	-	-				
C-4	06/10/2003 ^{3,7}	36.49	18.75	17.74	0.00	0.00	3,300	370	15	120	200	200	-	-	-	-	-	-	-	-	-				

TABLE 3

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 90076
 4265 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous Iron	Nitrate (as N)	Sulfate				
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L		
C-4	09/09/2003 ^{3,7}	36.49	20.79	15.70	0.00	0.00	690	8	0.8	5	5	30	<50	-	-	-	-	-	-	-	-	-	-		
C-4	12/09/2003 ^{7,9}	36.49	20.30	16.19	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	57	<50	-	-	-	-	-	-	-	-	-	-		
C-4	03/09/2004 ⁷	36.49	13.46	23.03	0.00	0.00	15,000	1,600	73	520	460	230	<250	-	-	-	-	-	-	-	-	-	-		
C-4	06/08/2004 ⁷	36.49	17.02	19.47	0.00	0.00	550	120	2	0.7	5	93	<50	-	-	-	-	-	-	-	-	-	-		
C-4	09/08/2004 ⁷	36.49	17.58	18.91	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	37	<50	-	-	-	-	-	-	-	-	-	-		
C-4	12/06/2004 ⁷	36.49	16.78	19.71	0.00	0.00	7,000	1,600	39	230	260	180	<50	-	-	-	-	-	-	-	-	-	-		
C-4	03/07/2005 ⁷	36.49	12.16	24.33	0.00	0.00	9,500	2,100	67	330	160	170	<250	-	-	-	-	-	-	-	-	-	-		
C-4	06/06/2005 ⁷	36.49	13.63	22.86	0.00	0.00	7,700	2,000	39	280	130	130	<250	-	-	-	-	-	-	-	-	-	-		
C-4	09/06/2005 ⁷	36.49	15.70	20.79	0.00	0.00	3,600	830	10	79	21	110	<50	-	-	-	-	-	-	-	-	-	-		
C-4	12/05/2005 ⁷	36.49	16.45	20.04	0.00	0.00	4,400	1,000	11	80	23	120	<250	-	-	-	-	-	-	-	-	-	-		
C-4	03/06/2006 ⁷	36.49	12.95	23.54	0.00	0.00	10,000	2,400	92	240	170	130	<500	-	-	-	-	-	-	-	-	-	-		
C-4	06/05/2006 ⁷	36.49	11.02	25.47	0.00	0.00	16,000	3,300	160	350	370	150	<500	-	-	-	-	-	-	-	-	-	-		
C-4	09/05/2006 ⁷	36.49	12.60	23.89	0.00	0.00	9,600	1,400	29	200	78	81	<100	-	-	-	-	-	-	-	-	-	-		
C-4	12/04/2006 ⁷	36.49	13.20	23.29	0.00	0.00	13,000	1,800	40	150	99	100	<250	-	-	-	-	-	-	-	-	-	-		
C-4	03/05/2007 ⁷	36.49	10.65	25.84	0.00	0.00	11,000	2,800	58	230	270	100	<500	-	-	-	-	-	-	-	-	-	-		
C-4	06/04/2007 ⁷	36.49	11.54	24.95	0.00	0.00	13,000	3,500	87	300	230	94	<250	-	-	-	-	-	-	-	-	-	-		
C-4	09/07/2007 ⁷	36.49	12.50	23.99	0.00	0.00	5,100	1,000	24	70	43	39	<130	-	-	-	-	-	-	-	-	-	-		
C-4	12/06/2007 ⁷	36.49	12.42	24.07	0.00	0.00	9,900	2,000	65	210	210	74	<130	-	-	-	-	-	-	-	-	-	-		
C-4	03/06/2008 ⁷	36.49	10.14	26.35	0.00	0.00	17,000	3,500	210	510	510	77	<250	-	-	-	-	-	-	-	-	-	-		
C-4	06/05/2008 ⁷	36.49	11.58	24.91	0.00	0.00	12,000	3,500	120	300	240	76	<250	-	-	-	-	-	-	-	-	-	-		
C-4	09/03/2008 ⁷	36.49	12.47	24.02	0.00	0.00	13,000	3,400	72	210	130	73	<250	-	-	-	-	-	-	-	-	-	-		
C-4	12/03/2008 ⁷	36.49	14.08	22.41	0.00	0.00	12,000	2,600	55	200	160	60	<250	-	-	-	-	-	-	-	-	-	-		

**GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS						ADDITIONAL VOCs	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous Iron	Nitrate (as N)	Sulfate	
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-4	03/04/2009	36.49	12.48	24.01	0.00	0.00	14,000	2,500	78	350	340	58	<250	-	-	-	-	-	-	-	-	-
C-4	06/09/2009 ⁷	36.49	11.55	24.94	0.00	0.00	13,000	2,500	69	260	140	55	<100	-	-	-	-	-	-	-	-	-
C-4	09/30/2009 ⁷	36.49	12.25	24.24	0.00	0.00	10,000	1,900	40	140	87	44	<100	-	-	-	-	-	-	-	-	-
C-4	03/22/2010 ⁷	36.49	10.37	26.12	0.00	0.00	13,000	2,500	74	260	260	46	<50	-	-	-	-	-	-	-	-	-
C-4	09/16/2010	36.49	11.75	24.74	0.00	0.00	9,700	1,300	33	160	120	27	<100	-	-	-	-	-	-	-	-	-
C-4	03/08/2011	36.49	9.90	26.59	0.00	0.00	9,200	1,900	42	190	130	24	<250	-	-	-	-	-	-	-	-	-
C-4	09/28/2011	36.49	10.83	25.66	0.00	0.00	8,200	1,300	24	94	65	25	<250	-	-	-	-	-	-	-	-	-
C-4	03/08/2012	36.49	13.74	22.75	0.00	0.00	8,800	1,600	36	130	90	21	<500	-	-	-	-	-	-	-	-	-
C-4	09/20/2012	36.49	12.10	24.39	0.00	0.00	10,000	1,300	34	150	95	17	<500	-	-	-	-	-	-	-	-	-
C-4	03/20/2013	36.49	8.97	27.52	0.00	0.00	6,300	1,300	33	110	60	20	<100	-	-	-	-	-	-	-	-	-
C-4	09/18/2013	36.49	9.73	26.76	0.00	0.00	6,900	740	15	65	57	5	<50	-	-	-	-	-	-	-	-	-
C-4	03/13/2014	36.49	9.97	26.52	0.00	0.00	10,000	1,400	40	150	84	13	<100	-	-	-	-	-	-	-	-	-
C-4	9/25/2014	36.49	12.00	24.49	0.00	0.00	6,400	1,300	19	34	31	18	<250	-	-	-	-	-	-	-	-	-
C-4	03/10/2015	38.69	11.42	27.27	0.00	0.00	8,800	1,400	30	99	50	13 J	<1,000	-	-	-	-	-	-	-	-	-
C-5	08/27/1990	35.50	29.83	5.67	0.00	0.00	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-	-	-	-
C-5	11/14/1990	35.50	30.56	4.94	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	06/18/1991	35.50	28.52	6.98	0.00	0.00	<50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-
C-5	09/19/1991	35.50	29.51	5.99	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-5	12/20/1991	35.50	29.96	5.54	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-5	03/18/1992	35.50	25.92	9.58	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-5	07/14/1992	35.50	28.00	7.50	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-

**GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate				
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L		
C-5	10/08/1992	35.50	28.65	6.85	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
C-5	01/08/1993	35.50	26.02	9.48	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
C-5	04/14/1993	35.50	24.04	11.46	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
C-5	07/16/1993	35.50	25.21	10.29	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
C-5	09/21/1993	38.50	26.36	12.14	0.00	0.00	60	10	8.1	1.9	9.4	-	-	-	-	-	-	-	-	-	-	-	-		
C-5	01/28/1994	38.50	25.90	12.60	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
C-5	03/17/1994	38.50	24.50	14.00	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
C-5	06/16/1994	38.50	24.40	14.10	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
C-5	09/22/1994	38.50	25.16	13.34	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
C-5	12/15/1994	38.50	22.89	15.61	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
C-5	03/30/1995	38.50	18.54	19.96	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
C-5	06/20/1995	38.50	20.13	18.37	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
C-5	09/20/1995	38.50	24.34	14.16	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
C-5	12/06/1995	38.50	24.10	14.40	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-		
C-5	03/21/1996	38.50	18.40	20.10	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-		
C-5	06/06/1996	38.50	21.90	16.60	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-		
C-5	06/21/1996	38.50	20.27	18.23	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	8.7	-	-	-	-	-	-	-	-	-	-	-		
C-5	12/19/1996	38.50	21.15	17.35	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-		
C-5	03/17/1997	38.50	19.84	18.66	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-		
C-5	06/11/1997	38.50	21.60	16.90	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-		
C-5	09/17/1997 ¹²	38.50	27.83	10.67	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
C-5	12/11/1997	38.50	21.00	17.50	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

TABLE 3

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 90076
 4265 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCs					ADDITIONAL VOCs	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous Iron	Nitrate (as N)	Sulfate				
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L			
C-5	03/12/1998	38.50	16.42	22.08	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	1.7	1.9	70	169	210	0.074	69	74				
C-5	06/23/1998	38.50	16.98	21.52	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
C-5	09/01/1998	38.50	20.42	18.08	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
C-5	12/30/1998	38.50	20.79	17.71	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
C-5	03/31/1999	38.50	17.05	21.45	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	15	-	12.8	6.7	92	97	254	<50 ¹⁴	16.7	69.7				
C-5	06/14/1999	38.50	17.48	21.02	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
C-5	09/30/1999	38.50	18.73	19.77	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
C-5	12/22/1999	38.50	22.18	16.32	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
C-5	03/09/2000	38.50	16.98	21.52	0.00	0.00	<50	<0.5	<0.5	<0.5	0.87	3.5	-	2.8	3.6	120	118	230	0.39	60	74				
C-5	06/23/2000 ¹²	38.50	19.65	18.85	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
C-5	09/05/2000	38.50	20.47	18.03	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
C-5	12/04/2000	38.50	21.46	17.04	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
C-5	03/08/2001	38.50	17.53	20.97	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	5.15	-	-	-	-	-	-	-	-	-				
C-5	06/07/2001 ¹²	38.50	19.50	19.00	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
C-5	09/13/2001 ¹²	38.50	21.43	17.07	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
C-5	12/13/2001 ¹²	38.50	19.84	18.66	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
C-5	03/08/2002	38.50	18.18	20.32	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	3.5	-	-	-	-	-	-	-	-	-				
C-5	06/19/2002 ¹²	38.50	18.88	19.62	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
C-5	09/11/2002 ¹²	38.50	20.56	17.94	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
C-5	12/11/2002 ¹²	38.50	21.82	16.68	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
C-5	03/11/2003	38.50	18.96	19.54	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	3.2	-	-	-	-	-	-	-	-	-				
C-5	06/10/2003 ¹²	38.50	18.87	19.63	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				

TABLE 3

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 90076
 4265 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCs					ADDITIONAL VOCs	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate		
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L	
C-5	09/09/2003 ¹²	38.50	20.68	17.82	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	12/09/2003 ¹²	38.50	20.25	18.25	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	03/09/2004 ⁷	38.50	16.68	21.82	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	<50	-	-	-	-	-	-	-	-	-	-
C-5	06/08/2004 ¹²	38.50	19.34	19.16	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	09/08/2004 ¹²	38.50	20.10	18.40	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	12/06/2004 ¹²	38.50	19.75	18.75	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	03/07/2005 ⁷	38.50	18.15	20.35	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-	-
C-5	06/06/2005 ¹²	38.50	19.36	19.14	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	09/06/2005 ¹²	38.50	18.26	20.24	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	12/05/2005 ¹²	38.50	17.91	20.59	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	03/06/2006 ⁷	38.50	18.20	20.30	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-	-
C-5	06/05/2006 ¹²	38.50	15.87	22.63	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	09/05/2006 ¹²	38.50	18.78	19.72	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	12/04/2006 ¹²	38.50	18.71	19.79	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	03/05/2007 ⁷	38.50	16.27	22.23	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	<50	-	-	-	-	-	-	-	-	-	-
C-5	06/04/2007 ¹²	38.50	16.27	22.23	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	09/07/2007 ¹²	38.50	18.91	19.59	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	12/06/2007 ¹²	38.50	19.35	19.15	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	03/06/2008 ⁷	38.50	15.84	22.66	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.7	<50	-	-	-	-	-	-	-	-	-	-
C-5	06/05/2008 ¹²	38.50	17.41	21.09	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	09/03/2008 ¹²	38.50	19.31	19.19	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	12/03/2008 ¹²	38.50	20.41	18.09	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCs					ADDITIONAL VOCs	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous Iron	Nitrate (as N)	Sulfate	
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-5	03/04/2009	38.50	16.41	22.09	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	<50	-	-	-	-	-	-	-	-	-
C-5	06/09/2009 ⁷	38.50	18.33	12.17	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	09/30/2009 ⁷	38.50	19.95	18.55	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	03/22/2010 ⁷	38.50	16.34	22.16	0.00	0.00	<50	1	<0.5	<0.5	<0.5	3	<50	-	-	-	-	-	-	-	-	-
C-5	09/16/2010 ¹²	38.50	19.20	19.30	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	03/08/2011 ¹²	38.50	16.80	21.70	0.00	0.00	110	3	<0.5	2	2	3	<50	-	-	-	-	-	-	-	-	-
C-5	09/28/2011 ¹²	38.50	9.41	29.09	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	03/08/2012 ¹²	38.50	20.00	18.50	0.00	0.00	96 J	10	0.7 J	3	3	34	<50	-	-	-	-	-	-	-	-	-
C-5	09/20/2012 ¹²	38.50	20.22	18.28	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	03/20/2013	38.50	18.23	20.27	0.00	0.00	<50	6	<0.5	1	<0.5	13	<50	-	-	-	-	-	-	-	-	-
C-5	09/18/2013 ¹²	38.50	20.29	18.21	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	03/13/2014 ¹²	38.50	20.26	18.24	0.00	0.00	64 J	4	<0.5	0.5 J	<0.5	4	<50	-	-	-	-	-	-	-	-	-
C-5	9/25/2014 ¹²	38.50	21.09	17.41	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	03/10/2015	41.11	20.35	20.76	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	9	<50	-	-	-	-	-	-	-	-	-
C-6	08/27/1990	32.40	44.11	-11.71	0.00	0.00	7,200	2,100	6.0	41	300	-	-	-	-	-	-	-	-	-	-	-
C-6	11/14/1990	32.40	44.03	-11.63	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-6	06/18/1991	32.40	43.49	-11.09	0.00	0.00	4,400	2,500	18	160	77	-	-	-	-	-	-	-	-	-	-	-
C-6	09/19/1991	32.40	34.32	-1.92	0.00	0.00	3,100	1,600	8.3	73	8.0	-	-	-	-	-	-	-	-	-	-	-
C-6	12/20/1991	32.40	41.35	-8.95	0.00	0.00	4,400	1,300	3.2	74	10	-	-	-	-	-	-	-	-	-	-	-
C-6	03/18/1992	32.40	40.69	-8.29	0.00	0.00	9,800	3,200	34	250	500	-	-	-	-	-	-	-	-	-	-	-
C-6	07/14/1992	32.40	38.89	-6.49	0.00	0.00	6,500	2,200	100	96	240	-	-	-	-	-	-	-	-	-	-	-

**GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCs					ADDITIONAL VOCs	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous Iron	Nitrate (as N)	Sulfate	
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-6	10/08/1992	32.40	38.67	-6.27	0.00	0.00	1,800	1,000	3.1	15	41	-	-	-	-	-	-	-	-	-	-	-
C-6	01/08/1993	32.40	37.81	-5.41	0.00	0.00	5,200	1,600	6.8	63	120	-	-	-	-	-	-	-	-	-	-	-
C-6	04/14/1993	32.40	34.70	-2.30	0.00	0.00	11,000	1,800	13	110	200	-	-	-	-	-	-	-	-	-	-	-
C-6	07/16/1993	32.40	33.87	-1.47	0.00	0.00	4,800	820	10	41	57	-	-	-	-	-	-	-	-	-	-	-
C-6	09/21/1993	35.40	33.98	1.42	0.00	0.00	4,100	1,200	<50	75	130	-	-	-	-	-	-	-	-	-	-	-
C-6	01/28/1994	35.40	33.86	1.54	0.00	0.00	3,100	930	14	40	34	-	-	-	-	-	-	-	-	-	-	-
C-6	03/17/1994	35.40	32.31	3.09	0.00	0.00	5,100	950	18	61	83	-	-	-	-	-	-	-	-	-	-	-
C-6	06/16/1994	35.40	31.50	3.90	0.00	0.00	3,800	970	6.4	52	62	-	-	-	-	-	-	-	-	-	-	-
C-6	09/22/1994	35.40	31.22	4.18	0.00	0.00	4,100	980	7.8	43	48	-	-	-	-	-	-	-	-	-	-	-
C-6	12/15/1994	35.40	31.40	4.00	0.00	0.00	5,000	1,400	<20	73	61	-	-	-	-	-	-	-	-	-	-	-
C-6	03/30/1995	35.40	26.38	9.02	0.00	0.00	5,500	1,700	<13	120	97	-	-	-	-	-	-	-	-	-	-	-
C-6	06/20/1995	35.40	25.01	10.39	0.00	0.00	1,700	470	<10	29	16	-	-	-	-	-	-	-	-	-	-	-
C-6	09/20/1995	35.40	24.05	11.35	0.00	0.00	3,500	770	<5.0	45	17	-	-	-	-	-	-	-	-	-	-	-
C-6	12/06/1995	35.40	28.12	7.28	0.00	0.00	3,100	710	<10	41	20	<50	-	-	-	-	-	-	-	-	-	-
C-6	03/21/1996	35.40	23.12	12.28	0.00	0.00	1,400	330	<2.5	15	8.1	19	-	-	-	-	-	-	-	-	-	-
C-6	06/21/1996	35.40	23.50	11.90	0.00	0.00	2,200	560	<5.0	18	<5.0	77	-	-	-	-	-	-	-	-	-	-
C-6	09/06/1996	35.40	24.83	10.57	0.00	0.00	2,800	720	<10	13	<10	160	-	-	-	-	-	-	-	-	-	-
C-6	12/19/1996	35.40	24.50	10.90	0.00	0.00	830	320	<2.5	<2.5	<2.5	14	-	-	-	-	-	-	-	-	-	-
C-6	03/17/1997	35.40	22.59	12.81	0.00	0.00	2,200	500	<10	25	<10	<50	-	-	-	-	-	-	-	-	-	-
C-6	06/11/1997	35.40	23.76	11.64	0.00	0.00	3,000	570	<5.0	29	10	220	-	-	-	-	-	-	-	-	-	-
C-6	09/17/1997	35.40	24.74	10.66	0.00	0.00	1,400	330	<5.0	<5.0	<5.0	76	-	1.5	1.2	-57	-48	620	1.1	<1.0	18	-
C-6	12/11/1997	35.40	24.65	10.75	0.00	0.00	1,600	230	<5.0	7.3	6.4	46	-	-	-	-	-	-	-	-	-	-

TABLE 3

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 90076
 4265 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCs					ADDITIONAL VOCs	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous Iron	Nitrate (as N)	Sulfate				
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L		
C-6	03/12/1998	35.40	27.12	8.28	0.00	0.00	980	300	<5.0	15	12	49	-	14.1	11.3	173	174	200	0.11	14	14				
C-6	06/23/1998 ³	35.40	27.92	7.48	0.00	0.00	220	35	<0.5	2.5	1.1	<2.5	-	-	-	-	-	-	-	-	-	-	-		
C-6	09/01/1998	35.40	31.60	3.80	0.00	0.00	1,800	370	2.8	19	5	44	-	-	-	-	-	-	-	-	-	-	-		
C-6	12/30/1998	35.40	31.82	3.58	0.00	0.00	1,600	244	<1.0	8.53	<1.0	54.9	-	-	-	-	-	-	-	-	-	-	-		
C-6	03/31/1999	35.40	26.06	9.34	0.00	0.00	741	92.2	<1.0	6.60	<1.0	27.9	-	9.8	8.4	162	168	534	<500 ¹⁴	0.849	45.3				
C-6	06/14/1999 ¹	35.40	29.68	5.72	0.00	0.00	434	110	<1.0	5.76	1.46	13/6.96 ²	-	-	-	-	-	-	-	-	-	-	-		
C-6	09/30/1999	35.40	23.06	12.34	0.00	0.00	481	92.7	<1.0	3.69	<1.0	32.9	-	-	-	-	-	-	-	-	-	-	-		
C-6	12/22/1999	35.40	22.55	12.85	0.00	0.00	1,310	158	2.16	5.5	1.41	113	-	1.02	1.22	-65	-60	614	0.36	0.421	32				
C-6	03/09/2000	35.40	20.03	15.37	0.00	0.00	470	120	0.74	5.0	2.5	36	-	5.4	1.6	-113	-35	540	0.26	0.14	24				
C-6	06/23/2000 ³	35.40	22.15	13.25	0.00	0.00	1,700 ⁴	210	<5.0	<5.0	5.8	64	-	-	-	-	-	-	-	-	-	-	-		
C-6	09/05/2000 ³	35.40	27.05	8.35	0.00	0.00	740 ⁴	99	0.60	5.1	2.2	80	-	1.90	2.73	45	31	550	0.18	<1.0	38				
C-6	12/04/2000	35.40	25.15	10.25	0.00	0.00	450 ⁴	31	0.71	<0.50	<0.50	54	-	-	-	-	-	-	-	-	-	-	-		
C-6	03/08/2001 ³	35.40	23.84	11.56	0.00	0.00	1,550	228	3.93	19.9	32.5	46.2	-	-	-	-	-	-	-	-	-	-	-		
C-6	06/07/2001 ³	35.40	25.73	9.67	0.00	0.00	360 ⁴	21	1.8	2.4	3.8	100	-	-	-	-	-	-	-	-	-	-	-		
C-6	09/13/2001 ³	35.40	23.80	11.60	0.00	0.00	950	180	<5.0	5.9	<5.0	170	-	-	-	-	-	-	-	-	-	-	-		
C-6	12/13/2001 ³	35.40	25.19	10.21	0.00	0.00	2,000	170	0.86	6.4	4.1	77	-	-	-	-	-	-	-	-	-	-	-		
C-6	03/08/2002 ³	35.40	21.08	14.32	0.00	0.00	600	33	0.91	1.8	<1.5	90	-	-	-	-	-	-	-	-	-	-	-		
C-6	06/19/2002 ³	35.40	24.62	10.78	0.00	0.00	370	11	<0.50	<0.50	<1.5	88	-	-	-	-	-	-	-	-	-	-	-		
C-6	09/11/2002 ³	35.40	29.00	6.40	0.00	0.00	490	16	0.50	<0.50	<1.5	120	-	-	-	-	-	-	-	-	-	-	-		
C-6	12/11/2002 ³	35.40	24.18	11.22	0.00	0.00	430	17	<0.50	<0.50	<1.5	100	-	-	-	-	-	-	-	-	-	-	-		
C-6	03/11/2003 ³	35.40	27.70	7.70	0.00	0.00	410	8.8	0.88	<0.50	<1.5	120	-	-	-	-	-	-	-	-	-	-	-		
C-6	06/10/2003 ^{3,7}	35.40	21.60	13.80	0.00	0.00	460	10	<0.5	<0.5	<0.5	100	-	-	-	-	-	-	-	-	-	-	-		

TABLE 3

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 90076
 4265 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate				
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L			
C-6	09/09/2003 ¹³	35.40	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
C-6	12/09/2003 ^{7,9}	35.40	25.89	9.51	0.00	0.00	1,700	69	<0.5	3	0.6	83	<50	-	-	-	-	-	-	-	-	-	-		
C-6	03/09/2004 ⁷	35.40	19.51	15.89	0.00	0.00	6,800	280	1	10	4	96	<50	-	-	-	-	-	-	-	-	-	-		
C-6	06/08/2004 ⁷	35.40	20.83	14.57	0.00	0.00	560	13	<0.5	<0.5	0.5	68	<50	-	-	-	-	-	-	-	-	-	-		
C-6	09/08/2004 ⁷	35.40	21.88	13.52	0.00	0.00	290	16	<0.5	<0.5	<0.5	50	<50	-	-	-	-	-	-	-	-	-	-		
C-6	12/06/2004 ⁷	35.40	21.34	14.06	0.00	0.00	290	18	<0.5	0.5	<0.5	44	<50	-	-	-	-	-	-	-	-	-	-		
C-6	03/07/2005 ⁷	35.40	18.27	17.13	0.00	0.00	2,500	150	0.7	5	2	71	<50	-	-	-	-	-	-	-	-	-	-		
C-6	06/06/2005 ⁷	35.40	18.52	16.88	0.00	0.00	1,900	110	<1	3	2	59	<100	-	-	-	-	-	-	-	-	-	-		
C-6	09/06/2005 ⁷	35.40	20.38	15.02	0.00	0.00	800	16	<0.5	0.5	0.6	51	<50	-	-	-	-	-	-	-	-	-	-		
C-6	12/05/2005 ⁷	35.40	20.06	15.34	0.00	0.00	540	15	<0.5	<0.5	0.6	45	<50	-	-	-	-	-	-	-	-	-	-		
C-6	03/06/2006 ⁷	35.40	18.76	16.64	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-	-		
C-6	06/05/2006 ⁷	35.40	17.80	17.60	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.7	<50	-	-	-	-	-	-	-	-	-	-		
C-6	09/05/2006 ⁷	35.40	20.00	15.40	0.00	0.00	1,200	17	<0.5	0.7	0.8	29	<50	-	-	-	-	-	-	-	-	-	-		
C-6	12/04/2006 ⁷	35.40	20.91	14.49	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-	-		
C-6	03/05/2007 ⁷	35.40	18.95	16.45	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-	-		
C-6	06/04/2007 ⁷	35.40	18.36	17.04	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	3	<50	-	-	-	-	-	-	-	-	-	-		
C-6	09/07/2007 ⁷	35.40	21.05	14.35	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-	-		
C-6	12/06/2007 ⁷	35.40	21.87	13.53	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-	-		
C-6	03/06/2008 ⁷	35.40	21.68	13.72	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-	-		
C-6	06/05/2008 ⁷	35.40	21.25	14.15	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	<50	-	-	-	-	-	-	-	-	-	-		
C-6	09/03/2008 ⁷	35.40	21.40	14.00	0.00	0.00	56	0.8	<0.5	<0.5	<0.5	5	<50	-	-	-	-	-	-	-	-	-	-		
C-6	12/03/2008 ⁷	35.40	22.18	13.22	0.00	0.00	120	2	<0.5	<0.5	<0.5	5	<50	-	-	-	-	-	-	-	-	-	-		

**GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY					
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous Iron	Nitrate (as N)	Sulfate		
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L	
C-6	03/04/2009	25.40	21.82	13.58	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	12	<50	-	-	-	-	-	-	-	-	-	-
C-6	06/09/2009 ⁷	35.40	20.33	25.07	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	<50	-	-	-	-	-	-	-	-	-	-
C-6	09/30/2009 ⁷	35.40	21.72	13.68	0.00	0.00	790 J	1	<0.5	<0.5	<0.5	8	<50	-	-	-	-	-	-	-	-	-	-
C-6	03/22/2010 ⁷	35.40	18.30	17.10	0.00	0.00	270	<0.5	<0.5	<0.5	<0.5	8	<50	-	-	-	-	-	-	-	-	-	-
C-6	09/16/2010	35.40	20.92	14.48	0.00	0.00	210	<0.5	<0.5	<0.5	<0.5	5	<50	-	-	-	-	-	-	-	-	-	-
C-6	03/08/2011	35.40	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-6	09/28/2011	35.40	20.69	14.71	0.00	0.00	59 J	<0.5	<0.5	<0.5	<0.5	4	<50	-	-	-	-	-	-	-	-	-	-
C-6	03/08/2012	35.40	21.23	14.17	0.00	0.00	1,700	2	<0.5	<0.5	0.8 J	6	<50	-	-	-	-	-	-	-	-	-	-
C-6	09/20/2012	35.40	21.76	13.64	0.00	0.00	2,700	2	<0.5	<0.5	<0.5	10	<50	-	-	-	-	-	-	-	-	-	-
C-6	03/20/2013	35.40	19.79	15.61	0.00	0.00	120	<0.5	<0.5	<0.5	<0.5	3	<50	-	-	-	-	-	-	-	-	-	-
C-6	09/18/2013	35.40	21.68	13.72	0.00	0.00	1,700	1	<0.5	<0.5	<0.5	7	<50	-	-	-	-	-	-	-	-	-	-
C-6	03/13/2014	35.40	21.10	14.30	0.00	0.00	120	<0.5	<0.5	<0.5	<0.5	4	<50	-	-	-	-	-	-	-	-	-	-
C-6	9/25/2014	35.40	22.67	12.73	0.00	0.00	100	<0.5	<0.5	<0.5	<0.5	4	<50	-	-	-	-	-	-	-	-	-	-
C-6	03/10/2015	37.94	21.81	16.13	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-	-
C-7	08/27/1990	32.17	44.23	-12.06	0.00	0.00	110	26	0.8	4.0	6.0	-	-	-	-	-	-	-	-	-	-	-	-
C-7	11/14/1990	32.17	44.11	-11.94	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-7	06/18/1991	32.17	42.05	-9.88	0.00	0.00	23,000	5,700	420	1,000	2,800	-	-	-	-	-	-	-	-	-	-	-	-
C-7	09/19/1991	32.17	41.72	-9.55	0.00	0.00	26,000	4,600	330	970	2,400	-	-	-	-	-	-	-	-	-	-	-	-
C-7	12/20/1991	32.17	41.67	-9.50	0.00	0.00	33,000	5,500	270	1,000	2,100	-	-	-	-	-	-	-	-	-	-	-	-
C-7	03/18/1992	32.17	41.20	-9.03	0.00	0.00	27,000	5,800	410	1,300	3,300	-	-	-	-	-	-	-	-	-	-	-	-
C-7	07/14/1992	32.17	39.77	-7.60	0.00	0.00	46,000	12,000	720	1,700	4,600	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 3

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 90076
 4265 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate				
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L		
C-7	10/08/1992	32.17	39.14	-6.97	0.00	0.00	22,000	6,800	370	1,300	3,200	-	-	-	-	-	-	-	-	-	-	-	-		
C-7	01/08/1993	32.17	38.50	-6.33	0.00	0.00	36,000	7,600	540	1,700	4,200	-	-	-	-	-	-	-	-	-	-	-	-		
C-7	04/14/1993	32.17	35.93	-3.76	0.00	0.00	23,000	3,100	450	670	1,900	-	-	-	-	-	-	-	-	-	-	-	-		
C-7	07/16/1993	32.17	35.38	-3.21	0.00	0.00	19,000	3,200	330	550	1,800	-	-	-	-	-	-	-	-	-	-	-	-		
C-7	09/21/1993	35.19	35.46	-0.27	0.00	0.00	17,000	2,700	160	410	760	-	-	-	-	-	-	-	-	-	-	-	-		
C-7	01/28/1994	35.19	35.45	-0.26	0.00	0.00	14,000	1,800	210	390	1,000	-	-	-	-	-	-	-	-	-	-	-	-		
C-7	03/17/1994	35.19	33.24	1.95	0.00	0.00	17,000	1,600	210	410	1,200	-	-	-	-	-	-	-	-	-	-	-	-		
C-7	06/16/1994	35.19	33.07	2.12	0.00	0.00	12,000	1,600	180	410	1,200	-	-	-	-	-	-	-	-	-	-	-	-		
C-7	09/22/1994	35.19	32.74	2.45	0.00	0.00	10,000	1,700	110	320	580	-	-	-	-	-	-	-	-	-	-	-	-		
C-7	12/15/1994	35.19	31.92	3.27	0.00	0.00	10,000	1,200	120	280	710	-	-	-	-	-	-	-	-	-	-	-	-		
C-7	03/30/1995	35.19	27.60	7.59	0.00	0.00	4,600	460	73	160	460	-	-	-	-	-	-	-	-	-	-	-	-		
C-7	06/20/1995	35.19	27.87	7.32	0.00	0.00	26,000	4,400	450	900	2,400	-	-	-	-	-	-	-	-	-	-	-	-		
C-7	09/20/1995	35.19	28.08	7.11	0.00	0.00	9,400	610	81	250	800	-	-	-	-	-	-	-	-	-	-	-	-		
C-7	12/06/1995	35.19	30.62	4.57	0.00	0.00	1,200	110	12	25	71	34	-	-	-	-	-	-	-	-	-	-	-		
C-7	03/21/1996	35.19	27.85	7.34	0.00	0.00	17,000	1,300	160	410	1,300	<100	-	-	-	-	-	-	-	-	-	-	-		
C-7	09/06/1996	35.19	28.35	6.84	0.00	0.00	15,000	3,400	<50	460	850	<250	-	-	-	-	-	-	-	-	-	-	-		
C-7	12/19/1996	35.19	29.11	6.08	0.00	0.00	530	9	0.5	0.85	3.4	<2.5	-	-	-	-	-	-	-	-	-	-	-		
C-7	03/17/1997	35.19	27.14	8.05	0.00	0.00	4,600	310	46	110	310	98	-	-	-	-	-	-	-	-	-	-	-		
C-7	06/11/1997	35.19	28.05	7.14	0.00	0.00	420	15	<0.5	3.3	5.1	<2.5	-	-	-	-	-	-	-	-	-	-	-		
C-7	09/17/1997	35.19	29.00	6.19	0.00	0.00	1,400	120	11	31	84	54	-	0.6	0.4	126	115	600	4.8	<1.0	18	-			
C-7	12/11/1997	35.19	29.26	5.93	0.00	0.00	210	10	<0.5	0.97	1.6	<2.5	-	-	-	-	-	-	-	-	-	-	-		
C-7	03/12/1998	35.19	24.92	10.27	0.00	0.00	68	<0.5	<0.5	<0.5	<0.5	<2.5	-	2.2	2.1	167	167	460	0.16	<1.0	29	-			

TABLE 3

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 90076
 4265 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-7	06/23/1998	35.19	25.30	9.89	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-
C-7	09/01/1998	35.19	26.27	8.92	0.00	0.00	570	24	1.4	8.4	22	24	-	-	-	-	-	-	-	-	-	-
C-7	12/30/1998	35.19	26.52	8.67	0.00	0.00	<50	4.85	1.26	<0.5	1.29	167	-	-	-	-	-	-	-	-	-	-
C-7	03/31/1999	35.19	24.76	10.43	0.00	0.00	53.1	<0.5	<0.5	<0.5	<0.5	<2.0	-	2.0	1.8	137	135	486	<500 ¹⁴	<0.1	29.4	-
C-7	06/14/1999 ¹	35.19	25.44	9.75	0.00	0.00	109	4.43	<0.5	<0.5	<0.5	<2.5/<2.0 ²	-	-	-	-	-	-	-	-	-	-
C-7	09/30/1999	35.19	26.87	8.32	0.00	0.00	2,400	282	26.3	120	236	126	-	-	-	-	-	-	-	-	-	-
C-7	12/22/1999	35.19	27.77	7.42	0.00	0.00	3,840	162	18.1	44.7	85.3	141	-	1.8	1.5	20	-60	400	1.6	0.434	16.9	-
C-7	03/09/2000	35.19	25.57	9.62	0.00	0.00	13,000	2,700	110	700	1,500	<130	-	0.7	2.5	10	-13	610	2.1	<0.1	5.5	-
C-7	06/23/2000	35.19	25.66	9.53	0.00	0.00	190 ⁴	3.4	<0.50	<0.50	1.6	7.3	-	-	-	-	-	-	-	-	-	-
C-7	09/05/2000	35.19	26.75	8.44	0.00	0.00	4,200 ⁴	330	26	120	200	190	-	1.77	1.46	133	46	590	1.8	<1.0	12	-
C-7	12/04/2000	35.19	27.16	8.03	0.00	0.00	2,600 ⁴	550	<5.0	73	62	<25	-	-	-	-	-	-	-	-	-	-
C-7	03/08/2001	35.19	25.43	9.76	0.00	0.00	1,180	39.2	2.41	15.5	30.8	10.3	-	-	-	-	-	-	-	-	-	-
C-7	06/07/2001	35.19	25.39	9.80	0.00	0.00	2,600 ⁴	440	14	110	130	56	-	-	-	-	-	-	-	-	-	-
C-7	09/13/2001	35.19	26.61	8.58	0.00	0.00	23,000 ⁶	670	<100	150	210	<500	-	-	-	-	-	-	-	-	-	-
C-7	12/13/2001	35.19	26.69	8.50	0.00	0.00	2,400	160	5.8	42	54	<10	-	-	-	-	-	-	-	-	-	-
C-7	03/08/2002	35.19	24.80	10.39	0.00	0.00	3,900	380	21	110	160	<20	-	-	-	-	-	-	-	-	-	-
C-7	06/19/2002	35.19	27.41	7.78	0.00	0.00	3,600	440	8.5	87	73	<10	-	-	-	-	-	-	-	-	-	-
C-7	09/11/2002	35.19	25.78	9.41	0.00	0.00	11,000	1,800	18	360	380	<10	-	-	-	-	-	-	-	-	-	-
C-7	12/11/2002	35.19	30.75	4.44	0.00	0.00	6,000	1,100	9.3	190	190	<10	-	-	-	-	-	-	-	-	-	-
C-7	03/11/2003	35.19	26.90	8.29	0.00	0.00	4,900	940	13	150	160	<25	-	-	-	-	-	-	-	-	-	-
C-7	06/10/2003 ⁷	35.19	30.91	4.28	0.00	0.00	3,100	500	7	83	77	4	-	-	-	-	-	-	-	-	-	-
C-7	09/09/2003 ⁷	35.19	31.81	3.38	0.00	0.00	3,900	310	9	110	130	5	<50	-	-	-	-	-	-	-	-	-

**GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCs					ADDITIONAL VOCs	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous Iron	Nitrate (as N)	Sulfate				
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L	
C-7	12/09/2003 ⁷	35.19	28.45	6.74	0.00	0.00	170	0.8	<0.5	<0.5	<0.5	5	<50	-	-	-	-	-	-	-	-	-	-	-	
C-7	03/09/2004 ⁷	35.19	24.46	10.73	0.00	0.00	80	<0.5	<0.5	<0.5	<0.5	4	<50	-	-	-	-	-	-	-	-	-	-	-	
C-7	06/08/2004 ⁷	35.19	26.96	8.23	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	6	<50	-	-	-	-	-	-	-	-	-	-	-	
C-7	09/08/2004 ⁷	35.19	25.20	9.99	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	7	<50	-	-	-	-	-	-	-	-	-	-	-	
C-7	12/06/2004 ⁷	35.19	24.91	10.28	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	7	<50	-	-	-	-	-	-	-	-	-	-	-	
C-7	03/07/2005 ⁷	35.19	23.43	11.76	0.00	0.00	590	9	0.7	4	6	7	<50	-	-	-	-	-	-	-	-	-	-	-	
C-7	06/06/2005 ⁷	35.19	21.88	13.31	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	6	<50	-	-	-	-	-	-	-	-	-	-	-	
C-7	09/06/2005 ⁷	35.19	23.59	11.60	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	9	<50	-	-	-	-	-	-	-	-	-	-	-	
C-7	12/05/2005 ⁷	35.19	23.75	11.44	0.00	0.00	<50	0.6	<0.5	<0.5	<0.5	9	<50	-	-	-	-	-	-	-	-	-	-	-	
C-7	03/06/2006 ⁷	35.19	21.39	13.80	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	7	<50	-	-	-	-	-	-	-	-	-	-	-	
C-7	06/05/2006 ⁷	35.19	20.41	14.78	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	4	<50	-	-	-	-	-	-	-	-	-	-	-	
C-7	09/05/2006 ⁷	35.19	22.81	12.38	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	<50	-	-	-	-	-	-	-	-	-	-	-	
C-7	12/04/2006 ⁷	35.19	23.35	11.84	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	3	<50	-	-	-	-	-	-	-	-	-	-	-	
C-7	03/05/2007 ⁷	35.19	22.72	12.47	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	<50	-	-	-	-	-	-	-	-	-	-	-	
C-7	06/04/2007 ⁷	35.19	20.95	14.24	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	4	<50	-	-	-	-	-	-	-	-	-	-	-	
C-7	09/07/2007 ⁷	35.19	23.48	11.71	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	5	<50	-	-	-	-	-	-	-	-	-	-	-	
C-7	12/06/2007 ⁷	35.19	24.32	10.87	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	5	<50	-	-	-	-	-	-	-	-	-	-	-	
C-7	03/06/2008 ⁷	35.19	23.29	11.90	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	6	<50	-	-	-	-	-	-	-	-	-	-	-	
C-7	06/05/2008 ⁷	35.19	23.27	11.92	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	6	<50	-	-	-	-	-	-	-	-	-	-	-	
C-7	09/03/2008 ⁷	35.19	24.61	10.58	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	4	<50	-	-	-	-	-	-	-	-	-	-	-	
C-7	12/03/2008 ⁷	35.19	25.22	9.97	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	4	<50	-	-	-	-	-	-	-	-	-	-	-	
C-7	03/04/2009	35.19	23.55	11.64	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	3	<50	-	-	-	-	-	-	-	-	-	-	-	

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 90076
 4265 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCs					ADDITIONAL VOCs	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous Iron	Nitrate (as N)	Sulfate				
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L		
C-7	06/09/2009 ⁷	35.19	23.45	11.74	0.00	0.00	3,300 J	12	3	60	120	11	<50	-	-	-	-	-	-	-	-	-	-		
C-7	09/30/2009 ⁷	35.19	24.85	10.34	0.00	0.00	260	<0.5	<0.5	<0.5	<0.5	13	<50	-	-	-	-	-	-	-	-	-	-		
C-7	03/22/2010 ⁷	35.19	22.39	12.80	0.00	0.00	2,800	150	4	79	120	11	<50	-	-	-	-	-	-	-	-	-	-		
C-7	09/16/2010	35.19	24.00	11.19	0.00	0.00	1,900	30	1	28	55	9	<50	-	-	-	-	-	-	-	-	-	-		
C-7	03/08/2011	35.19	21.16	14.03	0.00	0.00	4,200	620	5	190	140	5	<100	-	-	-	-	-	-	-	-	-	-		
C-7	09/28/2011	35.19	23.81	11.38	0.00	0.00	4,500	670	5	170	110	5	<100	-	-	-	-	-	-	-	-	-	-		
C-7	03/08/2012	35.19	24.00	11.19	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	7	<50	-	-	-	-	-	-	-	-	-	-		
C-7	09/20/2012	35.19	24.72	10.47	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	8	<50	-	-	-	-	-	-	-	-	-	-		
C-7	03/20/2013	35.19	23.59	11.60	0.00	0.00	1,700	24	2	37	76	8	<50	-	-	-	-	-	-	-	-	-	-		
C-7	09/18/2013	35.19	25.00	10.19	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	9	<50	-	-	-	-	-	-	-	-	-	-		
C-7	03/13/2014	35.19	24.90	10.29	0.00	0.00	2,700	38	0.6 J	19	19	9	<50	-	-	-	-	-	-	-	-	-	-		
C-7	9/25/2014	35.19	25.75	9.44	0.00	0.00	1,300	15	0.5 J	15	27	8	<50	-	-	-	-	-	-	-	-	-	-		
C-7	03/10/2015 ¹³	35.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
C-8	11/14/1990	30.68	43.29	-12.61	0.00	0.00	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-	-	-	-	-		
C-8	06/18/1991	30.68	42.62	-11.94	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
C-8	09/19/1991	30.68	41.72	-11.04	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
C-8	12/20/1991	30.68	40.98	-10.30	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
C-8	03/18/1992	30.68	40.02	-9.34	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
C-8	07/14/1992	30.68	39.02	-8.34	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
C-8	10/08/1992	30.68	38.68	-8.00	0.00	0.00	<50	<0.5	<0.5	<0.5	1.1	-	-	-	-	-	-	-	-	-	-	-	-		
C-8	01/08/1993	30.68	38.07	-7.39	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		

**GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate				
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L		
C-8	04/14/1993	30.68	35.99	-5.31	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
C-8	07/16/1993	30.68	35.32	-4.64	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
C-8	09/21/1993	34.68	35.30	-0.62	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.8	-	-	-	-	-	-	-	-	-	-	-	-		
C-8	01/28/1994	34.68	35.61	-0.93	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
C-8	03/17/1994	34.68	34.37	0.31	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
C-8	06/16/1994	34.68	33.36	1.32	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
C-8	09/22/1994	34.68	32.82	1.86	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
C-8	12/15/1994	34.68	32.36	2.32	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
C-8	03/30/1995	34.68	29.24	5.44	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
C-8	06/20/1995	34.68	28.34	6.34	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
C-8	09/20/1995	34.68	29.48	5.20	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
C-8	12/06/1995	34.68	30.92	3.76	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-		
C-8	03/21/1996	34.68	28.65	6.03	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-		
C-8	06/21/1996	34.68	27.90	6.78	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-		
C-8	09/06/1996	34.68	28.70	5.98	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-		
C-8	12/19/1996	34.68	29.70	4.98	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-		
C-8	03/17/1997	34.68	27.76	6.92	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-		
C-8	06/11/1997	34.68	28.81	5.87	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-		
C-8	09/17/1997 ¹²	34.68	29.36	5.32	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
C-8	12/11/1997	34.68	29.80	4.88	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
C-8	03/12/1998	34.68	25.73	8.95	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2.6	-	1.0	1.1	171	169	110	0.16	7.4	8.2	-			
C-8	06/23/1998	34.68	26.30	8.38	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

TABLE 3

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 90076
 4265 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCs					ADDITIONAL VOCs	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate				
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L			
C-8	09/01/1998	34.68	26.51	8.17	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-8	12/30/1998	34.68	26.89	7.79	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-8	03/31/1999	34.68	26.36	8.32	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	11.8	-	1.8	1.5	149	132	264	<500 ¹⁴	17	71	-			
C-8	06/14/1999	34.68	26.03	8.65	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-8	09/30/1999	34.68	27.28	7.40	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-8	12/22/1999	34.68	28.20	6.48	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-8	03/09/2000	34.68	26.33	8.35	0.00	0.00	<50	<0.5	<0.5	<0.5	1.8	<2.5	-	2.7	3.3	141	160	270	0.24	29	35	-			
C-8	06/23/2000 ¹²	34.68	26.19	8.49	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-8	09/05/2000	34.68	26.97	7.71	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-8	12/04/2000	34.68	27.42	7.26	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-8	03/08/2001	34.68	26.10	8.58	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	-	-	-	-	-	-	-	-	-	-			
C-8	06/07/2001 ¹²	34.68	25.79	8.89	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-8	09/13/2001 ¹²	34.68	26.81	7.87	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-8	12/13/2001 ¹²	34.68	27.16	7.52	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-8	03/08/2002	34.68	25.30	9.38	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-	-	-	-			
C-8	06/19/2002 ¹²	34.68	24.93	9.75	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-8	09/11/2002 ¹²	34.68	25.92	8.76	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-8	12/11/2002 ¹²	34.68	27.31	7.37	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-8	03/11/2003	34.68	25.79	8.89	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-	-	-	-			
C-8	06/10/2003 ¹²	34.68	25.28	9.40	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-8	09/09/2003 ¹²	34.68	26.11	8.57	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-8	12/09/2003 ¹²	34.68	28.51	6.17	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

**GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate				
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L			
C-8	03/09/2004 ⁷	34.68	23.98	10.70	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-			
C-8	06/08/2004 ¹²	34.68	25.27	9.41	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-8	09/08/2004 ¹²	34.68	25.83	8.85	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-8	12/06/2004 ¹²	34.68	25.06	9.62	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-8	03/07/2005 ⁷	34.68	23.35	11.33	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-			
C-8	06/06/2005 ¹²	34.68	22.84	11.84	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-8	09/06/2005 ¹²	34.68	24.91	9.77	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-8	12/05/2005 ¹²	34.68	24.16	10.52	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-8	03/06/2006 ⁷	34.68	22.55	12.13	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-			
C-8	06/05/2006 ¹²	34.68	21.60	13.08	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-8	09/05/2006 ¹²	34.68	23.75	10.93	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-8	12/04/2006 ¹²	34.68	23.97	10.71	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-8	03/05/2007 ⁷	34.68	23.05	11.63	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-			
C-8	06/04/2007 ¹²	34.68	22.11	12.57	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-8	09/07/2007 ¹²	34.68	24.07	10.61	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-8	12/06/2007 ¹²	34.68	24.38	10.30	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-8	03/06/2008 ⁷	34.68	23.36	11.32	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-			
C-8	06/05/2008 ¹²	34.68	23.06	11.62	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-8	09/03/2008 ¹²	34.68	24.93	9.75	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-8	12/03/2008 ¹²	34.68	25.70	8.98	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-8	03/04/2009	34.68	23.98	10.70	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-			
C-8	06/09/2009 ¹²	34.68	23.85	12.83	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

TABLE 3

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 90076
 4265 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate		
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L	
C-8	09/30/2009 ¹²	34.68	25.40	9.28	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	03/22/2010	34.68	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	09/16/2010 ¹²	34.68	24.34	10.34	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	03/08/2011 ¹²	34.68	21.42	13.26	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-	-
C-8	09/28/2011 ¹²	34.68	23.27	11.41	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	03/08/2012 ¹²	34.68	24.22	10.46	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-	-
C-8	09/20/2012 ¹²	34.68	25.01	9.67	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	03/20/2013	34.68	23.93	10.75	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-	-
C-8	09/18/2013 ¹²	34.68	25.19	9.49	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	03/13/2014 ¹²	34.68	25.01	9.67	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-	-
C-8	9/25/2014 ¹²	34.68	25.87	8.81	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	03/10/2015¹²	37.22	25.06	12.16	0.00	0.00	<50	1	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-	-
C-9	08/13/1996	-	28.27	-	0.00	0.00	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	-	-	-	-
C-9	09/06/1996	-	28.47	-	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-
C-9	12/19/1996	30.68	29.29	1.39	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-
C-9	03/17/1997	30.68	27.57	3.11	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-
C-9	06/11/1997	30.68	28.27	2.41	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-
C-9	09/17/1997 ¹²	30.68	28.63	2.05	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	12/11/1997	30.68	29.43	1.25	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	03/12/1998	30.68	25.62	5.06	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	2.5	2.5	172	168	230	0.048	59	58	-	-
C-9	06/23/1998	30.68	26.15	4.53	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCs					ADDITIONAL VOCs	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate				
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L			
C-9	09/01/1998	30.68	26.38	4.30	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-9	12/30/1998	30.68	26.75	3.93	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-9	03/31/1999	30.68	25.33	5.35	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	12.5	-	2.1	2.3	154	142	236	<500 ¹⁴	18	72.7				
C-9	06/14/1999	30.68	26.52	4.16	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-9	09/30/1999	30.68	26.79	3.89	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-9	12/22/1999	30.68	27.69	2.99	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-9	03/09/2000	30.68	26.04	4.64	0.00	0.00	<50	<0.5	<0.5	<0.5	0.75	<2.5	-	2.5	3.7	108	138	190	0.79	100	73				
C-9	06/23/2000	30.68	25.85	4.83	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-9	09/05/2000	30.68	26.69	3.99	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-9	12/04/2000	30.68	27.07	3.61	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-9	03/08/2001	30.68	25.75	4.93	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	-	-	-	-	-	-	-	-	-	-			
C-9	06/07/2001 ¹²	30.68	25.50	5.18	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-9	09/13/2001 ¹²	30.68	26.55	4.13	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-9	12/13/2001 ¹²	30.68	26.77	3.91	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-9	03/08/2002	30.68	25.00	5.68	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-	-	-	-			
C-9	06/19/2002 ¹²	30.68	24.67	6.01	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-9	09/11/2002 ¹²	30.68	25.70	4.98	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-9	12/11/2002 ¹²	30.68	27.07	3.61	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-9	03/11/2003	30.68	24.48	6.20	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-	-	-	-			
C-9	06/10/2003 ¹²	30.68	25.00	5.68	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-9	09/09/2003 ¹²	30.68	25.80	4.88	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
C-9	12/09/2003 ¹²	30.68	28.22	2.46	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

**GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-9	03/09/2004 ⁷	30.68	23.86	6.82	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-9	06/08/2004 ¹²	-- ¹⁰	25.21	-- ¹⁰	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	09/08/2004 ¹²	-- ¹⁰	25.61	-- ¹⁰	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	12/06/2004 ¹²	-- ¹⁰	24.77	-- ¹⁰	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	03/07/2005 ⁷	-- ¹⁰	23.18	-- ¹⁰	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-9	06/06/2005 ¹²	-- ¹⁰	22.65	-- ¹⁰	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	09/06/2005 ¹²	-- ¹⁰	24.58	-- ¹⁰	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	12/05/2005 ¹²	-- ¹⁰	23.80	-- ¹⁰	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	03/06/2006 ⁷	-- ¹⁰	22.44	-- ¹⁰	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-9	06/05/2006 ¹²	-- ¹⁰	21.54	-- ¹⁰	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	09/05/2006 ¹²	-- ¹⁰	23.49	-- ¹⁰	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	12/04/2006 ¹²	-- ¹⁰	23.72	-- ¹⁰	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	03/05/2007 ⁷	-- ¹⁰	22.97	-- ¹⁰	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-9	06/04/2007 ¹²	-- ¹⁰	21.89	-- ¹⁰	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	09/07/2007 ¹²	-- ¹⁰	23.76	-- ¹⁰	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	12/06/2007 ¹²	-- ¹⁰	24.17	-- ¹⁰	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	03/06/2008 ⁷	-- ¹⁰	23.18	-- ¹⁰	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-9	06/05/2008 ¹²	-- ¹⁰	23.11	-- ¹⁰	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	09/03/2008 ¹²	-- ¹⁰	24.91	-- ¹⁰	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	12/03/2008 ¹²	-- ¹⁰	25.51	-- ¹⁰	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	03/04/2009	-- ¹⁰	23.92	-- ¹⁰	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-9	06/09/2009 ¹²	-- ¹⁰	23.68	-- ¹⁰	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 3

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 90076
 4265 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCs					ADDITIONAL VOCs	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous Iron	Nitrate (as N)	Sulfate				
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L		
C-9	09/30/2009 ¹²	- ¹⁰	25.41	- ¹⁰	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C-9	03/22/2010 ⁷	- ¹⁰	22.37	- ¹⁰	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-	-	
C-9	09/16/2010 ¹²	- ¹⁰	24.30	- ¹⁰	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C-9	03/08/2011 ¹²	- ¹⁰	21.71	- ¹⁰	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-	-	
C-9	09/28/2011 ¹²	- ¹⁰	23.36	- ¹⁰	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C-9	03/08/2012 ¹²	- ¹⁰	24.44	- ¹⁰	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-	-	
C-9	09/20/2012 ¹²	- ¹⁰	24.92	- ¹⁰	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C-9	03/20/2013	- ¹⁰	23.36	- ¹⁰	0.00	0.00	190	7	<0.5	2	2	<0.5	<50	-	-	-	-	-	-	-	-	-	-	-	
C-9	09/18/2013 ¹²	- ¹⁰	25.37	- ¹⁰	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C-9	03/13/2014 ¹²	- ¹⁰	24.82	- ¹⁰	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-	-	
C-9	9/25/2014 ¹²	- ¹⁰	25.92	- ¹⁰	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C-9	03/10/2015 ¹³	- ¹⁰	-	- ¹⁰	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C-10	09/09/2003 ^{7,8}	-	17.18	-	0.00	0.00	<50	<0.5	<0.5	<0.5	0.5	14	<50	-	-	-	-	-	-	-	-	-	-	-	
C-10	12/09/2003 ⁷	-	14.24	-	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	<50	-	-	-	-	-	-	-	-	-	-	-	
C-10	03/09/2004 ⁷	38.37	9.70	28.67	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	15	<50	-	-	-	-	-	-	-	-	-	-	-	
C-10	06/08/2004 ⁷	38.37	11.70	26.67	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	44	<50	-	-	-	-	-	-	-	-	-	-	-	
C-10	09/08/2004 ⁷	38.37	13.00	25.37	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	<50	-	-	-	-	-	-	-	-	-	-	-	
C-10	12/06/2004 ⁷	38.37	12.53	25.84	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	3	<50	-	-	-	-	-	-	-	-	-	-	-	
C-10	03/07/2005 ⁷	38.38	7.84	30.54	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	140	<50	-	-	-	-	-	-	-	-	-	-	-	
C-10	06/06/2005 ⁷	38.38	9.62	28.76	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	390	<50	-	-	-	-	-	-	-	-	-	-	-	
C-10	09/06/2005 ⁷	38.39	11.58	26.81	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	190	<50	-	-	-	-	-	-	-	-	-	-	-	

**GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous Iron	Nitrate (as N)	Sulfate	
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-10	12/05/2005 ⁷	38.39	10.88	27.51	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	67	<50	-	-	-	-	-	-	-	-	-
C-10	03/06/2006 ⁷	38.39	7.37	31.02	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	280	<50	-	-	-	-	-	-	-	-	-
C-10	06/05/2006 ⁷	38.39	9.25	29.14	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	280	<50	-	-	-	-	-	-	-	-	-
C-10	09/05/2006 ⁷	38.39	10.38	28.01	0.00	0.00	<50	3	3	2	16	63	<50	-	-	-	-	-	-	-	-	-
C-10	12/04/2006 ⁷	38.39	10.65	27.74	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	93	<50	-	-	-	-	-	-	-	-	-
C-10	03/05/2007 ⁷	38.39	8.97	29.42	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	100	<50	-	-	-	-	-	-	-	-	-
C-10	06/04/2007 ⁷	38.39	9.80	28.59	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	48	<50	-	-	-	-	-	-	-	-	-
C-10	09/07/2007 ⁷	38.39	11.20	27.19	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	18	<50	-	-	-	-	-	-	-	-	-
C-10	12/06/2007 ⁷	38.39	10.53	27.86	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	19	<50	-	-	-	-	-	-	-	-	-
C-10	03/06/2008 ⁷	38.39	8.75	29.64	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	43	<50	-	-	-	-	-	-	-	-	-
C-10	06/05/2008 ⁷	38.39	9.95	28.44	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	25	<50	-	-	-	-	-	-	-	-	-
C-10	09/03/2008 ⁷	38.39	11.41	26.98	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	12	<50	-	-	-	-	-	-	-	-	-
C-10	12/03/2008 ⁷	38.39	11.26	27.13	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	8	<50	-	-	-	-	-	-	-	-	-
C-10	03/04/2009	38.39	7.16	31.23	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	6	<50	-	-	-	-	-	-	-	-	-
C-10	06/09/2009 ⁷	38.39	9.66	28.73	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	30	<50	-	-	-	-	-	-	-	-	-
C-10	09/30/2009 ⁷	38.39	10.92	27.47	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	9	<50	-	-	-	-	-	-	-	-	-
C-10	03/22/2010 ⁷	38.39	7.47	30.92	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	17	<50	-	-	-	-	-	-	-	-	-
C-10	09/16/2010	38.39	10.17	28.22	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	12	<50	-	-	-	-	-	-	-	-	-
C-10	03/08/2011	38.39	8.50	29.89	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	7	<50	-	-	-	-	-	-	-	-	-
C-10	09/28/2011	38.39	10.02	28.37	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	6	<50	-	-	-	-	-	-	-	-	-
C-10	03/08/2012	38.39	12.80	25.59	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	5	<50	-	-	-	-	-	-	-	-	-
C-10	09/20/2012	38.39	10.94	27.45	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.8 J	<50	-	-	-	-	-	-	-	-	-

TABLE 3

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 90076
 4265 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate				
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L			
C-10	03/20/2013	38.39	9.29	29.10	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	4	<50	-	-	-	-	-	-	-	-	-			
C-10	09/18/2013	38.39	10.00	28.39	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-			
C-10	03/13/2014	38.39	9.10	29.29	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-			
C-10	9/25/2014	38.39	10.29	28.10	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.9 J	<50	-	-	-	-	-	-	-	-	-			
C-10	03/10/2015	40.96	9.30	31.66	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	<50	-	-	-	-	-	-	-	-	-			
C-11	3/10/2015	36.79	9.95	26.84	0.00	0.00	310	56	1	1	0.9 J	<0.5	<50	-	-	-	-	-	-	-	-	-			
QA	12/13/2001	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-	-	-	-			
QA	03/08/2002	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-	-	-	-			
QA	06/19/2002	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-	-	-	-			
QA	09/11/2002	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-	-	-	-			
QA	12/11/2002	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-	-	-	-			
QA	03/11/2003	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-	-	-	-			
QA	06/10/2003 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-			
QA	09/09/2003 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-			
QA	12/09/2003 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-			
QA	03/09/2004 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-			
QA	06/08/2004 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-			
QA	09/08/2004 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-			
QA	12/06/2004 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-			
QA	03/07/2005 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-			

**GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate				
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L		
QA	06/06/2005 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-		
QA	09/06/2005 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-		
QA	12/05/2005 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-		
QA	03/06/2006 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-		
QA	06/05/2006 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-		
QA	09/05/2006 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-		
QA	12/04/2006 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-		
QA	03/05/2007 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-		
QA	06/04/2007 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-		
QA	09/07/2007 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-		
QA	12/06/2007 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-		
QA	03/06/2008 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-		
QA	06/05/2008 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-		
QA	09/03/2008 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-		
QA	12/03/2008 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-		
QA	06/09/2009 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-		
QA	09/30/2009 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-		
QA	03/22/2010 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-		
QA	09/16/2010	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-	-		
QA	03/08/2011	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-		
QA	09/28/2011	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-		
QA	03/08/2012	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-		

**GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
QA	09/20/2012	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
QA	03/20/2013	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
QA	09/18/2013	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
QA	03/13/2014	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
QA	9/25/2014	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
QA	03/10/2015	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
Trip Blank	04/28/1989	-	-	-	-	-	<500	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	08/08/1989	-	-	-	-	-	<500	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	08/27/1990	-	-	-	-	-	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	11/14/1990	-	-	-	-	-	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	06/18/1991	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	09/19/1991	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	12/20/1991	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	03/18/1992	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	07/14/1992	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	10/08/1992	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	01/08/1993	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	04/14/1993	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	07/16/1993	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	09/21/1993	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.8	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	01/28/1994	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-

**GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate				
Units		ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L		
Trip Blank	03/17/1994	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
Trip Blank	06/16/1994	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
Trip Blank	09/22/1994	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
Trip Blank	12/15/1994	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
Trip Blank	03/30/1995	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
Trip Blank	06/20/1995	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
Trip Blank	09/20/1995	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
Trip Blank	12/06/1995	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
Trip Blank	03/21/1996	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-		
Trip Blank	06/21/1996	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-		
Trip Blank	09/06/1996	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-		
Trip Blank	12/19/1996	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-		
Trip Blank	03/17/1997	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-		
Trip Blank	06/11/1997	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-		
Trip Blank	09/17/1997	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-		
Trip Blank	12/11/1997	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-		
Trip Blank	03/12/1998	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-		
Trip Blank	06/23/1998	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-		
Trip Blank	09/01/1998	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-		
Trip Blank	12/30/1998	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.0	-	-	-	-	-	-	-	-	-	-	-		
Trip Blank	03/31/1999	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.0	-	-	-	-	-	-	-	-	-	-	-		
Trip Blank	06/14/1999	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-		

**GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 Foothill Boulevard
Oakland, California**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, pre-purge	Dissolved oxygen, post-purge	Oxidation reduction potential, pre-purge	Oxidation reduction potential, post-purge	Alkalinity, total (as CaCO3)	Ferrous Iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
Trip Blank	12/22/1999	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-
Trip Blank	06/23/2000	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-	-	-	-	-
Trip Blank	09/05/2000	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-	-	-	-	-
Trip Blank	12/04/2000	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-	-	-	-	-
Trip Blank	03/08/2001	-	-	-	-	-	<50.0	<0.500	<0.500	<0.500	<0.500	<2.500	-	-	-	-	-	-	-	-	-	-
Trip Blank	06/07/2001	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-	-	-	-	-
Trip Blank	09/13/2001	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-	-	-	-	-

Abbreviations and Notes:

TOC = Top of casing (Re-surveyed by Morrow Surveying, Inc on February 25, 2015, except C-7 and C-9)

DTW = Depth to water

GWE = Groundwater elevation

(ft-amsl) = Feet above mean sea level

ft = Feet

µg/L = Micrograms per liter

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics

VOCS = Volatile Organic Compounds

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylene

MTBE = Methyl tert-butyl ether

**GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 Foothill Boulevard
Oakland, California**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS		PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY			
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L	

-- = Not available or not applicable

<x = Not detected above laboratory method detection limit

J = Estimated value between method detection limit and laboratory reporting limit

* TOC elevation for C-10 was surveyed on September 26, 2003, by Virgil Chavez Land Surveying. The benchmark for this survey was a City of Oakland No. 1589, a cut square in the sidewalk at the mid-return at the west corner of High Street and Foothill Blvd., (Benchmark Elevation = 38.54 feet, NGVD 29).

** GWE corrected for the presence of LNAPL; correction factor: $[(TOC - DTW) + (LNAPL \times 0.80)]$.

1 Confirmation run.

2 Sample was analyzed past hold-time, the results should be considered as estimated.

3 ORC present in well.

4 Laboratory report indicates gasoline C6-C12.

5 Laboratory report indicates sample was originally analyzed within holding time. Re-analysis for confirmation or dilution was performed past the recommended holding time.

6 Laboratory report indicates hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.

7 BTEX and MTBE by EPA Method 8260.

8 Well development performed.

9 ORC removed from well.

10 TOC has been altered; unable to determine an accurate GWE.

11 Laboratory confirmed result.

12 Sampled annually.

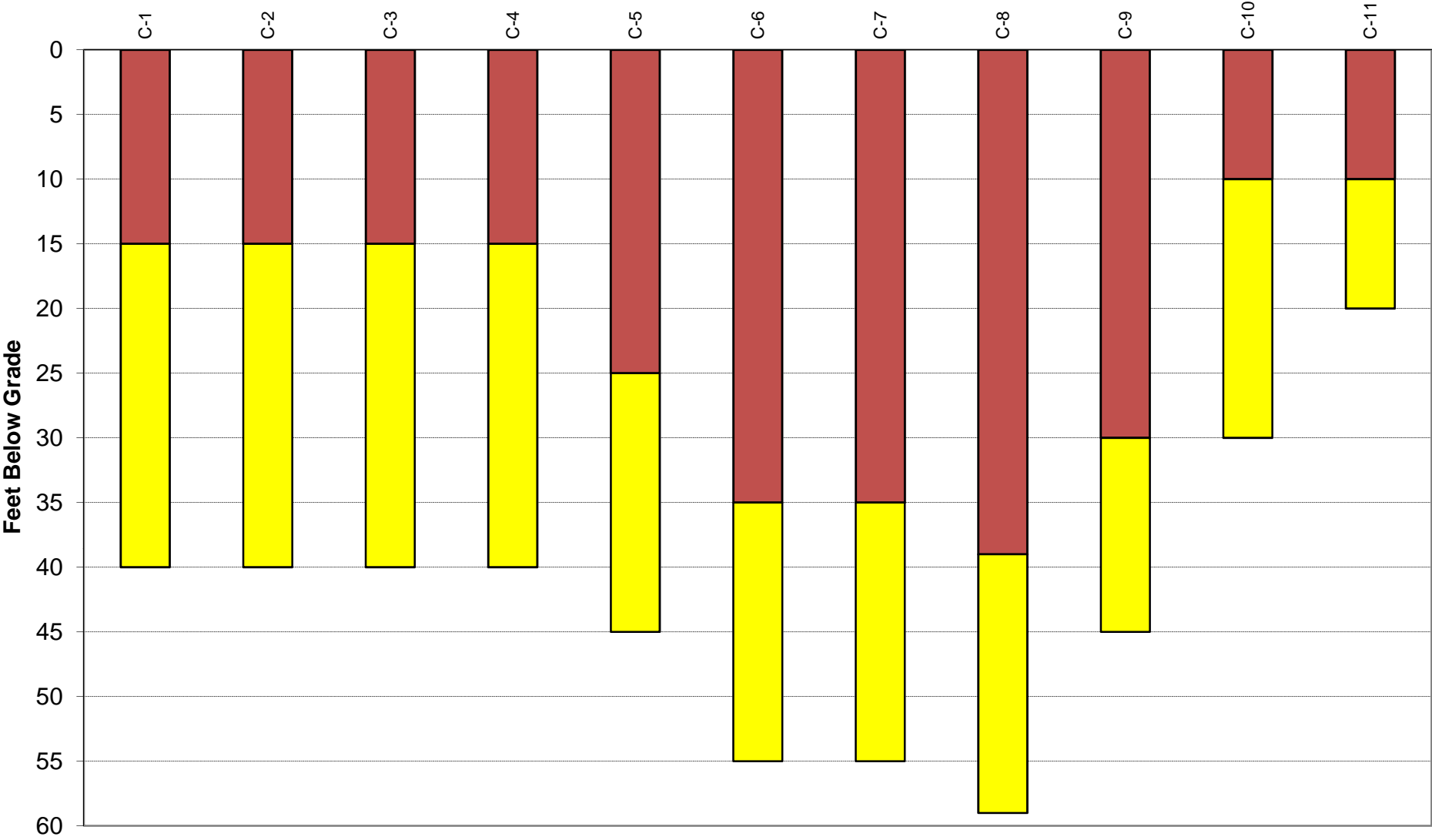
13 Inaccessible

14 Analyzed in part per billion (ppb)

TABLE 4
WELL CONSTRUCTION DETAILS
CHEVRON STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Well ID	Top of screen	Bottom of Screen	Screen Length	Diameter	Slot Size	Installation Date
C-1	15	40	25	3	0.020	8/13/1987
C-2	15	40	25	3	0.020	8/13/1987
C-3	15	40	25	3	0.020	8/13/1987
C-4	15	40	25	3	0.020	8/13/1987
C-5	25	45	20	2	0.020	8/1/1990
C-6	35	55	20	2	0.020	8/1/1990
C-7	35	55	20	2	0.020	7/31/1990
C-8	39	59	20	2	0.020	11/1/1990
C-9	30	45	15	2	0.020	7/10/1996
C-10	10	30	20	2	0.010	8/8/2003
C-11	10	20	10	2	0.020	2/3/2015

TABLE 4A
WELL CONSTRUCTION DETAILS
CHEVRON STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA



Appendix A

Regulatory Correspondences



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

July 9, 2014

Ms. Alexis Fischer
Chevron Environmental Management Company
6101 Bollinger Canyon Rd.
San Ramon, CA 94583
(sent via electronic mail to: AFischer@chevron.com)

Loi & Josephine Le
Loi V Le et al.
4265 Foothill Blvd.
Oakland, CA 94601

Subject: Conditional Work Plan Approval; Fuel Leak Case No. RO0000427 and GeoTracker Global ID T0600100339, Chevron #9-0076, 4265 Foothill Blvd, Oakland, CA 94601

Dear Ms. Fischer and Mr. and Ms. Le:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above referenced site including the *First Semi-Annual 2014 Groundwater Monitoring and Sampling Report*, dated May 12, 2014, and the *Updated Site Plan*, dated May 22, 2014. The reports were prepared and submitted on your behalf by Conestoga-Rovers & Associates (CRA). Thank you for submitting the reports.

ACEH has previously evaluated the data and recommendations presented in the above-mentioned reports, in conjunction with the case files, and the State Water Resources Control Board's (SWRCBs) Low Threat Underground Storage Tank Case Closure Policy (LTCP). Based on ACEH staff review, we have determined that the site fails to meet the LTCP e (Site Conceptual Model), f (Secondary Source Removal) and the Media-Specific Criteria for Groundwater, the Media-Specific Criteria for Vapor Intrusion to Indoor Air, and the Media-Specific Criteria for Direct Contact (see Geotracker for a copy of the updated LTCP checklist).

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) prior to the start of field activities.

TECHNICAL COMMENTS

1. **Work Plan Modifications** – The referenced work plan proposes a series of actions with which ACEH is in general agreement of undertaking; however, ACEH requests several modifications to the approach. Most of these modifications were contained in the November 21, 2013 directive letter, but not all. They are revisited here in order to minimize any confusion that could be caused by review of multiple documents. Should additional time be required due to permitting delays at the city of Oakland, please notify ACEH at an appropriate time. Otherwise, please submit a report by the date specified below.
 - a. **Source Area Investigation - Waste Oil Area** – As noted previously, a waste oil UST is documented to have been present at the site; however, waste oil analytical results are not reported, except incidentally in the text of a report (Weiss Associates, December 1990). The *Updated Site Plan* additionally proposed the installation of one soil bore in the former waste oil UST excavation. Therefore, please additionally analyze soil and groundwater samples for appropriate waste oil contaminants, including TPHg, TPHd, TPHmo, BTEX, MTBE, TAME, ETBE, DIPE, TBA, LUFT Metals [Cd, Cr, Pb, Ni, Zn], Chlorinated VOCs, SVOCs including naphthalene, PCBs, PAHs, Creosote, and etc). Please ensure representative shallow soil

samples (0 to 5, and 5 to 10 feet below grade surface [bgs]) are collected in order to address the Direct Contact criteria of the LTCP.

As identified before, if a copy of the UST removal report referenced in the Weiss Associates report (Blaine Tech, 1987) can be located and submitted, this may suit as an alternative to the installation of this soil bore; however, without knowledge of the completeness of the analytical data, the report may not be sufficient to eliminate this data gap.

- b. **Source Area Investigation - Dispenser Areas** – The *Updated Site Plan* additionally proposed the installation of four soil bores to investigate secondary sources that have been suggested or appear to be indicated in the vicinity of the former dispensers. Please ensure representative shallow soil samples (0 to 5, and 5 to 10 feet bgs) are collected in order to address the Direct Contact criteria of the LTCP.
- c. **Vapor Well Installation Depth** – The *Soil, Vapor Sampling, Preferential Pathway Study, and Work Plan*, dated September 14, 2012 indicates that vapor wells will be set at the depths of 5 and 15 feet bgs. Please install vapor wells to reflect the requirements of the LTCP (5 feet below the foundation, including the footing or basement) of existing buildings. Please document the depth of the foundations / footings / basement of adjacent residential structures in the report requested below.
- d. **Representative Shallow Soil Samples** – The work plan proposes clearing bore locations with a hand auger or an air knife to a depth of 8 feet bgs. As discussed in previous letters ACEH agrees that hand clearing soil bores is an important step, and recognizes that Chevron corporate preferences exist; however, ACEH requests the use of a hand auger for utility clearing of the bores, as the collection of representative shallow soil analytical data is particularly important under the LTCP, and is not possible with an air knife due to volatilization of target compounds resulting in low-biased analytical results.
- e. **Soil Selection Protocols** – The work plan proposes to collect soil samples at a minimum of five-foot intervals, and at signs of contamination, but does not specify the number of samples to be submitted to a laboratory. In addition, ACEH requests that soil samples be collected, and submitted for analysis, at signs of contamination (odor, discoloration, PID responses, etc.), at significant changes in lithology, and just above groundwater. Please recall that delineating the vertical extent of soil (and groundwater) contamination remains a requirement. Consequently in addition to the proposed soil samples please collect sufficient soil samples to define the vertical extent of soil contamination beneath the site. Please present your strategy to address these data gaps.

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 following specified file naming convention, and in Attachment 1, and schedule:

- **October 17, 2014** – Site Investigation Report and Updated Focused Site Conceptual Model
File to be named RO427_SWI_R_yyyy-mm-dd
- **November 21, 2014** – Second Semiannual Groundwater Monitoring Report
File to be named: RO427_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 does not appear on the cover page of this notification, ACEH is requesting you provide your email address so that we can correspond with you quickly and efficiently regarding your case.

Ms. Fischer and Mr. and Ms. Le
RO0000427
July 9, 2014, Page 3

Should you have any questions, please contact me at (510) 567--6876 or send me an electronic mail message at mark.detterman@acgov.org.

Sincerely,



Digitally signed by Mark E. Detterman
DN: cn=Mark E. Detterman, o, ou,
email, c=US
Date: 2014.07.09 17:09:41 -07'00'

Mark E. Detterman, PG, CEG
Senior Hazardous Materials Specialist

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

cc: Nathan Lee, Conestoga-Rovers & Assoc., 5900 Hollis Street, Suite A, Emeryville, CA 94608
(sent via electronic mail to NLee@croworld.com)

Kiersten Hoey, Conestoga-Rovers & Assoc., 5900 Hollis Street, Suite A, Emeryville, CA 94608;
(sent via electronic mail to KHoey@croworld.com)

Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Suite 3341, Oakland, CA
94612-2032 (sent via electronic mail to lgriffin@oaklandnet.com)

Dilan Roe, ACEH (Sent via E-mail to: dilan.roe@acgov.org)
Mark Detterman, ACEH, (sent via electronic mail to mark.detterman@acgov.org)
Geotracker, Electronic File

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/).

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.

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	REVISION DATE: May 15, 2014
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010, July 25, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	SUBJECT: 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
 - 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 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)
 - 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.

Hoey, Kiersten

From: Detterman, Mark, Env. Health [Mark.Detterman@acgov.org]
Sent: Tuesday, December 23, 2014 9:28 AM
To: Lee, Nathan
Cc: Roe, Dilan, Env. Health; Coulter, Alexis N; Hoey, Kiersten
Subject: RE: Chevron 90076 - 4265 Foothill Boulevard, Oakland - Schedule Update and Extension Request

Hi all,

The permitting process in Oakland is known to be very lengthy; however, it's been over a half year since the initial request.. Please use this email to document an extension to March 27, 2015.

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

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: Monday, December 22, 2014 4:35 PM
To: Detterman, Mark, Env. Health
Cc: Roe, Dilan, Env. Health; Coulter, Alexis N; Hoey, Kiersten
Subject: Chevron 90076 - 4265 Foothill Boulevard, Oakland - Schedule Update and 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 and Updated Site Conceptual Model* requested by Alameda County Environmental Health's (ACEH) in their letter dated July 9, 2014. This extension is requested due to the extensive process that is required to obtain encroachment, obstruction, and excavation permits from the City of Oakland to install the offsite wells. We are currently scheduled to conduct the field activities from February 2 through 6, 2015. Therefore an extension of **April 10, 2015** for the *Site Investigation Report and Updated Site Conceptual Model* is requested.

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

CRA and GHD have merged! To learn more, visit www.CRAworld.com/ghd

From: Detterman, Mark, Env. Health [<mailto:Mark.Detterman@acgov.org>]
Sent: Monday, March 23, 2015 2:50 PM
To: Lee, Nathan
Cc: Horne, Mark (MarkHorne)
Subject: RE: Chevron 90076 - 4265 Foothill Boulevard, Oakland - Extension Request

Mark and Nathan,
Please use this email to document ACEH concurrence with the requested extension and date.

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

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: Monday, March 23, 2015 2:44 PM
To: Detterman, Mark, Env. Health
Cc: Horne, Mark (MarkHorne)
Subject: Chevron 90076 - 4265 Foothill Boulevard, Oakland - 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 and Updated Site Conceptual Model* requested by Alameda County Environmental Health's (ACEH) in their letter dated July 9, 2014. This extension is requested due to the groundwater sampling event schedule. This site's groundwater is sampled in conjunction with the adjacent property, 4280 Foothill Boulevard, as part of the two site's cooperative monitoring. The groundwater analytical data for the newly installed monitoring well will not be available in time to incorporate into the Site Conceptual Model, based on the cooperative groundwater sampling date. As the Site Conceptual Model will be more complete with the groundwater data included, an extension of **April 17, 2015** for the *Site Investigation Report and Updated Site Conceptual Model* is requested.

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

Appendix B

Summary of Environmental Investigation and Remediation

SUMMARY OF ENVIRONMENTAL INVESTIGATION AND REMEDIATION CHEVRON STATION 90076

May 1987 Tank Removal and Replacement

In May 1987, Blaine Tech Services removed three (8,000-, 6,000-, and 3,000-gallon) steel fuel underground storage tanks (USTs) and one 1,000-gallon fiberglass used-oil UST. An unknown volume of excavated backfill material was aerated and reused onsite. Additional impacted soil was disposed of at a Chevron approved, non-hazardous landfill. Three 10,000-gallon double-walled fiberglass USTs were installed in the same excavation in June 1987. The used-oil UST was not replaced. Soil samples were collected beneath the former fuel USTs and use-oil UST. Details are available in Blaine Tech's August 14, 1987 *Product and Waste Oil Tank Removal*.

July 1987 Excavation

On July 8, 1987, during excavation work to install a sign along Foothill Boulevard, petroleum hydrocarbon Gettodors and a small amount of water with product sheen was reported in the excavated pit at 11 feet below grade (fbg). Details are available in Weiss Associates' (Weiss) December 18, 1990 *Subsurface Investigation Report*.

August 1987 Well Installation

In August 1987, Pacific Environmental Group, Inc. (PEG) oversaw the advancement of soil boring C-A and drilling/ installation of 3-inch diameter groundwater monitoring wells C-1 through C-4. Light non-aqueous phase liquid (LNAPL) at a measured thickness of greater than 2.0 feet was reported in well C-2. As a result, well C-2 was not sampled. Details are available in PEG's September 23, 1987 *Soil and Groundwater Investigation Report*.

July/August 1990 Monitoring Well Installation

In July and August 1990, Weiss oversaw the drilling /installation of 2-inch diameter wells C-5 through C-7. Well C-8 was subsequently installed in November 1990. No hydrocarbons were detected in soil samples collected from C-8. Weiss also conducted a well survey within a one-half mile radius of the site. Forty wells were identified within the search area. Of these, two were cathodic protection wells, one was identified as irrigation well and one other identified as industrial. The remaining 36 wells were identified as monitoring wells. The irrigation well was reported less than 0.75 miles upgradient of the site. No domestic or municipal water supply wells were identified within the search area. Based on depth to water measurements, Weiss suggested that groundwater beneath the site may be perched. Depth to water in onsite well C-4 and offsite well C-6 differed by approximately 14 feet in 1990. Details are available in Weiss's December 18, 1990 *Subsurface Investigation Report*.

November 1991 Groundwater Extraction

In an attempt to achieve hydraulic control of dissolved-phase hydrocarbons, Weiss began operating a groundwater extraction system in well C-2 in November 1991. The system operated until October 1993 and extracted approximately 10,200 gallons of impacted groundwater. System operations were terminated due to noise complaints from the neighbors and low flow rates. Details were obtained from Weiss's July 30, 1993 *Monthly Monitoring Report*.

July 1996 Well Installation

PEG oversaw the drilling/installation of 2-inch diameter well C-9 on July 10, 1996, downgradient of C-7, in the Albertson's supermarket parking lot (currently, a Mi Pueblo Supermarket). Details are available in PEG's October 2, 1996 *Off-Site Monitoring Well Installation Report*.

July 1997 Product Line Upgrades

In July 1997, Gettler-Ryan (G-R) collected soil samples during partial product piping replacement in conjunction with dispenser and UST containment upgrades. Soil was excavated beneath the dispensers to accommodate new containment requirements and beneath the product piping. Compliance soil samples PL1 through PL5 were collected at approximately 4 fbg. Approximately 46 tons of soil were excavated and disposed of offsite. Details are available in G-R's September 24, 1997, *Soil Sampling During Product Dispenser Upgrade and Partial Product Line Replacement Report*.

1998-2000 Site Conceptual Model and Risk-Based Corrective Action (RBCA) Plan

In May 1998, Delta Environmental Consultants, Inc. (Delta) completed a RBCA evaluation using analytic results from previous soil and groundwater assessment activities. This was followed by a site conceptual model (SCM) and proposed RBCA plan. The SCM indicated that the primary potential exposure receptors are current and future residents of properties near the intersection of High and Bond Streets and, possibly, workers and customers in the Albertson's parking lot. The only complete exposure pathway would be hydrocarbon volatilization from groundwater to outdoor and indoor air. Secondary potential exposure pathways are hydrocarbon volatilization from soil or direct dermal contact. A Tier 2 RBCA analysis was performed and showed that onsite and offsite representative concentrations exceeded the site-specific target levels for benzene. Delta concluded the adjacent residence with a basement may be at risk for benzene inhalation and recommended that site specific soil vapor samples be collected to evaluate current soil vapor levels. Delta also recommended continued use of oxygen releasing compound to enhance bioremediation and a continuation of over-purging C-1 through C-4. Details are available in Delta's July 28, 2000 *Site Conceptual Model and Risk-Based Corrective Action Plan*.

August 2003 Well Installation

In August 2003, Cambria Environmental Technology, Inc (Cambria) oversaw the drilling/installation of monitoring well C-10 in the eastern corner of the site to further evaluate subsurface conditions onsite and possible offsite impacts from the adjacent station. Details are available in Cambria's October 8, 2003 *Well Installation Report/Site Summary*.

November 2005 Vapor Probe Installation

In November 2005, Cambria oversaw the installation of soil vapor probes VP-1, VP-2, and VP-3 on the southern corner of the site to determine soil vapor concentrations along the downgradient property boundary. No formal report was submitted to the agency, detailing the work; however details of this investigation were submitted to ACEH on July 12, 2012.

August 2012 Soil Vapor Sampling and Preferential Pathway Study

In August 2012, Conestoga-Rovers & Associates (CRA) collected soil vapor samples from vapor probes VP-1, VP-2, and VP-3 to assess vapor conditions downgradient of well C-2. Hydrocarbons were only detected in the sample from VP-1. CRA also conducted a preferential pathway study. Based on historic groundwater monitoring and sampling data and depth of water, electrical, natural gas, and telecommunication utilities, it is unlikely that these utilities serve as preferential pathways. Sanitary

sewer and storm drain lines are generally gravity fed, installed at depths deeper than 10 fbg, and backfilled with native material (permeability likely similar to native soils). Based on this, although it is possible that the deeper sanitary sewer and/or storm drain lines may act as a preferential pathway during high groundwater conditions, these conditions are not typical. Additional information is available in CRA's September 14, 2012 *Soil Vapor Sampling, Preferential Pathway Study, and Work Plan*.

Appendix C

Boring Logs

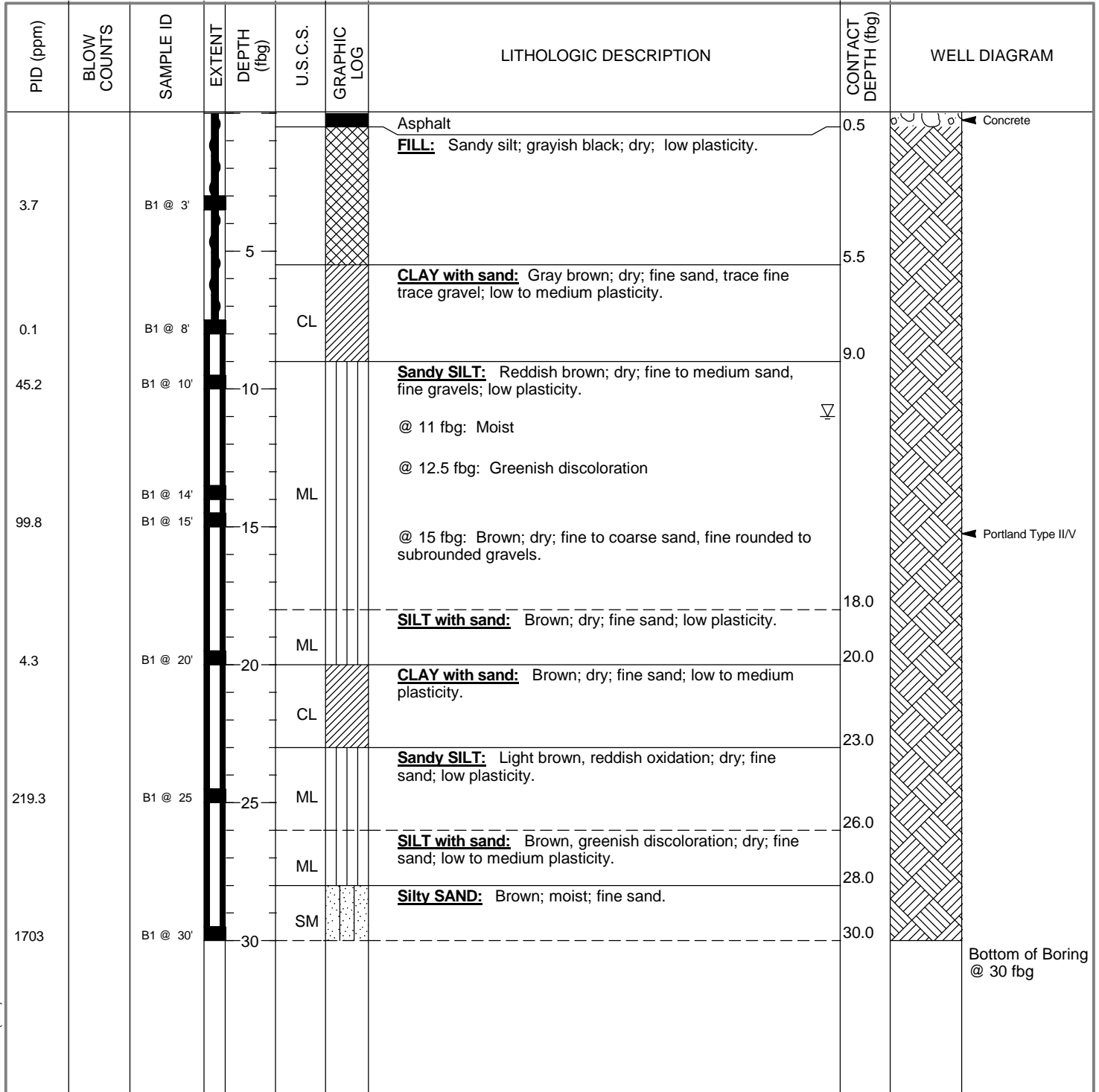


Conestoga Rovers & Associates
 5900 Hollis Street Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax:

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	B1
JOB/SITE NAME	90076	DRILLING STARTED	05-Feb-15
LOCATION	4265 Foothill Boulevard, Oakland, California	DRILLING COMPLETED	06-Feb-15
PROJECT NUMBER	311977	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Direct push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3"	SCREENED INTERVALS	NA
LOGGED BY	O. Yan	DEPTH TO WATER (First Encountered)	11.00 fbg
REVIEWED BY	N. Lee, PG# 8486	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 8 fbg		

WELL LOG (PID) \\SFO-S1\SHAREDCHEVRON\3119--311977 9-0076 OAKLAND\311977-BORING LOGS\311977-BORING LOGS.GPJ DEFAULT.GDT 3/30/15



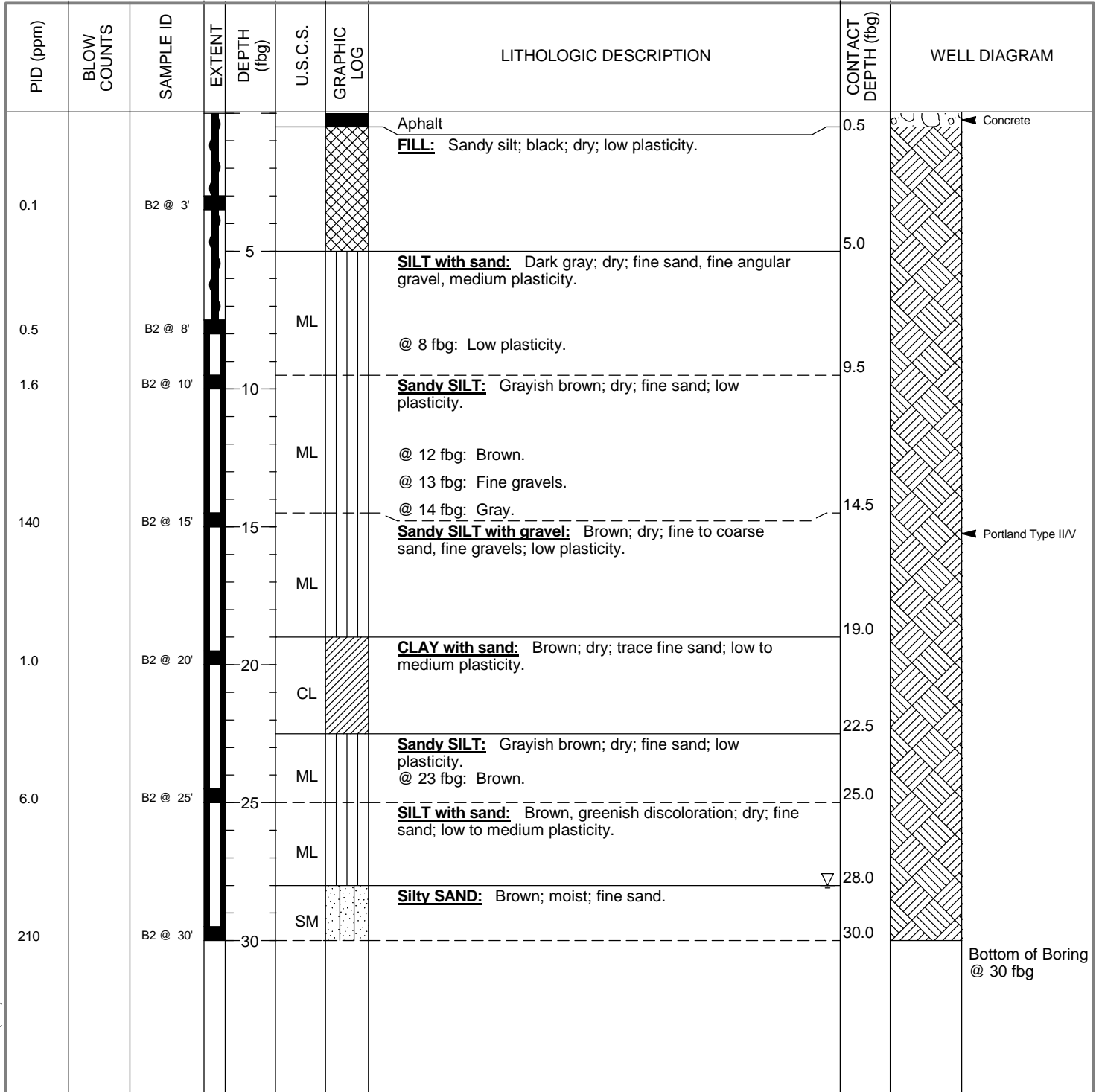


Conestoga Rovers & Associates
 5900 Hollis Street Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax:

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	B2
JOB/SITE NAME	90076	DRILLING STARTED	06-Feb-15
LOCATION	4265 Foothill Boulevard, Oakland, California	DRILLING COMPLETED	06-Feb-15
PROJECT NUMBER	311977	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Direct push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3"	SCREENED INTERVALS	NA
LOGGED BY	O. Yan	DEPTH TO WATER (First Encountered)	28.00 fbg
REVIEWED BY	N. Lee, PG# 8486	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 8 fbg		

WELL LOG (PID) \\SFO-S1\SHAREDCHEVRON\3119--311977 9-0076 OAKLAND\311977-BORING LOGS\311977-BORING LOGS.GPJ DEFAULT.GDT 3/30/15



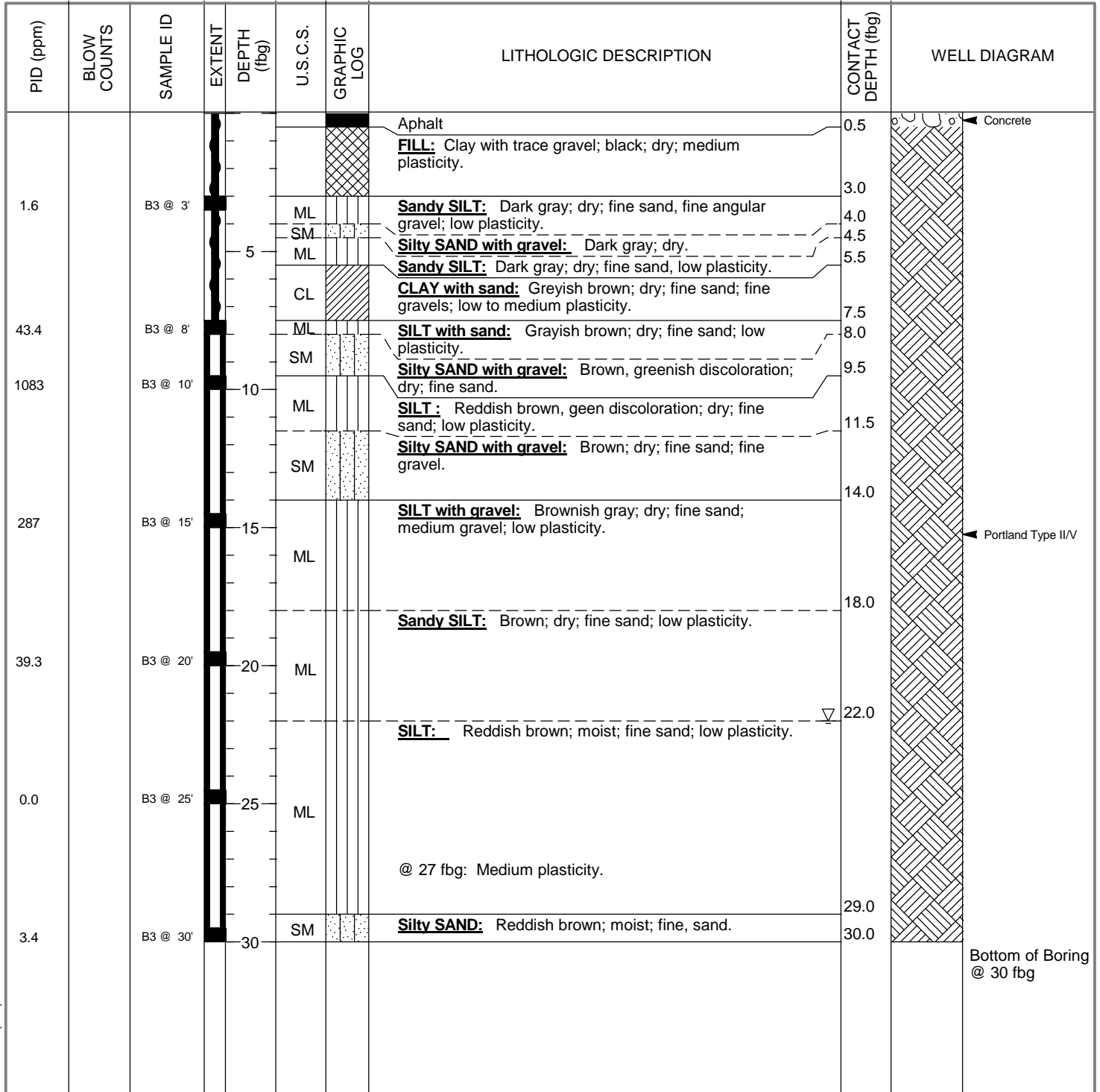


Conestoga Rovers & Associates
 5900 Hollis Street Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax:

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	B3
JOB/SITE NAME	90076	DRILLING STARTED	05-Feb-15
LOCATION	4265 Foothill Boulevard, Oakland, California	DRILLING COMPLETED	05-Feb-15
PROJECT NUMBER	311977	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Direct push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3"	SCREENED INTERVALS	NA
LOGGED BY	O. Yan	DEPTH TO WATER (First Encountered)	22.00 fbg
REVIEWED BY	N. Lee, PG# 8486	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 8 fbg		

WELL LOG (PID) \\SFO-S1\SHAREDCHEVRON\3119--\311977 9-0076 OAKLAND\311977-BORING LOGS\311977-BORING LOGS.GPJ DEFAULT.GDT 4/2/15





Conestoga Rovers & Associates
 5900 Hollis Street Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax:

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	B4
JOB/SITE NAME	90076	DRILLING STARTED	05-Feb-15
LOCATION	4265 Foothill Boulevard, Oakland, California	DRILLING COMPLETED	05-Feb-15
PROJECT NUMBER	311977	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Direct push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3"	SCREENED INTERVALS	NA
LOGGED BY	O. Yan	DEPTH TO WATER (First Encountered)	26.00 fbg
REVIEWED BY	N. Lee, PG# 8486	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 8 fbg		

WELL LOG (PID) \\SFO-S1\SHAREDCHEVRON\3119--\311977 9-0076 OAKLAND\311977-BORING LOGS\311977-BORING LOGS.GPJ DEFAULT.GDT 4/2/15

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				0.5			Aphalt	0.5	Concrete
0.1		B4 @ 3'		4.0			SILT with sand: Brown, oxidation stains, mottled; dry; fine to coarse sand; low plasticity.	4.0	
4.1		B4 @ 8'		5	ML				
131.8		B4 @ 10'		12.0			Silty SAND: Brown, greenish discoloration; dry; fine sand.	12.0	
90.1		B4 @ 15'		14.5	ML		Sandy SILT: Brown; dry; fine to medium sand, fine gravels; low plasticity.	14.5	Portland Type II/V
				17.0			SILT with sand: Brown; dry; low plasticity.	17.0	
575		B4 @ 20'		22.0	ML				
				22.0			CLAY with sand: Brown; dry; medium plasticity.	22.0	
12.3		B4 @ 25'		26.0	CL			26.0	
				26.0			Silty SAND: Brownish gray; moist; fine sand.	26.0	
9.5		B4 @ 30'		30.0	SM			30.0	Bottom of Boring @ 30 fbg



Conestoga Rovers & Associates
 5900 Hollis Street Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax:

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	B5
JOB/SITE NAME	90076	DRILLING STARTED	04-Feb-15
LOCATION	4265 Foothill Boulevard, Oakland, California	DRILLING COMPLETED	04-Feb-15
PROJECT NUMBER	311977	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Direct push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3"	SCREENED INTERVALS	NA
LOGGED BY	O. Yan	DEPTH TO WATER (First Encountered)	16.00 fbg
REVIEWED BY	N. Lee, PG# 8486	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 8 fbg		

WELL LOG (PID) \\SFO-S1\SHAREDCHEVRON\3119--311977 9-0076 OAKLAND\311977-BORING LOGS\311977-BORING LOGS.GPJ DEFAULT.GDT 4/2/15

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				0.5		Asphalt		0.5	Concrete
0.1		B5 @ 3'		5	CL		CLAY: Dark gray; dry; fine sand, trace gravel; low to medium plasticity.	4.0	
0.0		B5 @ 8'		7.0	GM		Silty GRAVEL with sand: Brown; dry; fine to coarse sand, fine subangular to rounded gravels.	7.0	
0.0		B5 @ 10'		9.0	ML		SILT with sand: Brown, black mottling, green discoloration; dry; fine sand; low plasticity.	9.0	
				12.0	SM		Silty SAND with gravel: Brown; moist; fine to coarse sand, fine gravels, subrounded to rounded.	12.0	
2,700		B5 @ 15'		15.0	SM		Silty SAND: Brown; moist; fine to coarse sand; subrounded to rounded fine gravels.	15.0	
				16.5			SILT with sand: Brown; moist; fine sand; low plasticity.	16.5	Portland Type II/V
384		B5 @ 20'		20.0	ML		Sandy SILT: Brown; moist; fine to medium sand; low plasticity.	20.0	
				23.0			SILT with sand: Brown, oxidation staining; dry; low plasticity.	23.0	
81		B5 @ 25'		25.0	ML			25.0	
3.3		B5 @ 30'		29.0	SM		Silty SAND: Brown; moist; fine sand.	29.0	
				30.0				30.0	Bottom of Boring @ 30 fbg



Conestoga Rovers & Associates
 5900 Hollis Street Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax:

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	B6
JOB/SITE NAME	90076	DRILLING STARTED	06-Feb-15
LOCATION	4265 Foothill Boulevard, Oakland, California	DRILLING COMPLETED	06-Feb-15
PROJECT NUMBER	311977	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Direct push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3"	SCREENED INTERVALS	NA
LOGGED BY	O. Yan	DEPTH TO WATER (First Encountered)	22.50 fbg
REVIEWED BY	N. Lee, PG# 8486	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 8 fbg		

WELL LOG (PID) \\SFO-S1\SHARES\CHEVRON\3119--311977 9-0076 OAKLAND\311977-BORING LOGS\311977-BORING LOGS.GPJ DEFAULT.GDT 4/2/15

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0.1		B6 @ 3'		0.5			Asphalt FILL: Silt with sand; black.	0.5	
5.5		B6 @ 8'		5.0	ML		SILT with sand: Dark gray; dry; fine sand; medium plasticity. @ 8 fbg: Light brown.	5.0	
657		B6 @ 10'		10.0	SM		Silty SAND: Light brown, greenish discoloration; dry; fine to medium sand.	10.0	
3,667		B6 @ 15'		13.0	ML		SILT with sand: Light brown; dry; fine sand; low to medium plasticity.	13.0	
1,588		B6 @ 20'		14.5	ML		Sandy SILT: Grayish brown; dry; fine to medium sand; low plasticity.	14.5	
1,888		B6 @ 25'		20.5	CL		CLAY with sand: Grayish brown; dry; fine sand; low to meium plasticity.	20.5	
				22.5	SM		Silty SAND: Brownish gray; moist; fine sand; trace fine gravel.	22.5	
		B6 @ 25'		24.5	ML		SILT with sand: Brown; moist; fine sand; low to medium plasticity.	24.5	
				27.5	CL		CLAY with sand: Brownish gray; moist; fine sand; low plasticity.	27.5	
97.8		B6 @ 30'		29.0	ML		Sandy SILT: Brownish gray; moist; fine sand; low plasticity.	29.0	
				30.0				30.0	Bottom of Boring @ 30 fbg



Conestoga Rovers & Associates
 5900 Hollis Street Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax:

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	C-11
JOB/SITE NAME	90076	DRILLING STARTED	02-Feb-15
LOCATION	4265 Foothill Boulevard, Oakland, California	DRILLING COMPLETED	03-Feb-15
PROJECT NUMBER	311977	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hollow-stem auger and Direct Push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3" and 8"	SCREENED INTERVALS	10 to 20 fbg
LOGGED BY	O. Yan	DEPTH TO WATER (First Encountered)	14.50 fbg
REVIEWED BY	N. Lee, PG# 8486	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 8 fbg		

WELL LOG (PID) \\SFO-S1\SHAREDCHEVRON\3119--\311977 9-0076 OAKLAND\311977-BORING LOGS\311977-BORING LOGS.GPJ DEFAULT.GDT 4/2/15

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				0.8			Concrete	0.8	
				1.5			FILL: Roadbase	1.5	2" diam., Schedule 40 PVC
0.1		C-11 @ 3'		4.0	ML		SILT: Tannish brown, reddish oxidation; moist; fine sand, fine gravels, medium plasticity.	4.0	Portland Type II/V
				5.0	ML		SILT with sand: Tannish brown; dry; fine sand; low plasticity.	5.0	
				7.0	SM		Silty SAND with gravel: Tannish brown; dry; fine to coarse sand, fine rounded to subangular gravels.	7.0	Bentonite Seal
0.0		C-11 @ 8'		10.0	SM		Silty SAND: Tannish brown; dry; fine to medium sand.	10.0	Monterey Sand #3
0.0		C-11 @ 10'		14.5	ML		SILT: Brown; moist; fine sand; low plasticity.	14.5	2"-diam., 0.020" Slotted Schedule 40 PVC
0.1		C-11 @ 15'		19.0	SM		Silty SAND: Brown, reddish oxidation; wet; fine to coarse sand.	19.0	
0.1		C-11 @ 20'		22.0	ML		SILT with sand: Brown; moist; fine sand, organics; low plasticity.	22.0	Portland Type II/V
				25.0	ML		@ 25 fbg: Medium plasticity.	25.0	
0.1		C-11 @ 25'		27.0	ML			27.0	
				28.0	CL		CLAY: Brown; moist; fine trace sand; low plasticity	28.0	Bottom of Boring @ 28 fbg



Conestoga Rovers & Associates
 5900 Hollis Street Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax:

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	C-12
JOB/SITE NAME	90076	DRILLING STARTED	02-Feb-15
LOCATION	4265 Foothill Boulevard, Oakland, California	DRILLING COMPLETED	03-Feb-15
PROJECT NUMBER	311977	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Direct push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3"	SCREENED INTERVALS	NA
LOGGED BY	O. Yan	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	N. Lee, PG# 8486	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 8 fbg		

WELL LOG (PID) \\SFO-S1\SHARES\CHEVRON\3119--311977 9-0076 OAKLAND\311977-BORING LOGS\311977-BORING LOGS.GPJ DEFAULT.GDT 4/2/15

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				0.8			Concrete	0.8	<p>Concrete</p> <p>Portland Type II/V</p> <p>Bottom of Boring @ 30 fbg</p>
				1.5			FILL: Roadbase	1.5	
							SILT: Dark gray brown; dry; medium plasticity.		
0.0		C-12 @ 3'		5	ML		SILT with sand: Tannish brown; dry; fine sand, fine trace gravels; low plasticity.	5.0	
0.0		C-12 @ 8'			ML				
0.0		C-12 @ 10'		10	SM		Silty SAND: Light brown; dry; fine to coarse sand, fine gravels, angular to rounded.	9.5	
0.0		C-12 @ 15'		15			CLAY with sand: Brown; dry; fine to coarse sand, fine gravels; low plasticity.	15.0	
0.0		C-12 @ 20'		20	CL		@ 20 fbg: Fine to medium sand.		
0.0		C-12 @ 25'		25	ML		SILT: Brown; moist; fine to medium sand; medium plasticity.	24.0	
0.0		C-12 @ 30'		30			@ 29 fbg: Dry; low plasticity.	30.0	



Conestoga Rovers & Associates
 5900 Hollis Street Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax:

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	VP-4
JOB/SITE NAME	90076	DRILLING STARTED	05-Feb-15
LOCATION	4265 Foothill Boulevard, Oakland, California	DRILLING COMPLETED	05-Feb-15
PROJECT NUMBER	311977	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hand auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3"	SCREENED INTERVALS	NA
LOGGED BY	O. Yan	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	N. Lee, PG# 8486	DEPTH TO WATER (Static)	NA
REMARKS	Water encountered at approximately 6.5 fbg.		

WELL LOG (PID) \\SFO-S1\SHAREDCHEVRON\3119--311977 9-0076 OAKLAND\311977-BORING LOGS\311977-BORING LOGS.GPJ DEFAULT.GDT 3/30/15

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	
							SILT with sand: Black; dry; fine sand; low plasticity.		
					ML				
0.0		VP-4 @ 3'					Sandy SILT: Brown; moist; fine to medium sand; low plasticity.	3.0	
					ML				
				5			Silty SAND with gravel: Brown; moist; fine to coarse sand, fine gravel.	5.0	
0.0		VP-4 @ 6'			SM			6.0	
									Bottom of Boring @ 6 fbg



Conestoga Rovers & Associates
 5900 Hollis Street Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax:

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	VP-5
JOB/SITE NAME	90076	DRILLING STARTED	04-Feb-15
LOCATION	4265 Foothill Boulevard, Oakland, California	DRILLING COMPLETED	04-Feb-15
PROJECT NUMBER	311977	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hand auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3"	SCREENED INTERVALS	NA
LOGGED BY	O. Yan	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	N. Lee, PG# 8486	DEPTH TO WATER (Static)	NA
REMARKS	Water not encountered.		

WELL LOG (PID) \\SFO-S1\SHAREDCHEVRON\3119--311977 9-0076 OAKLAND\311977-BORING LOGS\311977-BORING LOGS.GPJ DEFAULT.GDT 3/30/15

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	
					ML		SILT with sand: Dark brown, black; dry; fine to medium sand; medium plasticity.		
0.9		VP-5 @ 3'					CLAY: Black; dry; trace fine sand; medium plasticity.	3.0	
0.8		VP-5 @ 6'		5	CL			6.0	
									Bottom of Boring @ 6 fbg

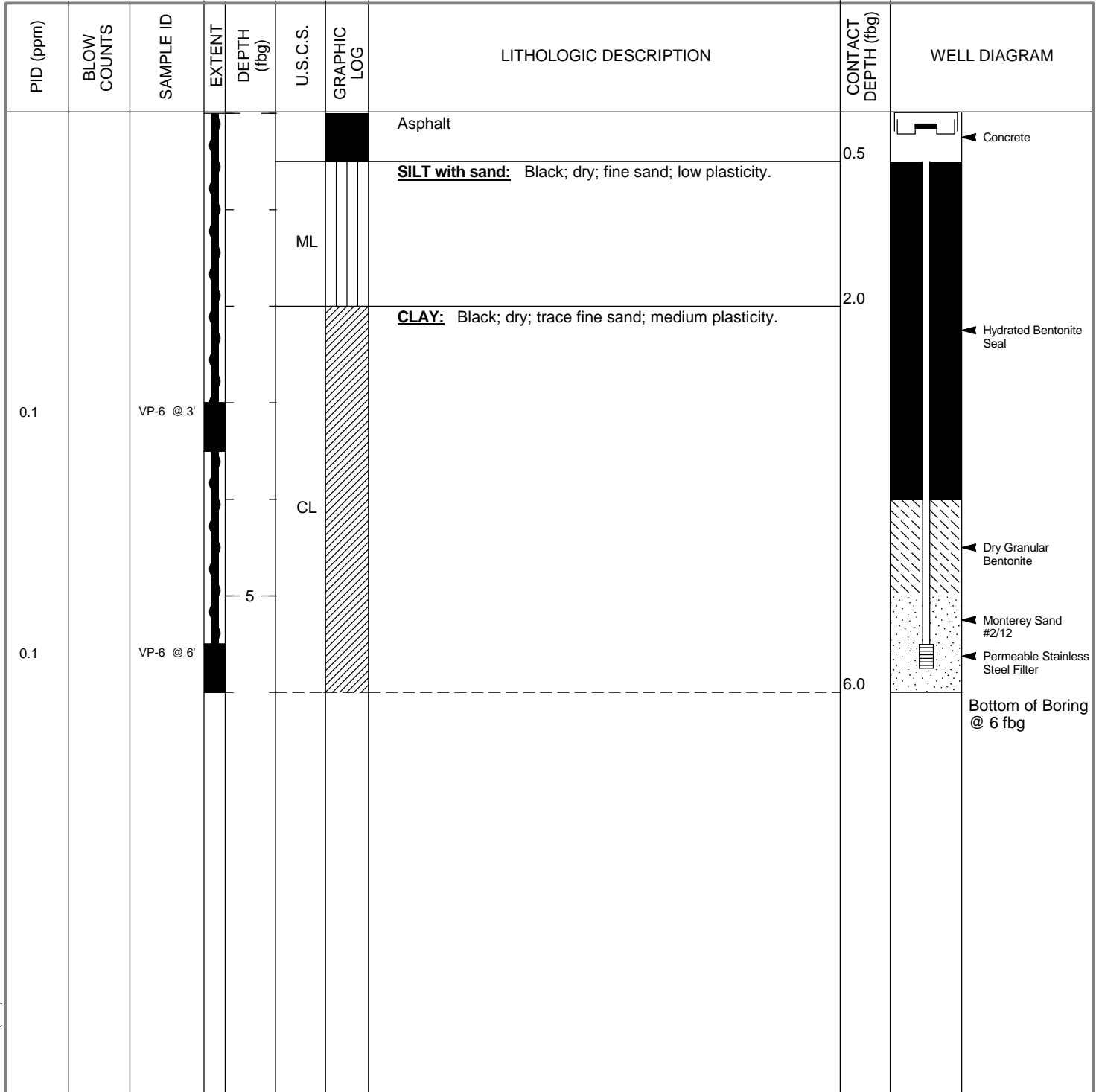


Conestoga Rovers & Associates
 5900 Hollis Street Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax:

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	VP-6
JOB/SITE NAME	90076	DRILLING STARTED	04-Feb-15
LOCATION	4265 Foothill Boulevard, Oakland, California	DRILLING COMPLETED	04-Feb-15
PROJECT NUMBER	311977	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hand auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3"	SCREENED INTERVALS	NA
LOGGED BY	O. Yan	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	N. Lee, PG# 8486	DEPTH TO WATER (Static)	NA
REMARKS	Water not encountered.		

WELL LOG (PID) \\SFO-S1\SHAREDCHEVRON\3119--\311977 9-0076 OAKLAND\311977-BORING LOGS\311977-BORING LOGS.GPJ DEFAULT.GDT 3/30/15



Appendix D

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: 05/21/2014 By jamesy

Permit Numbers: W2014-0515 to W2014-0518
Permits Valid from 11/26/2014 to 03/31/2015

Application Id: 1400266582464
Site Location: 4265 Foothill Boulevard
Oakland, California 94601
Project Start Date: 06/16/2014
Assigned Inspector: Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org
Extension Start Date: 11/26/2014
Extension Count: 1

City of Project Site:Oakland

Completion Date:06/20/2014

Extension End Date: 03/31/2015
Extended By: priest

Applicant: Conestoga-Rovers & Associates - Charley
Austin
2300 Clayton Road, Suite 920, Concord, CA 94520
Property Owner: Josephine Le
4265 Foothill Blvd, Oakland, CA 94601
Client: Chevron Environmental Management Company
n/a
6101 Bollinger Canyon Rd, Castro Valley, CA 94583
Contact: Charley Austin

Phone: 925-849-1017

Phone: --

Phone: --

Phone: 225-907-5910
Cell: --

Total Due: \$1324.00
Receipt Number: WR2014-0211 Total Amount Paid: \$1324.00
Payer Name : Conestoga-Rovers & Associates Paid By: CHECK PAID IN FULL

Works Requesting Permits:

Borehole(s) for Investigation-Environmental/Monitoring Study - 6 Boreholes
Driller: GREGG DRILLING & TESTING INC - Lic #: 485165 - Method: DPcpt

Work Total: \$265.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2014-0515	05/21/2014	09/14/2014	6	8.00 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. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting,

Alameda County Public Works Agency - Water Resources Well Permit

once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

5. 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.

6. 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.

7. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a 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.

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.

Well Construction-Monitoring-Monitoring - 2 Wells

Driller: GREGG DRILLING & TESTING INC - Lic #: 485165 - Method: hstem

Work Total: \$794.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2014-0516	05/21/2014	09/14/2014	C-11	8.00 in.	2.00 in.	6.00 ft	25.00 ft
W2014-0517	05/21/2014	09/14/2014	C-12	8.00 in.	2.00 in.	6.00 ft	25.00 ft

Specific Work Permit Conditions

1. 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.

2. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

3. 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 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.

Alameda County Public Works Agency - Water Resources Well Permit

4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Include permit number and site map.
5. Applicant shall submit the copies of the approved encroachment permit to this office within 10 days.
6. 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.
7. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.
8. Minimum surface seal thickness is two inches of cement grout placed by tremie.
9. Minimum seal (Neat Cement seal) depth for monitoring wells is 5 feet below ground surface(BGS) or the maximum depth practicable or 20 feet.
10. 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.

Well Construction-Vapor monitoring well-Vapor monitoring well - 3 Wells

Driller: GREGG DRILLING & TESTING INC - Lic #: 485165 - Method: Hand

Work Total: \$265.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2014-0518	05/21/2014	09/14/2014	VP-4	4.00 in.	0.25 in.	2.00 ft	15.00 ft
W2014-0518	05/21/2014	09/14/2014	VP-5	4.00 in.	0.25 in.	2.00 ft	15.00 ft
W2014-0518	05/21/2014	09/14/2014	VP-6	4.00 in.	0.25 in.	2.00 ft	15.00 ft

Specific Work Permit Conditions

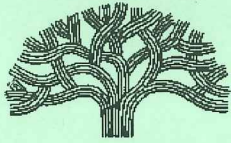
1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.
2. Compliance with the above well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate state reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days, including permit number and site map.
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,

Alameda County Public Works Agency - Water Resources Well Permit

properly damage, personal injury and wrongful death.

4. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.
5. 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 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.
6. No changes in construction procedures or well type shall change, as described on this permit application. This permit may be voided if it contains incorrect information.
7. Applicant shall submit the copies of the approved encroachment permit to this office within 10 days.
8. 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.
9. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.
10. 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.
11. Vapor monitoring wells above water level constructed with tubing maybe be backfilled with pancake-batter consistency bentonite. Minimum surface seal thickness is two inches of cement grout around well box.

Vapor monitoring wells above water level constructed with pvc pipe shall have a minimum seal depth (Neat Cement Seal) of 2 feet below ground surface (BGS). Minimum surface seal thickness is two inches of cement grout around well box. All other conditions for monitoring well construction shall apply.



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: X1500034 Excavation

Filed Date: 1/7/2015

Job Site: 4265 FOOTHILL BLVD

Schedule Inspection by calling 510-238-3444

Parcel No: 035 235200801

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

District:

Project Description: Install monitoring well C-6; see site plan. Ref: ENMI14097.
Contact K Hoey; CRA, 510-420-3347
Permit valid 90 days.
Call PWA INSPECTION prior to start: 510-238-3651. 4th FLOOR.

TO ALLOW ENCROACHMENT OF 2 MONITORING WELLS. ONE ON S/W OF BOND & HIGH ST & ONE ON S/E OF BOND & HIGH ST.

Related Permits: ENMI14097

	<u>Name</u>	<u>Applicant</u>	<u>Address</u>	<u>Phone</u>	<u>License #</u>
Owner:	LE LOI V ETAL		4265 FOOTHILL BLVD OAKLAND, CA		
Contractor-	GREGG DRILLING & TESTING	X	2726 WALNUT AVENUE SIGNAL HILL, CA	(562) 427-6899	485165
Employee:	INC				

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				

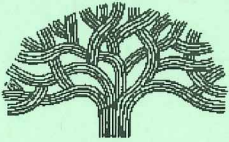
Plans Checked By _____ Date _____

Permit Issued By [Signature] Date 1.7

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



Permit No: X1500034

Parcel No: 035 235200801

Job Site: 4265 FOOTHILL BLVD

Page 2 of 2

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

CONSTRUCTION LENDING AGENCY DECLARATION

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 8172, Civil Code).

Lender's Name _____

Branch Designation _____

Lender's Address _____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

HAZARDOUS MATERIALS DECLARATION

I hereby affirm that the intended occupancy WILL WILL NOT use, handle or store any hazardous, or acutely hazardous, materials. (Checking "WILL" acknowledges that Sections 25505, 25533, and 25534 of the Health and Safety Code, as well as filing instructions were made available to you).

I HEREBY CERTIFY THE FOLLOWING: That I have read this document; that the above information is correct; and that I have truthfully affirmed all applicable declarations contained in this document. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

I hereby agree to save, defend, indemnify and keep harmless the City of Oakland and its officials, officers, employees, representatives, agents, and volunteers from all actions, claims, demands, litigation, or proceedings, including those for attorneys' fees, against the City in consequence of the granting of this permit or from the use or occupancy of the public right-of-way, public easement, or any sidewalk, street or sub-sidewalk or otherwise by virtue thereof, and will in all things strictly comply with the conditions under which this permit is granted I further certify that I am the owner of the property involved in this permit or that I am fully authorized by the owner to access the property and perform the work authorized by this permit.

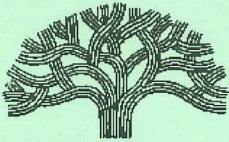
Name _____

Signature _____

Contractor, or Contractor's Agent

Date

NOTICE: No activities related to the approved work, including storage/use of materials, is allowed within the public right-of-way without an encroachment permit. Dust control measures shall be used throughout all phases of construction.



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: X1500035 Excavation

Filed Date: 1/7/2015

Job Site: 4265 FOOTHILL BLVD

Schedule Inspection by calling 510-238-3346

Parcel No: 035 235200801

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

District:

Project Description: Install monitoring well C-7; see site plan. Ref: ENMI14097.
Contact K Hoey; CRA, 510-420-3347
Permit valid 90 days.
Call PWA INSPECTION prior to start: 510-238-3651. 4th FLOOR.

TO ALLOW ENCROACHMENT OF 2 MONITORING WELLS. ONE ON S/W OF BOND & HIGH ST & ONE ON S/E OF BOND & HIGH ST.

Related Permits: X1500034

	<u>Name</u>	<u>Applicant</u>	<u>Address</u>	<u>Phone</u>	<u>License #</u>
Owner:	LE LOI V ETAL		4265 FOOTHILL BLVD OAKLAND, CA		
Contractor-	GREGG DRILLING & TESTING	X	2726 WALNUT AVENUE SIGNAL HILL, CA	(562) 427-6899	485165
Employee:	INC				

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				

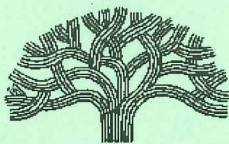
Plans Checked By _____ Date _____

Permit Issued By [Signature] Date 1.7

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



Permit No: X1500035

Parcel No: 035 235200801

Job Site: 4265 FOOTHILL BLVD

Page 2 of 2

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

CONSTRUCTION LENDING AGENCY DECLARATION

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 8172, Civil Code).

Lender's Name _____

Branch Designation _____

Lender's Address _____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

[] I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

[] I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

[] I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

HAZARDOUS MATERIALS DECLARATION

I hereby affirm that the intended occupancy [] WILL [] WILL NOT use, handle or store any hazardous, or acutely hazardous, materials. (Checking "WILL" acknowledges that Sections 25505, 25533, and 25534 of the Health and Safety Code, as well as filing instructions were made available to you).

I HEREBY CERTIFY THE FOLLOWING: That I have read this document; that the above information is correct; and that I have truthfully affirmed all applicable declarations contained in this document. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

I hereby agree to save, defend, indemnify and keep harmless the City of Oakland and its officials, officers, employees, representatives, agents, and volunteers from all actions, claims, demands, litigation, or proceedings, including those for attorneys' fees, against the City in consequence of the granting of this permit or from the use or occupancy of the public right-of-way, public easement, or any sidewalk, street or sub-sidewalk or otherwise by virtue thereof, and will in all things strictly comply with the conditions under which this permit is granted I further certify that I am the owner of the property involved in this permit or that I am fully authorized by the owner to access the property and perform the work authorized by this permit.

Name _____

Signature _____

[] Contractor, or [] Contractor's Agent Date

NOTICE: No activities related to the approved work, including storage/use of materials, is allowed within the public right-of-way without an encroachment permit. Dust control measures shall be used throughout all phases of construction.

JOB SITE

City of Oakland

Planning and Building Department

250 Frank H. Ogawa Plaza
510-238-4774

=====
844 Accela Permit 0.00 0.00

Permit Number: X1500035

Fee
Application Fee 71.00 71.00

Fee
Excavation - Private Party Type 309.00 309.00

Fee
Technology Enhancement Fee 19.95 19.95

Fee
Records Management Fee 36.10 36.10

844 Accela Permit 0.00 0.00

Permit Number: X1500034
Fee
Application Fee 71.00 71.00

Fee
Excavation - Private Party Type 309.00 309.00

Fee
Technology Enhancement Fee 19.95 19.95

Fee
Records Management Fee 36.10 36.10

Payer Name: CONESTOGA - ROVERS &
ASSOCIATES

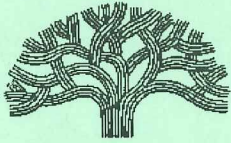
=====
SubTotal: 872.10
Total: 872.10
=====

Check
Number : 11742 872.10

1/7/2015 14:33
#0495774 /77/24

Thank You

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

JOB SITE

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: OB1500012 Obstruction

Filed Date: 1/7/2015

Job Site: 4265 FOOTHILL BLVD

Schedule Inspection by calling: 510-238-3444

Parcel No: 035 235200801

District:

Project Description: Block 25 s/w & reserve 75' (3 spaces in each location). Fee for two spaces, one each NO FEE per X1500034 & -0035. Total: 225'.

Note: disregard start/end dates shown below. They are listed only for invoicing purposes. Actual dates (Jan 12; ending Feb 02 & 03) are non-consecutive.

Install monitoring well C-7; see site plan. Ref: ENMI14097.

Contact K Hoey; CRA, 510-420-3347

Permit valid 90 days.

Call PWA INSPECTION prior to start: 510-238-3651. 4th FLOOR.

TO ALLOW ENCROACHMENT OF 2 MONITORING WELLS. ONE ON S/W OF BOND & HIGH ST & ONE ON S/E OF BOND & HIGH ST.

Related Permits: X1500035

	<u>Name</u>	<u>Applicant</u>	<u>Address</u>	<u>Phone</u>	<u>License #</u>
Owner:	LE LOI V ETAL		4265 FOOTHILL BLVD OAKLAND, CA		
Contractor-	GREGG DRILLING & TESTING	X	2726 WALNUT AVENUE SIGNAL HILL, CA	(562) 427-6899	485165
Employee:	-INC				

PERMIT DETAILS: Building/Public Use/Activity/Obstructions

Work Information

Start Date: 01/12/2015	Obstruction Permit Type:	Short Term (Max 14 Days)
End Date: 01/14/2015	Number of Meters (Metered Area):	
	Length Of Obstruction (Unmetered Area):	125

TOTAL FEES TO BE PAID AT FILING: \$378.39

Application Fee	\$71.00	Records Management Fee	\$31.33	Short Term Permits	\$258.75
Technology Enhancement Fee	\$17.31				

Plans Checked By _____ Date _____

Permit Issued By [Signature] Date 1/7

Finalized By _____ Date _____

JOB SITE

OAKLAND CA PARTS

City of Oakland

Planning and Building Department

250 Frank H. Ogawa Plaza
510-238-4774

=====		
844 Accela Permit	0.00	0.00
Permit Number: OB1500012		
Fee		
Application Fee	71.00	71.00
Fee		
Short Term Permits	258.75	258.75
Fee		
Technology Enhancement Fee	17.31	17.31
Fee		
Records Management Fee	31.33	31.33

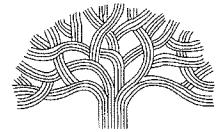
Payer Name: CONESTOGA - ROVERS &
ASSOCIATES INC.

=====	
SubTotal:	378.39
Total:	378.39
=====	
Check Number : 11827	378.39

1/7/2015 14:37
#0495777 /77/24

Thank You

CITY OF OAKLAND



Public Works Agency • 250 Frank H. Ogawa Plaza • Suite 4344 • Oakland, California 94612-2033
 Transportation Services Division

Office (510) 238-3466
 FAX (510) 238-7415
 TDD (510) 839-6451

Traffic Engineering Services Analysis Fee Invoice

Date: January 7, 2015

TSD Invoice # : 14-0231

To: Elizabeth Austin
 Company: Conestoga Rovers and Associates
 Address: 2300 Clayton Rd #920, Concord CA 94520
 Phone: 225-907-5910

Created/Received By: Joe Watson

Location	Description of Work	Project Name / Permit #	# of Hours *
Bond St at High St	Walk In TCP		1
Total Hours			1
TSD Service Rate			\$ 123.00
Total Fee			\$ 123.00

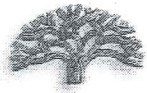
* - minimum 1 hour service

FOR CITY USE ONLY	
Cost Center No.	W045
Organization No.	30265
Account No.	45119
Fund No.	1750

Cc: Rosalie

APPLICATION FOR TRAFFIC CONTROL PLAN

Transportation Services Fee: \$123/hour (Check or Money Order Only)



City of Oakland

RECEIVED PUBLIC WORKS AGENCY TRAFFIC ENGINEERING 14 DEC 15 PM 1:03

Public Works Agency Transportation Services Division

- Check the box that apply: [] New Application (Utility, Excavation) [x] Renewal Application [] 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: Kiersten Hoey Phone: 510-420-3347

Name of Company: Conestoga - Rovers & Associates Fax: 510-420-9170

Address of Company: 5900 Hollis St. Suite A, Emeryville, CA 94608

Describe type of work to be performed: Install two ground water monitoring wells in parking lane or sidewalk (depending on utilities) of Bond St.

Location of work: intersection of Between: Bond St And: High St

Work date (s): Feb 2015 [x] Mon-Fri [] Sat-Sun Work Hours: 8 am to 5 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 [] Lane Closure [] Use of Median [] Sidewalk Closure [] Street Closures (must provide detour plan) [x] Use Parking Lane [] Sidewalk Closure (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.

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 For City website: http://www.oaklandpw.com/Page548.aspx

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

Manual on Uniform Traffic Control Devices (MUTCD)

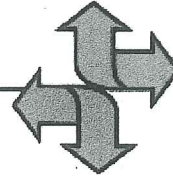
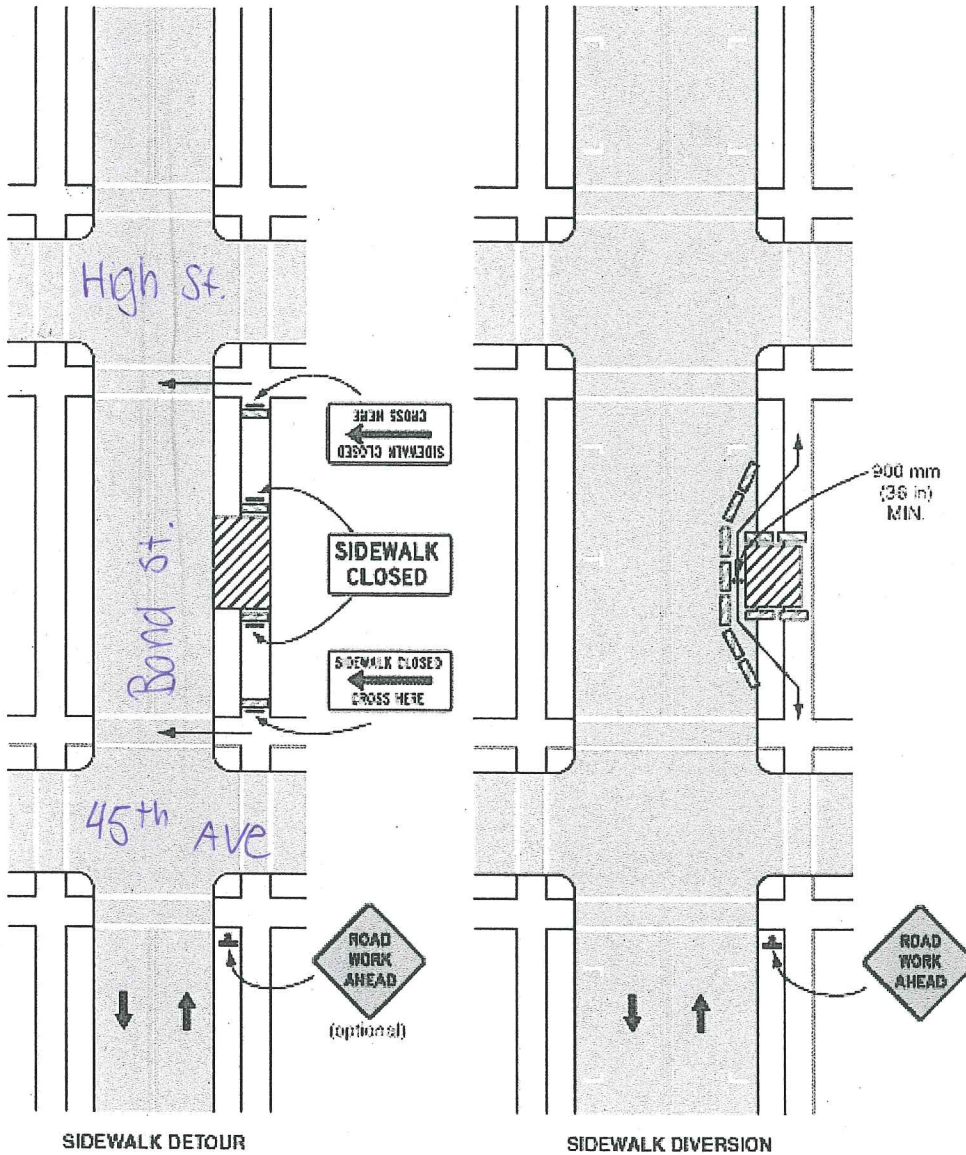


Figure 6H-28. Sidewalk Detour or Diversion (TA-28)

Knowledge



Typical Application 28

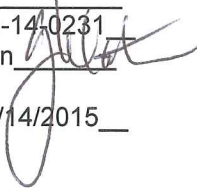
Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

APPROVED: *[Signature]*
Transportation Services Division
CITY OF OAKLAND

Figure 6H-28. Sidewalk Detour or Diversion (TA-28)

This figure illustrates two examples of a sidewalk detour or diversion. A legend under the figure states that this is Typical Application 28. A note states "Note: See Tables 6H-2 and 6H-3 for the meaning of the

SPECIAL PROVISION 7-10.1 TRAFFIC REQUIREMENTS

Project Name: _____
 Project Number: TSD-14-0231
 Reviewed By: JWatson 
 Date: 1/7/2015_
 Permit good from 1/14/2015_
 to 3/1/2015_

OB 1500012

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.

Where construction encroaches into the sidewalk area, a minimum of 5 ½ feet of unobstructed sidewalk shall be maintained at all times for pedestrian use. Pedestrian barricades, shelter, and detour signs per Caltrans standards may be required.

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
Bond Street between 45 th Ave and 42 nd Ave	Mon. – Fri. 7am – 4pm	N/A	Sidewalk Closure	N/A	N/A

Please contact and coordinate all work with City of Oakland Right of Way Inspection.

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.

Appendix E

Standard Field Procedures for Soil Borings, Well Installations, Soil Vapor Probe Installations, and Soil Vapor Sampling

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.

STANDARD FIELD PROCEDURES FOR SOIL VAPOR PROBE INSTALLATION AND SAMPLING

This document describes Conestoga-Rovers & Associates' 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)'s *Active Soil Gas Investigation Advisory* dated April 2012 and the *Vapor Intrusion Guidance* dated October 2011, 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 F

Well Development Data and Groundwater Monitoring Sheets



March 24, 2015

Chevron Environmental Management Company
Mark Horne
6101 Bollinger Canyon Rd.
San Ramon, CA 94583

First Quarter 2015 Monitoring at
Chevron Service Station 90076
4265 Foothill Blvd.
Oakland, CA

Monitoring performed on March 10, 2015

Blaine Tech Services, Inc. Groundwater Monitoring Event 150310-JO1

This submission covers the routine monitoring of groundwater wells conducted on March 10, 2015 at this location. Nine monitoring wells were measured for depth to groundwater (DTW). Nine monitoring wells were sampled. All sampling activities were performed in accordance with local, state and federal guidelines.

Water levels measurements were collected using an electronic slope indicator. All sampled wells were purged of three case volumes, depending on well recovery, or until water temperature, pH and conductivity stabilized. Purging was accomplished using electric submersible pumps, positive air displacement pumps, or stainless steel, Teflon, or disposable bailers. Subsequent sample collection and sample handling was performed in accordance with EPA protocols. Alternately, where applicable, wells were sampled utilizing no-purge methodology. All reused equipment was decontaminated in an integrated stainless steel sink with de-ionized water supplied Hotsy pressure washer and Liquinox or equivalent.

First Quarter Groundwater Monitoring at Chevron 90076, 4265 Foothill Blvd., Oakland, CA

SAN JOSE

SACRAMENTO

LOS ANGELES

SAN DIEGO

1680 ROGERS AVENUE

SAN JOSE, CA 95112-1105

(408) 573-0555

FAX (408) 573-7771

LIC. 746684

www.blainetech.com

Samples were delivered under chain-of-custody to Lancaster Laboratories of Lancaster, Pennsylvania, for analysis. Monitoring well purgewater and equipment rinsate water was collected and transported under bill-of-lading to Blaine Tech of San Jose, California.

Enclosed documentation from this event includes copies of the Well Gauging Sheet, Well Monitoring Data Sheets, and Chain-of-Custody.

Blaine Tech Services, Inc.'s activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrogeologic conditions or formulation of recommendations was performed.

Please call if you have any questions.

Sincerely,



Dustin Becker
Blaine Tech Services, Inc.
Senior Project Manager

attachments: SOP
Well Gauging Sheet
Individual Well Monitoring Data Sheets
Wellhead Inspection Form
Bill of Lading
Calibration Log

cc: Stantec
Attn: Nathan Lee
2300 Clayton Rd., Suite 920
Concord, CA 94520

First Quarter Groundwater Monitoring at Chevron 90076, 4265 Foothill Blvd., Oakland, CA

SAN JOSE

SACRAMENTO

LOS ANGELES

SAN DIEGO

1680 ROGERS AVENUE

SAN JOSE, CA 95112-1105

(408) 573-0555

FAX (408) 573-7771

LIC. 746684

www.blainetech.com



March 23, 2015

Chevron Environmental Management Company
Mark Horne
6101 Bollinger Canyon Rd.
San Ramon, CA 94583

First Quarter 2015 Monitoring at
Chevron Service Station 90076
4265 Foothill Blvd.
Oakland, CA

Monitoring performed on March 10, 2015

Blaine Tech Services, Inc. Groundwater Monitoring Event 150310-JO1

This submission covers the routine monitoring of groundwater wells conducted on March 21, 2014 at this location. Nine monitoring wells were measured for depth to groundwater (DTW). Nine monitoring wells were sampled. All sampling activities were performed in accordance with local, state and federal guidelines.

Water levels measurements were collected using an electronic slope indicator. All sampled wells were purged of three case volumes, depending on well recovery, or until water temperature, pH and conductivity stabilized. Purging was accomplished using electric submersible pumps, positive air displacement pumps, or stainless steel, Teflon, or disposable bailers. Subsequent sample collection and sample handling was performed in accordance with EPA protocols. Alternately, where applicable, wells were sampled utilizing no-purge methodology. All reused equipment was decontaminated in an integrated stainless steel sink with de-ionized water supplied Hotsy pressure washer and Liquinox or equivalent.

First Quarter Groundwater Monitoring at Chevron 90076, 4265 Foothill Blvd., Oakland, CA

SAN JOSE

SACRAMENTO

LOS ANGELES

SAN DIEGO

1680 ROGERS AVENUE

SAN JOSE, CA 95112-1105

(408) 573-0555

FAX (408) 573-7771

LIC. 746684

www.blainetech.com

Samples were delivered under chain-of-custody to Lancaster Laboratories of Lancaster, Pennsylvania, for analysis. Monitoring well purgewater and equipment rinsate water was collected and transported under bill-of-lading to Blaine Tech of San Jose, California.

Enclosed documentation from this event includes copies of the Well Gauging Sheet, Well Monitoring Data Sheets, and Chain-of-Custody.

Blaine Tech Services, Inc.'s activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrogeologic conditions or formulation of recommendations was performed.

Please call if you have any questions.

Sincerely,



Dustin Becker
Blaine Tech Services, Inc.
Senior Project Manager

attachments: SOP
Well Gauging Sheet
Individual Well Monitoring Data Sheets
Wellhead Inspection Form
Bill of Lading
Calibration Log

cc: Stantec
Attn: Nathan Lee
2300 Clayton Rd., Suite 920
Concord, CA 94520

First Quarter Groundwater Monitoring at Chevron 90076, 4265 Foothill Blvd., Oakland, CA

SAN JOSE

SACRAMENTO

LOS ANGELES

SAN DIEGO

1680 ROGERS AVENUE

SAN JOSE, CA 95112-1105

(408) 573-0555

FAX (408) 573-7771

LIC. 746684

www.blainetech.com

BLAINE TECH SERVICES, INC. METHODS AND PROCEDURES FOR THE ROUTINE MONITORING OF GROUNDWATER WELLS AT CHEVRON SITES

Blaine Tech Services, Inc. performs environmental sampling and documentation as an independent third party. We specialize in groundwater monitoring assignments and intentionally limit the scope of our services to those centered on the generation of objective information.

To avoid conflicts of interest, Blaine Tech Services, Inc. personnel do not evaluate or interpret the information we collect. As a state licensed contractor (C-57 well drilling –water – 746684) performing strictly technical services, we do not make any professional recommendations and perform no consulting of any kind.

SAMPLING PROCEDURES OVERVIEW

SAFETY

All groundwater monitoring assignments performed for Chevron comply with Chevron's safety guidelines, 29 CFR 1910.120 and SB-198 Injury and Illness Prevention Program (IIPP). All Field Technicians receive the full 40-hour 29CFR 1910.120 OSHA SARA HAZWOPER course, medical clearance and on-the-job training prior to commencing any work on any Chevron site.

INSPECTION AND GAUGING

Wells are inspected prior to evacuation and sampling. The condition of the wellhead is checked and noted according to a wellhead inspection checklist.

Standard measurements include the depth to water (DTW) and the total well depth (TD) obtained with industry standard electronic water level indicators that are graduated in increments of hundredths of a foot.

The water in each well is inspected for the presence of immiscibles. When free product is suspected, its presence is confirmed using an electronic interface probe (e.g. GeoTech). No samples are collected from a well containing product.

TRADITIONAL PURGING & SAMPLING

Evacuation

Depth to water measurements are collected by our personnel prior to purging and minimum purge volumes are calculated anew for each well based on the height of the water column and the diameter of the well. Expected purge volumes are never less than three case volumes and are set at no less than four case volumes in some jurisdictions.

Well purging devices are selected on the basis of the well diameter and the total volume to be evacuated. In most cases the well will be purged using an electric submersible pump (i.e. Grundfos) suspended near (but not touching) the bottom of the well.

Parameter Stabilization

Well purging completion standards include minimum purge volumes, but additionally require stabilization of specific groundwater parameters prior to sample collection. Typical groundwater parameters used to measure stability are electrical conductivity, pH, and temperature. Instrument readings are obtained at regular intervals during the evacuation process (no less than once per case volume).

Stabilization standards for routine quarterly monitoring of fuel sites include the following: Temperature is considered to have stabilized when successive readings do not fluctuate more than +/- 1 degree Celsius. Electrical conductivity is considered stable when successive readings are within 10%. pH is considered to be stable when successive readings remain constant or vary no more than 0.2 of a pH unit.

Sample Collection

All samples are collected using disposable bailers.

Sample Containers

Sample material is decanted directly from the sampling bailer into sample containers provided by the laboratory that will analyze the samples. The transfer of sample material from the bailer to the sample container conforms to specifications contained in the USEPA T.E.G.D. The type of sample container, material of construction, method of closure and filling requirements are specific to the intended analysis. Chemicals needed to preserve the sample material are commonly placed inside the sample containers by the laboratory or glassware vendor prior to delivery of the bottle to our personnel. The laboratory sets the number of replicate containers.

Dewatered Wells

Normal evacuation removes no less than three case volumes of water from the well. However, less water may be removed in cases where the well dewateres and does not immediately recharge.

Measuring Recharge

Upon completion of well purging, a depth to water measurement is collected and notated to ensure that the well has recharged to within 80% of its static, pre-purge level prior to sampling.

Wells that do not immediately show 80% recharge or dewatered wells will be allowed approximately 2 hours to recharge prior to sampling or will be sampled at site departure. All wells requiring off-site traffic control in the public right-of-way, the 80% recharge rule may be disregarded in the interests of Health and Safety. The sample may be collected as soon as there is sufficient water. The water level at time of sampling will be noted.

Dissolved Oxygen Measurements

Dissolved Oxygen readings are taken pre- and/or post-purge using YSI meters (e.g. YSI Model 550) or HACH field test kits.

The YSI meters are able to collect accurate in-situ readings. The probe allows downhole measurements to be taken from wells with diameters as small as two inches. The probe and reel is decontaminated between wells as described above. The meter is calibrated

as per the instructions in the operating manual. The probe is lowered into the water column and the reading is allowed to stabilize prior to collection.

Oxidation Reduction Potential Measurements (ORP)

All readings are obtained with either Corning or Myron-L meters (e.g. Corning ORP-65 or a Myron-L Ultrameter). The meter is cleaned between wells as described above. The meter is calibrated at the start of each day according to the instruction manual.

LOW FLOW SAMPLING USING SAMPLE-PRO BLADDER PUMP

Calibration

Calibrate YSI Flow Cell as per manufacturer's specifications. Thoroughly rinse probe and cup between parameters. Calibration order as follows:

1. pH (use 3-point calibration of 7, 4, 10)
2. Oxygen Reduction Potential (ORP)
3. Specific Conductance
4. Dissolved Oxygen (DO) (calibrate simulating 100% oxygen saturation)

Purging & Sampling Collection

1. Insert new bladder into Sample-Pro pump housing.
2. Remove dedicated PE tubing from the well or start with new PE tubing cut to the required length.
3. Attach the PE tubing to the Sample-Pro Bladder Pump.
4. Gently lower the Sample-Pro Bladder Pump, and PE tubing into the well, placing the Sample-Pro Bladder Pump intake at the center of the screened interval. Take care to minimize disturbance to the water column.
5. Direct effluent line into YSI 556 Flow Cell.
6. Set Sample-Pro Bladder Pump speed at 100 - 500 ml/min.
7. Collect water quality parameter measurements for temperature, pH, conductivity, turbidity, DO and ORP every 3-5 minutes.
8. Monitor drawdown during purging with electronic water level meter. Record water level with each parameter measurement. **MAXIMUM DRAWDOWN IS 0.33 FEET.**
9. Collect parameter measurements until stability is achieved. Stability is defined as three consecutive measurements where:

Temp	± 1 ° Celsius
pH	± 0.1
Conductivity	± 3%
Turbidity	± 10% NTU
DO	± 0.3 mg/l
ORP	± 10 Mv

10. Sample may be collected once stability is achieved and at least one system volume of water removed from the well.
11. Disconnect effluent line from YSI 556 Flow Cell.
12. Sample through effluent line while maintaining constant flow rate.
13. Remove Sample-Pro Bladder Pump, and PE tubing from well.
14. Detach and reinstall dedicated PE tubing in well.

PURGEWATER CONTAINMENT

All non-hazardous purgewater evacuated from each groundwater monitoring well is captured and contained in on-board storage tanks on the Sampling Vehicle and/or special water hauling trailers. Effluent from the decontamination of reusable apparatus (sounders, electric pumps and hoses etc.), consisting of groundwater combined with deionized water and non-phosphate soap, is also captured and pumped into effluent tanks.

Non-hazardous purgewater is transported under standard Bill of Lading or Non-Hazardous Waste Manifest to a Blaine Tech Services, Inc. facility before being transported to a Chevron approved disposal facility

TRIP BLANKS

Trip Blanks, if requested, are taken to the site and kept inside the sample cooler for the duration of the event. They are turned over to the laboratory for analysis with the samples from that site.

DUPLICATES

Duplicates, if requested, may be collected at a site.

SAMPLE STORAGE

All sample containers are promptly placed in food grade ice chests for storage in the field and transport (direct or via our facility) to the designated analytical laboratory. These ice chests contain quantities of restaurant grade ice as a refrigerant material. The samples are maintained in either an ice chest or a refrigerator until relinquished into the custody of the laboratory or laboratory courier.

DOCUMENTATION CONVENTIONS

A label must be affixed to all sample containers. In most cases these labels are generated by our office personnel and are partially preprinted. Labels can also be hand written by our field personnel. The site is identified with the store number and site address, as is the particular groundwater well from which the sample is drawn (e.g. MW-1, MW-2, S-1 etc.). The time and date of sample collection along with the initials of the person who collects the sample are handwritten onto the label. Field documentation is contemporaneous.

DECONTAMINATION

All equipment is brought to the site in clean and serviceable condition and is cleaned after use in each well and before subsequent use in any other well. Equipment such as hose reels, pumps and bailers is decontaminated before leaving the site.

The primary decontamination device is a commercial steam cleaner. The steam cleaner is de-tuned to function as a hot pressure washer that is then operated with high quality deionized water that is produced at our facility and stored onboard our sampling vehicle. Cleaning is

facilitated by the use of proprietary fixtures and devices included in the patented workstation (U.S. Patent 5,535,775) that is incorporated in each sampling vehicle.

Any sensitive equipment or parts (i.e. Dissolved Oxygen sensor membrane, water level indicator, etc.) that cannot be washed using the high pressure water, will be sprayed with a non-phosphate soap and deionized water solution and rinsed with deionized water.

FERROUS IRON MEASUREMENTS

All field measurements are collected at time of sampling with a HACH test kit.

WELL GAUGING DATA

Project # 150310-101 Date 3-10-15 Client Chenway

Site 4265 Foothill Blvd Oakland CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
C-1	0802	3					13.29	38.05	↓	
C-2	0811	3					17.04	36.33		
C-3	0758	3					21.16	39.20		
C-4	0815	3					11.42	36.25		
C-5	0819	3					20.35	44.19		
C-6	0807	2					21.81	53.63		
C-7	2		NO	ACCESS			→			
C-8	0825	2					25.06	56.06		
C-9	2		NO	ACCESS			→			
C-10	0754	2					9.30	29.93		
C-11	0750	2					9.95	19.52		

CHEVRON WELL MONITORING DATA SHEET

Project #: 150310-501	Station #: 9-0076
Sampler: 50	Date: 3-10-15
Weather: Overcast	Ambient Air Temperature: 63°F
Well I.D.: C-1	Well Diameter: 2 <u>3</u> 4 6 8
Total Well Depth: 38.05	Depth to Water: 13.29
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 18.24	

Purge Method: Disposable Bailer / Waterra / Peristaltic / Extraction Pump / Other _____

Sampling Method: Disposable Bailer / Bailer / Extraction Port / Dedicated Tubing / Other _____

$$9.1 \text{ (Gals.)} \times 3 = 27.3 \text{ Gals.}$$
 1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
0910	65.5	7.24	771	129	9.1	
		well	dewatered	10 gallons		
1215	65.5	7.16	784	26	—	

Did well dewater? Yes No Gallons actually evacuated: 10.0

Sampling Date: 3-10-15 Sampling Time: 1215 Depth to Water: 20.29 (site departure)

Sample I.D.: C-1 Laboratory: Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: See COC

Duplicate I.D.: _____ Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

D.O. (if req'd): Pre-purge: _____ mg/L Post-purge: _____ mg/L

O.R.P. (if req'd): Pre-purge: _____ mV Post-purge: _____ mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 150310-101	Station #: 9-0076
Sampler: 10	Date: 3-10-15
Weather: clear	Ambient Air Temperature: 63°
Well I.D.: C-2	Well Diameter: 2 (3) 4 6 8
Total Well Depth: 36.33	Depth to Water: 17.04
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 20.89	

Purge Method:

- Bailer
 Disposable Bailer
 Positive Air Displacement
 Electric Submersible
 Waterra
 Peristaltic
 Extraction Pump
 Other _____

Sampling Method:

- Bailer
 Disposable Bailer
 Extraction Port
 Dedicated Tubing
 Other: _____

7.1 (Gals.) X	3	= 21.3 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1030	66.6	6.94	877	120	7.1	odor/shreen
			well damaged	8.0	yellow	
1320	66.8	6.99	892	40	—	odor/shreen

Did well dewater? Yes No Gallons actually evacuated: 80

Sampling Date: 3-10-15 Sampling Time: 1320 Depth to Water: 24.36 (SIF departure)

Sample I.D.: C-2 Laboratory: Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: See coc

Duplicate I.D.: _____ Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 150310-J01	Station #: 9-0076
Sampler: Jo	Date: 3-10-15
Weather: Overcast	Ambient Air Temperature: 63°F
Well I.D.: C-3	Well Diameter: 2 3 4 6 8
Total Well Depth: 39.20	Depth to Water: 21.16
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 24.76	

Purge Method: Bailer Waterra Disposable Bailer Peristaltic Positive Air Displacement Extraction Pump Electric Submersible Other _____

Sampling Method: Bailer Disposable Bailer Extraction Port Dedicated Tubing Other: _____

6.6 (Gals.) X 3 = 19.8 Gals.
 I Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
0859	65.5	6.70	799	36	6.6	
0903	65.5	6.72	801	39	13.2	
		Well Dewatered		14.0 gallons		
1200	65.6	6.73	809	44	—	

Did well dewater? Yes No Gallons actually evacuated: 14.8

Sampling Date: 3-10-15 Sampling Time: 1200 Depth to Water: 23.29

Sample I.D.: C-3 Laboratory: Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: See IOC

Duplicate I.D.: _____ Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

D.O. (if req'd): Pre-purge: _____ mg/L Post-purge: _____ mg/L

O.R.P. (if req'd): Pre-purge: _____ mV Post-purge: _____ mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 15030 J01	Station #: 9-0076
Sampler: JO	Date: 3-10-15
Weather: clear	Ambient Air Temperature: 65°F
Well I.D.: C-4	Well Diameter: (2) 3 4 6 8
Total Well Depth: 36.25	Depth to Water: 11.42
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 16.38	

Purge Method:

- Bailer
 ~~Disposable Bailer~~
 Positive Air-Displacement
 Electric Submersible
 Waterra
 Peristaltic
 Extraction Pump
 Other _____

Sampling Method:

- Bailer
 Disposable Bailer
 Extraction Port
 Dedicated Tubing
 Other: _____

9.1 (Gals.) X 3 = 27.3 Gals.
 1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
1003	66.6	7.21	920	30	9.1	0006
		Well	Dewatered @	15 gallons		
1300	66.7	7.19	894	35	—	

Did well dewater? Yes No Gallons actually evacuated: 15

Sampling Date: 3-10-15 Sampling Time: 1300 Depth to Water: 20.36 (site depth/height)

Sample I.D.: C-4 Laboratory: Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: see COC

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd): Pre-purge: mg/L Post-purge: mg/L

O.R.P. (if req'd): Pre-purge: mV Post-purge: mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 150310-101	Station #: 9-0676
Sampler: Jo	Date: 3-10-15
Weather: overcast	Ambient Air Temperature: 65°F
Well I.D.: C-5	Well Diameter: (2) 3 4 6 8
Total Well Depth: 44.19	Depth to Water: 20.35
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 25.11	

Purge Method: Bailer Waterra
Disposable Bailer Peristaltic
 Positive Air Displacement Extraction Pump
 Electric Submersible Other _____

Sampling Method: Bailer
Disposable Bailer
 Extraction Port
 Dedicated Tubing
 Other: _____

3.8 (Gals.) X 3 = 11.4 Gals.
 I Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
0934	66.0	6.99	777	37	3.8	
0938	66.1	6.89	779	36	7.6	
0942	66.1	6.91	781	37	11.4	

Did well dewater? Yes No Gallons actually evacuated: 11.4

Sampling Date: 3-10-15 Sampling Time: 0950 Depth to Water: 23.93

Sample I.D.: C-5 Laboratory: Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: See Loc

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd): Pre-purge: _____ mg/L Post-purge: _____ mg/L

O.R.P. (if req'd): Pre-purge: _____ mV Post-purge: _____ mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 150310-501	Station #: 9-0076
Sampler: JD	Date: 3-10-15
Weather: Overcast	Ambient Air Temperature: 73°F
Well I.D.: C-6	Well Diameter: (2) 3 4 6 8 _____
Total Well Depth: 53.63	Depth to Water: 21.81
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 28.17	

Purge Method:

- Bailer
 Disposable Bailer
 Positive Air Displacement
 Electric Submersible
- Waterra
 Peristaltic
 Extraction Pump
 Other _____

Sampling Method:

- Bailer
 Disposable Bailer
 Extraction Port
 Dedicated Tubing
 Other: _____

5.0 (Gals.) X	3	= 15 Gals.
I Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
0922	65.6	7.24	912	98	50	
						Well dewatered
1230	66.0	7.52	922	60	75	gallies

Did well dewater? Yes No Gallons actually evacuated: 75

Sampling Date: 3-10-15 Sampling Time: 1230 Depth to Water: 22.97

Sample I.D.: C-6 Laboratory: Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: See CD

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd): Pre-purge: _____ mg/L Post-purge: _____ mg/L

O.R.P. (if req'd): Pre-purge: _____ mV Post-purge: _____ mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 5030-501	Station #: 9-0076
Sampler: J1	Date: 3-10-15
Weather: Overcast	Ambient Air Temperature: 7
Well I.D.: 4" C-7	Well Diameter: 2 3 4 6 8
Total Well Depth: _____	Depth to Water: _____
Depth to Free Product: _____	Thickness of Free Product (feet): _____
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: <input checked="" type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input checked="" type="checkbox"/> Positive Air Displacement <input checked="" type="checkbox"/> Electric Submersible <input type="checkbox"/> Waterra <input type="checkbox"/> Peristaltic <input type="checkbox"/> Extraction Pump <input type="checkbox"/> Other _____	Sampling Method: Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port <input type="checkbox"/> Dedicated Tubing <input type="checkbox"/> Other: _____
---	---

_____ (Gals.) X _____	=	_____ Gals.
I Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
	NO	Access - ACCESS		AGREEMENT		
	NO	Sample	taken			

Did well dewater? Yes No	Gallons actually evacuated: _____
Sampling Date: _____	Sampling Time: _____
Sample I.D.: _____	Depth to Water: _____
Sample I.D.: _____	Laboratory: Lancaster Other _____
Analyzed for: TPH-G BTEX MTBE OXYS Other: _____	
Duplicate I.D.: _____	Analyzed for: TPH-G BTEX MTBE OXYS Other: _____
D.O. (if req'd): _____	Pre-purge: _____ mg/L
O.R.P. (if req'd): _____	Post-purge: _____ mg/L
	Pre-purge: _____ mV
	Post-purge: _____ mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 150310-101	Station #: 9-0076
Sampler: JB	Date: 3-10-15
Weather: clear	Ambient Air Temperature: 65°
Well I.D.: C-8	Well Diameter: (2) 3 4 6 8
Total Well Depth: 56.06	Depth to Water: 25.06
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 31.26	

Purge Method:

- Bailer
 Disposable Bailer
 Positive Air Displacement
 Electric Submersible
 Waterra
 Peristaltic
 Extraction Pump
 Other _____

Sampling Method:

- Bailer
 Disposable Bailer
 Extraction Port
 Dedicated Tubing
 Other: _____

4.9 (Gals.) X	3	= 14.7 Gals.
I Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
1045	67.0	6.86	1268	126	4.9	
1050	67.8	6.84	1269	130	9.8	
1055	67.1	6.82	1270	134	14.7	

Did well dewater? Yes No Gallons actually evacuated: 14.7

Sampling Date: 3-10-15 Sampling Time: 1100 Depth to Water: 30.22

Sample I.D.: C-8 Laboratory: Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: sel COC

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd): Pre-purge: _____ mg/L Post-purge: _____ mg/L

O.R.P. (if req'd): Pre-purge: _____ mV Post-purge: _____ mV

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>9-150310-JU</u>	Station #: <u>9-0076</u>
Sampler: <u>JD</u>	Date: <u>3-10-15</u>
Weather: <u>Overcast</u>	Ambient Air Temperature: <u>65°F</u>
Well I.D.: <u>C-9</u>	Well Diameter: 2 3 4 6 8 _____
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: <ul style="list-style-type: none"> <input type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Positive Air Displacement <input type="checkbox"/> Electric Submersible 	Sampling Method: Bailer <ul style="list-style-type: none"> <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port <input type="checkbox"/> Dedicated Tubing Other: _____
<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Waterra <input checked="" type="checkbox"/> Peristaltic <input checked="" type="checkbox"/> Extraction Pump Other: _____ 	

_____ (Gals.) X _____	=	_____ Gals.
I Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
	<u>NO</u>	<u>ACCESS</u>	<u>- ACCESS</u>	<u>AGREEMENT</u>		
	<u>NO</u>	<u>Sample</u>	<u>taken</u>			

Did well dewater? Yes No	Gallons actually evacuated:
Sampling Date: _____	Sampling Time: _____
Sample I.D.: _____	Depth to Water: _____
Sample I.D.: _____	Laboratory: Lancaster Other _____
Analyzed for: TPH-G BTEX MTBE OXYS Other:	
Duplicate I.D.: _____	Analyzed for: TPH-G BTEX MTBE OXYS Other:
D.O. (if req'd):	Pre-purge: _____ mg/L Post-purge: _____ mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV Post-purge: _____ mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 150310-101	Station #: 9-0026
Sampler: JO	Date: 3-10-15
Weather: overcast	Ambient Air Temperature: 63°F
Well I.D.: C-10	Well Diameter: (2) 3 4 6 8
Total Well Depth: 29.83	Depth to Water: 9.30
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.40	

Purge Method:

- Bailer
 Disposable Bailer
 Positive Air Displacement
 Electric Submersible
 Waterra
 Peristaltic
 Extraction Pump
 Other _____

Sampling Method:

- Bailer
 Disposable Bailer
 Extraction Port
 Dedicated Tubing
 Other: _____

3.2 (Gals.) X 3 = 9.6 Gals.
I Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
0830	65.0	7.25	795	92	3.2	
0833	65.0	7.28	796	98	6.4	
0836	65.0	7.26	794	96	9.6	

Did well dewater? Yes No Gallons actually evacuated: 9.6

Sampling Date: 3-10-15 Sampling Time: 0840 Depth to Water: 13.29

Sample I.D.: C-10 Laboratory: (Lancaster) Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: See COC

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
------------------	------------	------	-------------	------

O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV
--------------------	------------	----	-------------	----

CHEVRON WELL MONITORING DATA SHEET

Project #: 150310-Jd	Station #: 9-0076
Sampler: Jd	Date: 3-10-15
Weather: clear	Ambient Air Temperature: 65°F
Well I.D.: C-11	Well Diameter: (2) 3 4 6 8
Total Well Depth: 19.52	Depth to Water: 9.95
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.86	

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other _____

Sampling Method:

- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

1.5 (Gals.) X	3	= 4.5 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1110	66.1	6.94	998	>1000	1.5	
1113	66.2	6.93	996	>1000	3.0	
1116	66.1	6.92	991	>1000	4.5	

Did well dewater? Yes (No) Gallons actually evacuated: 4.5

Sampling Date: 3-10-15 Sampling Time: 1120 Depth to Water: 10.16

Sample I.D.: C-11 Laboratory: Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: See COE

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
------------------	------------	------	-------------	------

O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV
--------------------	------------	----	-------------	----

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company 6111 Bollinger Canyon Rd. San Ramon, CA 94583 COC 1 of 1

Chevron Site Number: 20076
 Chevron Site Global ID: 10600100339
 Chevron Site Address: 4255 Foothill Blvd., Oakland, CA
 Chevron PM: Alexis Coultier
 Chevron PM Phone No.: (925)790-6441
 Retail and Terminal Business Unit (RTBU) Job
 Construction/Retail Job

Chevron Consultant: CRA
 Address: 2300 Clayton Rd., Suite 920, Concord, CA
 Consultant Contact: Nathan Lee
 Consultant Phone No. 925-849-1003
 Consultant Project No. 1503016
 Sampling Company: Blaine Tech Services
 Sampled By (Print): J. Oxtier
 Sampler Signature: [Signature]

Charge Code: NWR7B-0098247-0-OML
 NWR7B 00SITE NUMBER-0- WBS
 (WBS ELEMENTS:
 SITE ASSESSMENT: A1L REMEDIATION IMPLEMENTATION: R6L
 SITE MONITORING: OML OPERATION MAINTENANCE & MONITORING: M1L
 THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETELY.

Field Point Name	SAMPLE ID			Date (yy/mm/dd)	Container Type	# of Containers	Sample Time	Lancaster Laboratories <input checked="" type="checkbox"/> Lancaster, PA Lab Contact: Nicole Meljovec 2425 New Holland Pike, Lancaster, PA 17601 Phone No: (717)656-2300	Other Lab	Temp. Blank Check Time	Temp. % % % %
	Matrix	Top Depth									
C-1	W			150310	VOLS	6	1215				
C-2						6	1320				
C-3						6	1200				
C-4						6	1200				
C-5						6	0950				
C-6						6	1230				
C-8						6	1100				
C-10						6	0840				
C-11						6	1120				
DOA	T					2	0750				

Relinquished By: [Signature] Company: BBS Date/Time: 3-10-15 1505
 Relinquished To: [Signature] Company: BBS Date/Time: 3-10-15 1505

Relinquished By: [Signature] Company: BBS Date/Time: 3/11/15 1455
 Relinquished To: [Signature] Company: BBS Date/Time: 3/11/15 1455

Relinquished By: [Signature] Company: [Signature] Date/Time: 3-12-15
 Relinquished To: [Signature] Company: [Signature] Date/Time: 3-12-15

ANALYSES REQUIRED: EPA 413.1 OIL & GREASE EPA 418.1 TRPH EPA 8015 TPH-D EPA 8260 ETHANOL EPA 8015 BTEX EPA 8015 GRO EPA 8015 DRO EPA 8015 HC SCREEN EPA 6010 Ca, Fe, K, Mg, Mn, Na EPA 8021 BTEX EPA 8021 MTBE EPA 6010/7000 TITLE 22 METALS EPA 310.1 ALKALINITY EPA 150.1 PH SM2510B SPECIFIC CONDUCTIVITY

Preservation Codes: H = HCL T = Thiosulfate N = HNO3 B = NaOH S = H2SO4 O = Other
 10991
 1544814
 780970-79
 Special Instructions: Must meet 5.0 PPB detection limit by 8260

Notes/Comments: S

Turnaround Time: Standard Hours 24 Hours 48 hours 72 hours Other
 Sample Integrity: (Check by lab on arrival) Intact: On Ice: Temp: 2.1°C
 COC # 461107

* SHIPPED VIA UPS

WELLHEAD INSPECTION CHECKLIST

Client Chenoweth Date 3-10-15
 Site Address 24 4265 Foothill Blvd Oakland CA
 Job Number 150310-101 Technician JD

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12" or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12" or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
C-1	X	X	X							
C-2	X	X	X							
C-3	X	X	X					X		
C-4								X		
C-5	X	X	X							
C-6	X	X	X							
C-7	X	X	X					X		
C-8	X	X	X							
C-9	X	X	X					X		
C-10	X	X	X							
C-11	X	X	X							

NOTES: NO Access MC-7, MC-9, C-4 212 tabs stripped
C-3 - 112 Bolts

SOURCE RECORD **BILL OF LADING**
 FOR PURGEWATER RECOVERED FROM
 GROUNDWATER WELLS AT CHEVRON FACILITIES IN
 THE STATE OF CALIFORNIA. THE PURGE- WATER
 WHICH HAS BEEN RECOVERED FROM GROUND-
 WATER WELLS IS COLLECTED BY THE CONTRACTOR
 AND HAULED TO THEIR FACILITY IN SAN JOSE,
 CALIFORNIA FOR TEMPORARILY HOLDING PENDING
 TRANSPORT BY OTHERS TO FINAL DESTINATION.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BLAINE TECH), 1680 Rogers Ave. San Jose CA (408) 573-0555). BLAINE TECH. is authorized by Chevron Environmental Management Company (CHEVRON EMC) to recover, collect, apportion into loads, and haul the purgewater that is drawn from wells at the CHEVRON EMC facility indicated below and to deliver that purgewater to BLAINE TECH for temporarily holding. Transport routing of the purgewater may be direct from one CHEVRON EMC facility to BLAINE TECH; from one CHEVRON EMC facility to BLAINE TECH via another CHEVRON EMC facility; or any combination thereof. The well purgewater is and remains the property of CHEVRON EMC.

This Source Record **BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the Chevron facility described below:

9-0076
 CHEVRON # _____
 4265 Foothill Blvd. Oakland CA.
 street number street name city state

Mavis Collier
 Chevron Engineer

WELL I.D.	GALS.	WELL I.D.	GALS.
C-1	10.0	C-11	4.5
C-2	8.0		
C-3	14.0		
C-4	15.0		
C-5	11.4		
C-6	7.5		
C-8	14.7		
C-10	9.6		
added equip.		any other	
rinse water	1.0	adjustments	
TOTAL GALS.		loaded onto	
RECOVERED	140-95.7	BTS vehicle #	89

BTS event # _____ time _____ date _____
 150310-301 1400 3/10/15

Transporter signature _____

REC'D AT _____ time _____ date _____
 ASB 1500 3/10/15

Unloaded/received by
 signature _____

WELL GAUGING DATA

Project # 150303-DC1 Date 3/3/15 Client CHEVRON

Site 4265 FOOTHILL BLVD, OAKLAND, CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
C-11	0800	2					10.11	19.55	TOC	

WELL DEVELOPMENT DATA SHEET

Project #: 150303-DC1	Client: CHEVRON
Developer: DC	Date Developed: 3/3/15
Well I.D. C-11	Well Diameter: (circle one) <u>②</u> 3 4 6
Total Well Depth: Before 19.55 After 19.55	Depth to Water: Before 10.11 After 18.04
Reason not developed:	If Free Product, thickness: -
Additional Notations:	

Volume Conversion Factor (VCF): {12 x (d ² /4) x π} / 231	Well dia.	VCF
where	2"	= 0.16
12 = in / foot	3"	= 0.37
d = diameter (in.)	4"	= 0.65
π = 3.1416	6"	= 1.47
231 = in ³ /gal	10"	= 4.08
	12"	= 6.87

<u>1.5</u>	X	<u>10</u>	=	<u>15.0</u>
1 Case Volume		Specified Volumes		gallons

- Purging Device:
- Bailer Electric Submersible
 Suction Pump Positive Air Displacement

Type of Installed Pump _____
 Other equipment used 2" SURGE BLOCK

TIME	TEMP (F)	pH	Cond. (mS or μ S)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
0804	BEGIN	SURGING WELL				
0820	BEGIN	PURGING WELL				
0823	60.7	6.42	1029	809	1.5	CLOUDY
0825	64.2	6.53	1032	749	3.0	CLOUDY / SANDY
0828	63.9	7.34	1033	753	4.5	CLOUDY / SANDY
0830	64.3	6.70	1012	>1000	6.0	CLOUDY / SILTY
0833	63.8	6.73	1022	>1000	7.5	CLOUDY / SILTY
0833	WELL	DEWATERED		⊙	7.5	HARD BOTTOM REACHED
0905	SURGE	WELL				DTW: 16.44
0920	BEGIN	PURGING WELL		AGAIN		
0923	63.6	6.97	1118	>1000	9.0	CLOUDY / LITTLE SILTY
0925	64.8	7.05	1074	>1000	10.5	CLOUDY / LITTLE SILTY
0925	WELL	DEWATERED		⊙	10.5	STOP DEVELOPMENT
Did Well Dewater? YES		If yes, note above.		Gallons Actually Evacuated:		10.5

WELLHEAD INSPECTION CHECKLIST

Client CHEVRON Date 3/3/15

Site Address 4265 FOOTHILL BLVD, OAKLAND, CA

Job Number 150303-DC1 Technician DC

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
C-11	X				X			

NOTES: _____

SOURCE RECORD BILL OF LADING

FOR PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT CHEVRON FACILITIES IN THE STATE OF CALIFORNIA. THE PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR AND HAULED TO THEIR FACILITY IN SAN JOSE, CALIFORNIA FOR TEMPORARILY HOLDING PENDING TRANSPORT BY OTHERS TO FINAL DESTINATION.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BLAINE TECH), 1680 Rogers Ave. San Jose CA (408) 573-0555). BLAINE TECH. is authorized by Chevron Environmental Management Company (CHEVRON EMC) to recover, collect, apportion into loads, and haul the purgewater that is drawn from wells at the CHEVRON EMC facility indicated below and to deliver that purgewater to BLAINE TECH for temporarily holding. Transport routing of the purgewater may be direct from one CHEVRON EMC facility to BLAINE TECH; from one CHEVRON EMC facility to BLAINE TECH via another CHEVRON EMC facility; or any combination thereof. The well purgewater is and remains the property of CHEVRON EMC.

This Source Record **BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the Chevron facility described below:

9-00710
CHEVRON #
Alexis Coulter
Chevron Engineer
4265 Fremont Blvd Oakland CA
street number street name city state

WELL I.D. GALS. WELL I.D. GALS.

C-11 / ~~12.0~~ 10.5

added equip. _____
rinse water / 1.5 _____
any other adjustments / _____

TOTAL GALS. 12.0
RECOVERED 12.0 loaded onto
BTS vehicle # 35

BTS event # _____ time 1030 date 3/3/15

Transporter signature [Signature]

REC'D AT _____ time _____ date _____

Unloaded/received by
signature _____

Appendix G

Soil, Soil Vapor and Groundwater Analytical Laboratory Reports

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 17, 2015

Project: 90076

Submittal Date: 02/05/2015
Group Number: 1536164
PO Number: 0015164216
Release Number: FISCHER

State of Sample Origin: CA

<u>Client Sample Description</u>	<u>Lancaster Labs (LL) #</u>
C-11-S-3-150202 Grab Soil	7761887
C-11-S-8-150202 Grab Soil	7761888
C-12-S-3-150202 Grab Soil	7761889
C-12-S-8-150202 Grab Soil	7761890
C-11-S-10-150203 Grab Soil	7761891
C-11-S-15-150203 Grab Soil	7761892
C-11-S-20-150203 Grab Soil	7761893
C-11-S-25-150203 Grab Soil	7761894
C-12-S-10-150203 Grab Soil	7761895
C-12-S-15-150203 Grab Soil	7761896
C-12-S-20-150203 Grab Soil	7761897
C-12-S-25-150203 Grab Soil	7761898
C-12-S-30-150203 Grab Soil	7761899

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
Chevron
CRA

Attn: CRA EDD
Attn: Nathan Lee

Respectfully Submitted,

A handwritten signature in black ink that reads "Amek Carter". The signature is written in a cursive style with a long horizontal stroke at the end of the name.

Amek Carter
Specialist

(717) 556-7252

Sample Description: C-11-S-3-150202 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7761887
LL Group # 1536164
Account # 10880

Project Name: 90076

Collected: 02/02/2015 11:16 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/05/2015 09:10

Reported: 02/17/2015 18:36

F1103

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
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	Naphthalene	91-20-3	N.D.	0.001	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
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1	24.51

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B150371AA	02/06/2015 18:14	Chelsea B Stong	1
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 18:59	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201503636741	02/05/2015 18:59	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 18:56	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15041A34A	02/10/2015 12:38	Jeremy C Giffin	24.51
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 18:57	Mitchell R Washel	n.a.

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

Sample Description: C-11-S-8-150202 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7761888
LL Group # 1536164
Account # 10880

Project Name: 90076

Collected: 02/02/2015 12:45 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/05/2015 09:10

Reported: 02/17/2015 18:36

F1108

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
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	Naphthalene	91-20-3	N.D.	0.001	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
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B150371AA	02/06/2015 18:36	Chelsea B Stong	1.03
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 19:00	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201503636741	02/05/2015 19:00	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 18:53	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15041A34A	02/10/2015 13:14	Jeremy C Giffin	25.46
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 18:54	Mitchell R Washel	n.a.

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

Sample Description: C-12-S-3-150202 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7761889
LL Group # 1536164
Account # 10880

Project Name: 90076

Collected: 02/02/2015 14:30 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/05/2015 09:10

Reported: 02/17/2015 18:36

F1203

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	mg/kg	
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	Naphthalene	91-20-3	N.D.	0.001	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
GC Volatiles			SW-846 8015B modified	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1	24.3

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B150371AA	02/06/2015 18:58	Chelsea B Stong	1.07
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 18:59	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201503636741	02/05/2015 19:00	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 18:50	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15041A34A	02/10/2015 13:50	Jeremy C Giffin	24.3
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 18:51	Mitchell R Washel	n.a.

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

Sample Description: C-12-S-8-150202 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7761890
LL Group # 1536164
Account # 10880

Project Name: 90076

Collected: 02/02/2015 15:35 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/05/2015 09:10

Reported: 02/17/2015 18:36

F1208

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
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	Naphthalene	91-20-3	N.D.	0.001	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
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	A150421AA	02/11/2015 16:21	Chelsea B Stong	1.01
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 18:59	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201503636741	02/05/2015 18:59	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 18:45	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15041A34A	02/10/2015 14:26	Jeremy C Giffin	23.3
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 18:46	Mitchell R Washel	n.a.

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

Sample Description: C-11-S-10-150203 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7761891
LL Group # 1536164
Account # 10880

Project Name: 90076

Collected: 02/03/2015 08:30 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/05/2015 09:10

Reported: 02/17/2015 18:36

F1110

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
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	Naphthalene	91-20-3	N.D.	0.001	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
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	A150421AA	02/11/2015 16:44	Chelsea B Stong	1.01
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 18:59	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201503636741	02/05/2015 18:59	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 18:41	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15041A34A	02/10/2015 15:02	Jeremy C Giffin	24.93
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 18:42	Mitchell R Washel	n.a.

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

Sample Description: C-11-S-15-150203 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7761892
LL Group # 1536164
Account # 10880

Project Name: 90076

Collected: 02/03/2015 08:40 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/05/2015 09:10

Reported: 02/17/2015 18:36

F1115

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
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	Naphthalene	91-20-3	N.D.	0.001	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
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	0.9	23.58

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	A150421AA	02/11/2015 17:07	Chelsea B Stong	1.03
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 18:59	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201503636741	02/05/2015 18:59	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 17:37	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15041A34A	02/10/2015 15:38	Jeremy C Giffin	23.58
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 17:38	Mitchell R Washel	n.a.

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

Sample Description: C-11-S-20-150203 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7761893
LL Group # 1536164
Account # 10880

Project Name: 90076

Collected: 02/03/2015 08:50 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/05/2015 09:10

Reported: 02/17/2015 18:36

F1120

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
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	Naphthalene	91-20-3	N.D.	0.001	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
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1.0	25.2

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	A150421AA	02/11/2015 17:29	Chelsea B Stong	1
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 18:59	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201503636741	02/05/2015 18:59	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 17:34	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15041A34A	02/10/2015 16:14	Jeremy C Giffin	25.2
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 17:35	Mitchell R Washel	n.a.

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

Sample Description: C-11-S-25-150203 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7761894
LL Group # 1536164
Account # 10880

Project Name: 90076

Collected: 02/03/2015 09:00 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/05/2015 09:10

Reported: 02/17/2015 18:36

F1125

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
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	Naphthalene	91-20-3	N.D.	0.001	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
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	0.9	23.11

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	A150421AA	02/11/2015 17:52	Chelsea B Stong	1.04
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 18:59	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201503636741	02/05/2015 18:59	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 17:31	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15041A34A	02/10/2015 16:50	Jeremy C Giffin	23.11
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 17:32	Mitchell R Washel	n.a.

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

Sample Description: C-12-S-10-150203 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7761895
LL Group # 1536164
Account # 10880

Project Name: 90076

Collected: 02/03/2015 12:20 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/05/2015 09:10

Reported: 02/17/2015 18:36

F1210

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
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	Naphthalene	91-20-3	N.D.	0.001	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
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1	24.06

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	A150421AA	02/11/2015 18:15	Chelsea B Stong	1
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 18:59	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201503636741	02/05/2015 18:59	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 17:28	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15041A34A	02/10/2015 17:26	Jeremy C Giffin	24.06
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 17:29	Mitchell R Washel	n.a.

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

Sample Description: C-12-S-15-150203 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7761896
LL Group # 1536164
Account # 10880

Project Name: 90076

Collected: 02/03/2015 12:30 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/05/2015 09:10

Reported: 02/17/2015 18:36

F1215

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
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	Naphthalene	91-20-3	N.D.	0.001	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
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1.0	25.35

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	A150421AA	02/11/2015 18:37	Chelsea B Stong	1.03
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 18:59	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201503636741	02/05/2015 18:59	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 17:08	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15042A34A	02/11/2015 15:33	Jeremy C Giffin	25.35
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 17:09	Mitchell R Washel	n.a.

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

Sample Description: C-12-S-20-150203 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7761897
LL Group # 1536164
Account # 10880

Project Name: 90076

Collected: 02/03/2015 12:40 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/05/2015 09:10

Reported: 02/17/2015 18:36

F1220

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
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	Naphthalene	91-20-3	N.D.	0.001	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
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	0.9	23.72

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	A150421AA	02/11/2015 19:00	Chelsea B Stong	0.98
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 18:59	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201503636741	02/05/2015 18:59	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 17:05	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15042A34A	02/11/2015 16:09	Jeremy C Giffin	23.72
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 17:06	Mitchell R Washel	n.a.

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

Sample Description: C-12-S-25-150203 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7761898
LL Group # 1536164
Account # 10880

Project Name: 90076

Collected: 02/03/2015 12:55 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/05/2015 09:10

Reported: 02/17/2015 18:36

F1225

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
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	Naphthalene	91-20-3	N.D.	0.001	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
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1.0	25.03

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	A150421AA	02/11/2015 19:23	Chelsea B Stong	1.03
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 18:59	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201503636741	02/05/2015 18:59	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 17:02	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15042A34A	02/11/2015 16:45	Jeremy C Giffin	25.03
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 17:03	Mitchell R Washel	n.a.

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

Sample Description: C-12-S-30-150203 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7761899
LL Group # 1536164
Account # 10880

Project Name: 90076

Collected: 02/03/2015 13:10 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/05/2015 09:10

Reported: 02/17/2015 18:36

F1230

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
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	0.0009 J	0.0005	0.005	1.01
10237	Naphthalene	91-20-3	N.D.	0.001	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
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B150422AA	02/11/2015 22:25	Christopher G Torres	1.01
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 18:59	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201503636741	02/05/2015 18:59	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 16:58	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15042A34A	02/11/2015 17:21	Jeremy C Giffin	25.46
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201503636741	02/05/2015 16:59	Mitchell R Washel	n.a.

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

Quality Control Summary

Client Name: ChevronTexaco
Reported: 02/17/15 at 06:36 PM

Group Number: 1536164

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.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: A150421AA Sample number(s): 7761890-7761898									
Benzene	N.D.	0.0005	0.005	mg/kg	108		80-120		
Ethylbenzene	N.D.	0.001	0.005	mg/kg	106		80-120		
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	106		76-122		
Naphthalene	N.D.	0.001	0.005	mg/kg	104		64-120		
Toluene	N.D.	0.001	0.005	mg/kg	107		80-120		
Xylene (Total)	N.D.	0.001	0.005	mg/kg	106		80-120		
Batch number: B150371AA Sample number(s): 7761887-7761889									
Benzene	N.D.	0.0005	0.005	mg/kg	99	98	80-120	1	30
Ethylbenzene	N.D.	0.001	0.005	mg/kg	101	100	80-120	0	30
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	118	120	76-122	2	30
Naphthalene	N.D.	0.001	0.005	mg/kg	93	92	64-120	1	30
Toluene	N.D.	0.001	0.005	mg/kg	98	96	80-120	2	30
Xylene (Total)	N.D.	0.001	0.005	mg/kg	102	102	80-120	0	30
Batch number: B150422AA Sample number(s): 7761899									
Benzene	N.D.	0.0005	0.005	mg/kg	98	100	80-120	2	30
Ethylbenzene	N.D.	0.001	0.005	mg/kg	101	102	80-120	1	30
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	116	114	76-122	1	30
Naphthalene	N.D.	0.001	0.005	mg/kg	96	92	64-120	4	30
Toluene	N.D.	0.001	0.005	mg/kg	99	101	80-120	2	30
Xylene (Total)	N.D.	0.001	0.005	mg/kg	101	103	80-120	1	30
Batch number: 15041A34A Sample number(s): 7761887-7761895									
TPH-GRO N. CA soil C6-C12	N.D.	0.5	1.0	mg/kg	98	102	73-120	4	30
Batch number: 15042A34A Sample number(s): 7761896-7761899									
TPH-GRO N. CA soil C6-C12	N.D.	0.5	1.0	mg/kg	93	103	73-120	10	30

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: A150421AA Sample number(s): 7761890-7761898 UNSPK: P764552									
Benzene	106	90	55-143	25	30				
Ethylbenzene	95	75	44-141	33*	30				
Methyl Tertiary Butyl Ether	102	78	55-129	35*	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.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 02/17/15 at 06:36 PM

Group Number: 1536164

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Naphthalene	60	36	10-138	59*	30				
Toluene	102	84	50-146	28	30				
Xylene (Total)	94	72	44-136	36*	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: VOCs 8260 BTEX/MTBE/Naph Soil
Batch number: A150421AA

D	12-D	- 4	T	- 8	4-B
7761890	101	106	99		98
7761891	102	102	99		97
7761892	101	103	99		97
7761893	100	101	99		97
7761894	101	103	100		96
7761895	101	102	99		97
7761896	101	102	99		96
7761897	102	100	100		96
7761898	101	101	99		95
Blank	100	102	99		98
LCS	99	101	99		98
MS	100	102	101		97
MSD	100	103	101		99
Limits:	50-141	54-135	52-141		50-131

Analysis Name: VOCs 8260 BTEX/MTBE/Naph Soil
Batch number: B150371AA

D	12-D	- 4	T	- 8	4-B
7761887	115	105	95		93
7761888	117	107	94		94
7761889	115	102	95		92
Blank	115	106	95		96
LCS	113	107	97		100
LCSD	112	104	97		102
Limits:	50-141	54-135	52-141		50-131

Analysis Name: VOCs 8260 BTEX/MTBE/Naph Soil
Batch number: B150422AA

D	12-D	- 4	T	- 8	4-B
7761899	110	109	96		94
Blank	104	103	96		94
LCS	105	105	99		99
LCSD	104	103	98		98
Limits:	50-141	54-135	52-141		50-131

Analysis Name: TPH-GRO N. CA soil C6-C12

*- 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.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 02/17/15 at 06:36 PM

Group Number: 1536164

Surrogate Quality Control

Batch number: 15041A34A

T -F

7761887	75
7761888	74
7761889	78
7761890	72
7761891	70
7761892	69
7761893	70
7761894	73
7761895	68
Blank	85
LCS	90
LCSD	93

Limits: 50-142

Analysis Name: TPH-GRO N. CA soil C6-C12

Batch number: 15042A34A

T -F

7761896	71
7761897	73
7761898	76
7761899	74
Blank	88
LCS	85
LCSD	93

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.

Chevron California Region Analysis Request/Chain of Custody



Lancaster Laboratories

020415-02 Acct. # 10880
 GLOBAL ID # T0600 100339

For Lancaster Laboratories use only
 Group # 1536104 Sample # 761887-899
 Instructions on reverse side correspond with circled numbers.

1 Client Information				4 Matrix				5 Analyses Requested										6 Remarks	
Facility #		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 type="checkbox"/> Oil <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 8015 MOD DRO Silica Gel Cleanup 8260 Full Scan Oxygenates Total Lead Method Dissolved Lead Method NAPHTHALENE BY 8260 IS												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																			
Chevron PM		Lead Consultant																	
Consultant/Office																			
Consultant Project Mgr.																			
Consultant Phone #				Grab <input checked="" type="checkbox"/> Composite <input type="checkbox"/> Soil <input checked="" type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/>												7 Turnaround Time Requested (TAT) (please circle) Standard 5 day 4 day 72 hour 48 hour 24 hour			
Sample Identification		Collected																	
Sample				Relinquished by <i>[Signature]</i> Date 2/2/15 Time 1700 Received by CRA SECURE LOCATION Date 2/2/15 Time 1700 Relinquished by <i>[Signature]</i> Date 2/4/15 Time 12:30 Received by <i>[Signature]</i> Date 2/4/15 Time 1230												8 Data Package Options (please circle if required) Type I - Full Type VI (Raw Data) Relinquished by Commerical Carrier: UPS _____ FedEx _____ Other 1634 Received by 6 FX Temperature Upon Receipt 0.2-0.1°C Custody Seals Intact? Yes No			
C-11 @ 3'		2/2/15																	
C-11 @ 8'																			
C-12 @ 3'																			
C-12 @ 8'																			

Chevron California Region Analysis Request/Chain of Custody



Lancaster Laboratories Environmental

020415 1088
Acct. # 10880
GLOBAL ID # TD600100339

For Eurofins Lancaster Laboratories Environmental use only

Group # 536164 Sample # 101887-899

Instructions on reverse side correspond with circled numbers.

1 Client Information				4 Matrix				5 Analyses Requested												6 Remarks																																																																																																																																																																																																		
Facility # WBS CHEVRON 90076 07-11				Sediment <input type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/>				Total Number of Containers BTEX + MTBE 8021 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> TPH-GRO 8015 <input 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 NAPHTHALENE BY 8260 B												SCR #: _____																																																																																																																																																																																																		
Site Address 4265 FOOTHILL BLVD, OAKLAND, CA				Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air <input 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 Lead Consultant ALEXIS COULTER CRA				Composite <input checked="" type="checkbox"/> Soil <input type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/>				Total Lead Method Dissolved Lead Method NAPHTHALENE BY 8260 B												8021 MTBE Confirmation Confirm highest hit by 8260 Confirm all hits by 8260 Run _____ oxy's on highest hit Run _____ oxy's on all hits																																																																																																																																																																																																		
Consultant/Office EMERYVILLE, CA																																																																																																																																																																																																																						
Consultant Project Mgr. NATHAN LEE				Grab <input checked="" type="checkbox"/> Composite <input type="checkbox"/>				Total Lead Method Dissolved Lead Method NAPHTHALENE BY 8260 B												8021 MTBE Confirmation Confirm highest hit by 8260 Confirm all hits by 8260 Run _____ oxy's on highest hit Run _____ oxy's on all hits																																																																																																																																																																																																		
Consultant Phone # (925) 849-1003																																																																																																																																																																																																																						
Sampler O. YAN / A. BEERLING				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 NAPHTHALENE BY 8260 B				Total Lead Method Dissolved Lead Method NAPHTHALENE BY 8260 B												8021 MTBE Confirmation Confirm highest hit by 8260 Confirm all hits by 8260 Run _____ oxy's on highest hit Run _____ oxy's on all hits																																																																																																																																																																																																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Sample Identification</th> <th rowspan="2">Soil Depth</th> <th colspan="2">Collected</th> <th rowspan="2">Grab</th> <th rowspan="2">Composite</th> <th rowspan="2">Soil</th> <th rowspan="2">Water</th> <th rowspan="2">Oil</th> <th rowspan="2">Total Number of Containers</th> <th rowspan="2">BTEX + MTBE 8021</th> <th rowspan="2">8260</th> <th rowspan="2">TPH-GRO 8015</th> <th rowspan="2">TPH-DRO 8015 without Silica Gel Cleanup</th> <th rowspan="2">TPH-DRO 8015 with Silica Gel Cleanup</th> <th rowspan="2">8260 Full Scan</th> <th rowspan="2">Oxygenates</th> <th rowspan="2">Total Lead Method</th> <th rowspan="2">Dissolved Lead Method</th> <th rowspan="2">NAPHTHALENE BY 8260 B</th> </tr> <tr> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr><td>C-11 @ 10'</td><td>10'</td><td>2/3/15</td><td>0830</td><td>X</td><td>X</td><td></td><td></td><td></td><td>1</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td></tr> <tr><td>C-11 @ 15'</td><td>15'</td><td></td><td>0840</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>C-11 @ 20'</td><td>20'</td><td></td><td>0850</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>C-11 @ 25'</td><td>25'</td><td></td><td>0900</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>C-12 @ 10'</td><td>10'</td><td></td><td>1220</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>C-12 @ 15'</td><td>15'</td><td></td><td>1230</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>C-12 @ 20'</td><td>20'</td><td></td><td>1240</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>C-12 @ 25'</td><td>25'</td><td></td><td>1255</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>C-12 @ 30'</td><td>30'</td><td></td><td>1310</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>																						Sample Identification	Soil Depth	Collected		Grab	Composite	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	NAPHTHALENE BY 8260 B	Date	Time	C-11 @ 10'	10'	2/3/15	0830	X	X				1	X	X									X	C-11 @ 15'	15'		0840																		C-11 @ 20'	20'		0850																		C-11 @ 25'	25'		0900																		C-12 @ 10'	10'		1220																		C-12 @ 15'	15'		1230																		C-12 @ 20'	20'		1240																		C-12 @ 25'	25'		1255																		C-12 @ 30'	30'	
Sample Identification	Soil Depth	Collected		Grab	Composite	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	NAPHTHALENE BY 8260 B																																																																																																																																																																																																			
		Date	Time																																																																																																																																																																																																																			
C-11 @ 10'	10'	2/3/15	0830	X	X				1	X	X									X																																																																																																																																																																																																		
C-11 @ 15'	15'		0840																																																																																																																																																																																																																			
C-11 @ 20'	20'		0850																																																																																																																																																																																																																			
C-11 @ 25'	25'		0900																																																																																																																																																																																																																			
C-12 @ 10'	10'		1220																																																																																																																																																																																																																			
C-12 @ 15'	15'		1230																																																																																																																																																																																																																			
C-12 @ 20'	20'		1240																																																																																																																																																																																																																			
C-12 @ 25'	25'		1255																																																																																																																																																																																																																			
C-12 @ 30'	30'		1310																																																																																																																																																																																																																			
Turnaround Time Requested (TAT) (please circle) Standard 5 day 4 day 72 hour 48 hour 24 hour				Relinquished by <i>[Signature]</i> Date 2/3/15 Time 1345 Received by CRA SECURE LOCATION Date 2/3/15 Time 1345				9																																																																																																																																																																																																														
Data Package (circle if required) Type I - Full Type VI (Raw Data)				Relinquished by <i>[Signature]</i> Date 2/4/15 Time 12:30 Received by <i>[Signature]</i> Date 2/4/15 Time 1230																																																																																																																																																																																																																		
EDD (circle if required) EDFFLAT (default) Other: _____				Relinquished by Commercial Carrier: UPS _____ FedEx <input checked="" type="checkbox"/> Other _____				Received by <i>[Signature]</i> Date 2-5-15 Time 910																																																																																																																																																																																																														
				Temperature Upon Receipt 0.2-0.7°C				Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																																																																																																																																																														

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter
<	less than		
>	greater than		
ppm	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.		
ppb	parts per billion		
Dry weight basis	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, ISO17025) 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 23, 2015

Project: 90076

Submittal Date: 02/10/2015
Group Number: 1537390
PO Number: 0015164216
Release Number: COULTER

State of Sample Origin: CA

<u>Client Sample Description</u>	<u>Lancaster Labs (LL) #</u>
B5-S-3-150204 Grab Soil	7767306
B5-S-8-150204 Grab Soil	7767307
B5-S-10-150204 Grab Soil	7767308
B5-S-15-150204 Grab Soil	7767309
B5-S-20-150204 Grab Soil	7767310
B5-S-25-150204 Grab Soil	7767311
B5-S-30-150204 Grab Soil	7767312
VP-5-S-3-150204 Grab Soil	7767313
VP-5-S-6-150204 Grab Soil	7767314
VP-6-S-3-150204 Grab Soil	7767315
VP-6-S-6-150204 Grab Soil	7767316
VP-4-S-3-150205 Grab Soil	7767317
VP-4-S-6-150205 Grab Soil	7767318
B3-S-3-150205 Grab Soil	7767319
B3-S-8-150205 Grab Soil	7767320
B3-S-10-150205 Grab Soil	7767321
B3-S-15-150205 Grab Soil	7767322
B3-S-20-150205 Grab Soil	7767323
B3-S-25-150205 Grab Soil	7767324
B3-S-30-150205 Grab Soil	7767325
B4-S-3-150205 Grab Soil	7767326
B4-S-8-150205 Grab Soil	7767327
B4-S-10-150205 Grab Soil	7767328
B4-S-15-150205 Grab Soil	7767329
B4-S-20-150205 Grab Soil	7767330
B4-S-25-150205 Grab Soil	7767331
B4-S-30-150205 Grab Soil	7767332
B1-S-3-150205 Grab Soil	7767333
B1-S-8-150205 Grab Soil	7767334
B1-S-10-150206 Grab Soil	7767335

B1-S-14-150206 Grab Soil	7767336
B1-S-15-150206 Grab Soil	7767337
B1-S-20-150206 Grab Soil	7767338
B1-S-25-150206 Grab Soil	7767339
B1-S-30-150206 Grab Soil	7767340
B2-S-3-150206 Grab Soil	7767341
B2-S-8-150206 Grab Soil	7767342
B2-S-10-150206 Grab Soil	7767343
B2-S-15-150206 Grab Soil	7767344
B2-S-20-150206 Grab Soil	7767345
B2-S-25-150206 Grab Soil	7767346
B2-S-30-150206 Grab Soil	7767347
B6-S-3-150206 Grab Soil	7767348
B6-S-8-150206 Grab Soil	7767349
B6-S-10-150206 Grab Soil	7767350
B6-S-15-150206 Grab Soil	7767351
B6-S-20-150206 Grab Soil	7767352
B6-S-25-150206 Grab Soil	7767353
B6-S-30-150206 Grab Soil	7767354

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.euofinsus.com/environment-testing/laboratories/euofins-lancaster-laboratories-environmental/resources/certifications/>.

ELECTRONIC COPY TO
ELECTRONIC COPY TO

Chevron
CRA

Attn: CRA EDD

Attn: Nathan Lee

Respectfully Submitted,



Amek Carter
Specialist

(717) 556-7252

Sample Description: B5-S-3-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767306
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 08:50 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO503

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Acetone	67-64-1	0.12	0.007	0.019	0.94
10237	t-Amyl methyl ether	994-05-8	N.D.	0.0009	0.005	0.94
10237	Benzene	71-43-2	0.001 J	0.0005	0.005	0.94
10237	Bromobenzene	108-86-1	N.D.	0.0009	0.005	0.94
10237	Bromochloromethane	74-97-5	N.D.	0.0009	0.005	0.94
10237	Bromodichloromethane	75-27-4	N.D.	0.0009	0.005	0.94
10237	Bromoform	75-25-2	N.D.	0.0009	0.005	0.94
10237	Bromomethane	74-83-9	N.D.	0.002	0.005	0.94
10237	2-Butanone	78-93-3	0.020	0.004	0.009	0.94
10237	t-Butyl alcohol	75-65-0	N.D.	0.019	0.094	0.94
10237	n-Butylbenzene	104-51-8	N.D.	0.0009	0.005	0.94
10237	sec-Butylbenzene	135-98-8	N.D.	0.0009	0.005	0.94
10237	tert-Butylbenzene	98-06-6	N.D.	0.0009	0.005	0.94
10237	Carbon Disulfide	75-15-0	N.D.	0.0009	0.005	0.94
10237	Carbon Tetrachloride	56-23-5	N.D.	0.0009	0.005	0.94
10237	Chlorobenzene	108-90-7	N.D.	0.0009	0.005	0.94
10237	Chloroethane	75-00-3	N.D.	0.002	0.005	0.94
10237	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.002	0.009	0.94
10237	Chloroform	67-66-3	N.D.	0.0009	0.005	0.94
10237	Chloromethane	74-87-3	N.D.	0.002	0.005	0.94
10237	2-Chlorotoluene	95-49-8	N.D.	0.0009	0.005	0.94
10237	4-Chlorotoluene	106-43-4	N.D.	0.0009	0.005	0.94
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	0.005	0.94
10237	Dibromochloromethane	124-48-1	N.D.	0.0009	0.005	0.94
10237	1,2-Dibromoethane	106-93-4	N.D.	0.0009	0.005	0.94
10237	Dibromomethane	74-95-3	N.D.	0.0009	0.005	0.94
10237	1,2-Dichlorobenzene	95-50-1	N.D.	0.0009	0.005	0.94
10237	1,3-Dichlorobenzene	541-73-1	N.D.	0.0009	0.005	0.94
10237	1,4-Dichlorobenzene	106-46-7	N.D.	0.0009	0.005	0.94
10237	Dichlorodifluoromethane	75-71-8	N.D.	0.002	0.005	0.94
10237	1,1-Dichloroethane	75-34-3	N.D.	0.0009	0.005	0.94
10237	1,2-Dichloroethane	107-06-2	N.D.	0.0009	0.005	0.94
10237	1,1-Dichloroethene	75-35-4	N.D.	0.0009	0.005	0.94
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	0.0009	0.005	0.94
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	0.0009	0.005	0.94
10237	1,2-Dichloropropane	78-87-5	N.D.	0.0009	0.005	0.94
10237	1,3-Dichloropropane	142-28-9	N.D.	0.0009	0.005	0.94
10237	2,2-Dichloropropane	594-20-7	N.D.	0.0009	0.005	0.94
10237	1,1-Dichloropropene	563-58-6	N.D.	0.0009	0.005	0.94
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.0009	0.005	0.94
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.0009	0.005	0.94
10237	Ethanol	64-17-5	N.D.	0.094	0.47	0.94
10237	Ethyl t-butyl ether	637-92-3	N.D.	0.0009	0.005	0.94
10237	Ethylbenzene	100-41-4	N.D.	0.0009	0.005	0.94
10237	Freon 113	76-13-1	N.D.	0.002	0.009	0.94
10237	Hexachlorobutadiene	87-68-3	N.D.	0.002	0.005	0.94
10237	2-Hexanone	591-78-6	N.D.	0.003	0.009	0.94
10237	di-Isopropyl ether	108-20-3	N.D.	0.0009	0.005	0.94
10237	Isopropylbenzene	98-82-8	N.D.	0.0009	0.005	0.94
10237	p-Isopropyltoluene	99-87-6	N.D.	0.0009	0.005	0.94

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

Sample Description: B5-S-3-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767306
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 08:50 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO503

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.001 J	0.0005	0.005	0.94
10237	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	0.009	0.94
10237	Methylene Chloride	75-09-2	0.003 J	0.002	0.005	0.94
10237	Naphthalene	91-20-3	N.D.	0.0009	0.005	0.94
10237	n-Propylbenzene	103-65-1	N.D.	0.0009	0.005	0.94
10237	Styrene	100-42-5	N.D.	0.0009	0.005	0.94
10237	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.0009	0.005	0.94
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.0009	0.005	0.94
10237	Tetrachloroethene	127-18-4	N.D.	0.0009	0.005	0.94
10237	Toluene	108-88-3	N.D.	0.0009	0.005	0.94
10237	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.0009	0.005	0.94
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.0009	0.005	0.94
10237	1,1,1-Trichloroethane	71-55-6	N.D.	0.0009	0.005	0.94
10237	1,1,2-Trichloroethane	79-00-5	N.D.	0.0009	0.005	0.94
10237	Trichloroethene	79-01-6	N.D.	0.0009	0.005	0.94
10237	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.005	0.94
10237	1,2,3-Trichloropropane	96-18-4	N.D.	0.0009	0.005	0.94
10237	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.0009	0.005	0.94
10237	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.0009	0.005	0.94
10237	Vinyl Chloride	75-01-4	N.D.	0.0009	0.005	0.94
10237	m+p-Xylene	179601-23-1	N.D.	0.0009	0.005	0.94
10237	o-Xylene	95-47-6	N.D.	0.0009	0.005	0.94
GC/MS	Semivolatiles	SW-846 8270C	mg/kg	mg/kg	mg/kg	
10727	Acenaphthene	83-32-9	0.005 J	0.003	0.017	1
10727	Acenaphthylene	208-96-8	0.010 J	0.003	0.017	1
10727	Anthracene	120-12-7	0.017	0.003	0.017	1
10727	Benzo(a)anthracene	56-55-3	0.056	0.003	0.017	1
10727	Benzo(a)pyrene	50-32-8	0.078	0.003	0.017	1
10727	Benzo(b)fluoranthene	205-99-2	0.078	0.003	0.017	1
10727	Benzo(g,h,i)perylene	191-24-2	0.073	0.003	0.017	1
10727	Benzo(k)fluoranthene	207-08-9	0.050	0.003	0.017	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	0.017	0.033	1
10727	Butylbenzylphthalate	85-68-7	N.D.	0.066	0.17	1
10727	Di-n-butylphthalate	84-74-2	N.D.	0.066	0.17	1
10727	Carbazole	86-74-8	N.D.	0.017	0.033	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	0.017	0.033	1
10727	4-Chloroaniline	106-47-8	N.D.	0.017	0.033	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.017	0.033	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.017	0.033	1
10727	2-Chloronaphthalene	91-58-7	N.D.	0.007	0.033	1
10727	2-Chlorophenol	95-57-8	N.D.	0.017	0.033	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.017	0.033	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	0.017	0.033	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	0.094	0.003	0.017	1

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

Sample Description: B5-S-3-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767306
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 08:50 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO503

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C	mg/kg	mg/kg	mg/kg	
10727	Dibenz (a, h) anthracene	53-70-3	0.007 J	0.003	0.017	1
10727	Dibenzofuran	132-64-9	N.D.	0.017	0.033	1
10727	1,2-Dichlorobenzene	95-50-1	N.D.	0.017	0.033	1
10727	1,3-Dichlorobenzene	541-73-1	N.D.	0.017	0.033	1
10727	1,4-Dichlorobenzene	106-46-7	N.D.	0.017	0.033	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.099	0.33	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	0.017	0.033	1
10727	Diethylphthalate	84-66-2	N.D.	0.066	0.17	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	0.017	0.033	1
10727	Dimethylphthalate	131-11-3	N.D.	0.066	0.17	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.17	0.50	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	0.30	0.99	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	0.066	0.17	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	0.017	0.033	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.066	0.17	1
10727	Fluoranthene	206-44-0	0.15	0.003	0.017	1
10727	Fluorene	86-73-7	0.006 J	0.003	0.017	1
10727	Hexachlorobenzene	118-74-1	N.D.	0.003	0.017	1
10727	Hexachlorobutadiene	87-68-3	N.D.	0.017	0.033	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	0.17	0.50	1
10727	Hexachloroethane	67-72-1	N.D.	0.033	0.17	1
10727	Indeno (1,2,3-cd) pyrene	193-39-5	0.053	0.003	0.017	1
10727	Isophorone	78-59-1	N.D.	0.017	0.033	1
10727	2-Methylnaphthalene	91-57-6	0.009 J	0.003	0.017	1
10727	2-Methylphenol	95-48-7	N.D.	0.017	0.033	1
10727	4-Methylphenol	106-44-5	N.D.	0.017	0.033	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10727	Naphthalene	91-20-3	0.020	0.003	0.017	1
10727	2-Nitroaniline	88-74-4	N.D.	0.017	0.033	1
10727	3-Nitroaniline	99-09-2	N.D.	0.066	0.17	1
10727	4-Nitroaniline	100-01-6	N.D.	0.066	0.17	1
10727	Nitrobenzene	98-95-3	N.D.	0.017	0.033	1
10727	2-Nitrophenol	88-75-5	N.D.	0.017	0.033	1
10727	4-Nitrophenol	100-02-7	N.D.	0.17	0.50	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.017	0.033	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	0.017	0.033	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10727	Di-n-octylphthalate	117-84-0	N.D.	0.066	0.17	1
10727	Pentachlorophenol	87-86-5	N.D.	0.033	0.17	1
10727	Phenanthrene	85-01-8	0.099	0.003	0.017	1
10727	Phenol	108-95-2	N.D.	0.017	0.033	1
10727	Pyrene	129-00-0	0.16	0.003	0.017	1
10727	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.017	0.033	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	0.017	0.033	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	0.017	0.033	1

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

Sample Description: B5-S-3-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767306
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 08:50 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO503

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC Volatiles			SW-846 8015B modified	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1	24.27
Pesticides/PCBs			SW-846 8082	mg/kg	mg/kg	
10736	PCB-1016	12674-11-2	N.D.	0.0035	0.017	1
10736	PCB-1221	11104-28-2	N.D.	0.0045	0.017	1
10736	PCB-1232	11141-16-5	N.D.	0.0079	0.017	1
10736	PCB-1242	53469-21-9	N.D.	0.0032	0.017	1
10736	PCB-1248	12672-29-6	N.D.	0.0032	0.017	1
10736	PCB-1254	11097-69-1	N.D.	0.0032	0.017	1
10736	PCB-1260	11096-82-5	N.D.	0.0048	0.017	1
GC Miscellaneous			SW-846 8015B	mg/kg	mg/kg	
10941	TPH-DRO soil C10-C28 microwave	n.a.	68	4.0	12	1
GC Petroleum			SW-846 8015B modified	mg/kg	mg/kg	
Hydrocarbons						
02516	Total TPH	n.a.	85	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	85	10	30	1
TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						
Metals			SW-846 6010B	mg/kg	mg/kg	
06949	Cadmium	7440-43-9	0.712	0.0324	0.490	1
06951	Chromium	7440-47-3	61.8	0.108	1.47	1
06955	Lead	7439-92-1	325	0.490	1.47	1
06961	Nickel	7440-02-0	68.5	0.147	0.980	1
06972	Zinc	7440-66-6	365	0.255	1.96	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	8260 Full List + Sep Xylenes	SW-846 8260B	1	B150431AA	02/12/2015 16:45	Chelsea B Stong	0.94
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236782	02/10/2015 23:58	Scott W Freisher	n.a.

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

Sample Description: B5-S-3-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767306
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 08:50 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO503

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	2	201504236782	02/10/2015 23:58	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236782	02/10/2015 23:07	Scott W Freisher	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	15045SLE026	02/18/2015 10:04	Linda M Hartenstine	1
10809	BNA Soil Microwave	SW-846 3546	1	15045SLE026	02/16/2015 14:00	Kelli M Barto	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15042A34A	02/11/2015 17:57	Jeremy C Giffin	24.27
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236782	02/10/2015 23:08	Scott W Freisher	n.a.
10736	PCBs Soil 8082 Microwave	SW-846 8082	1	150440006A	02/15/2015 21:35	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	150440006A	02/14/2015 07:30	Olivia Arosemena	1
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	150480013A	02/18/2015 18:06	Christine E Dolman	1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	150470032A	02/19/2015 01:43	Heather E Williams	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	150480013A	02/18/2015 02:30	Sherry L Morrow	1
11218	TPH Fuels Soils Extraction	SW-846 3546	1	150470032A	02/17/2015 13:00	Kelli M Barto	1
06949	Cadmium	SW-846 6010B	1	150445708003	02/20/2015 20:49	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010B	1	150445708003	02/20/2015 20:49	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010B	1	150445708003	02/20/2015 20:49	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010B	1	150445708003	02/20/2015 20:49	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010B	1	150445708003	02/20/2015 20:49	Elaine F Stoltzfus	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	150445708003	02/15/2015 17:19	Annamaria Kuhns	1

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

Sample Description: B5-S-8-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767307
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 09:15 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO508

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Acetone	67-64-1	0.01 J	0.007	0.020	1.01
10237	t-Amyl methyl ether	994-05-8	N.D.	0.001	0.005	1.01
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.01
10237	Bromobenzene	108-86-1	N.D.	0.001	0.005	1.01
10237	Bromochloromethane	74-97-5	N.D.	0.001	0.005	1.01
10237	Bromodichloromethane	75-27-4	N.D.	0.001	0.005	1.01
10237	Bromoform	75-25-2	N.D.	0.001	0.005	1.01
10237	Bromomethane	74-83-9	N.D.	0.002	0.005	1.01
10237	2-Butanone	78-93-3	N.D.	0.004	0.010	1.01
10237	t-Butyl alcohol	75-65-0	N.D.	0.020	0.10	1.01
10237	n-Butylbenzene	104-51-8	N.D.	0.001	0.005	1.01
10237	sec-Butylbenzene	135-98-8	N.D.	0.001	0.005	1.01
10237	tert-Butylbenzene	98-06-6	N.D.	0.001	0.005	1.01
10237	Carbon Disulfide	75-15-0	N.D.	0.001	0.005	1.01
10237	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.005	1.01
10237	Chlorobenzene	108-90-7	N.D.	0.001	0.005	1.01
10237	Chloroethane	75-00-3	N.D.	0.002	0.005	1.01
10237	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.002	0.010	1.01
10237	Chloroform	67-66-3	N.D.	0.001	0.005	1.01
10237	Chloromethane	74-87-3	N.D.	0.002	0.005	1.01
10237	2-Chlorotoluene	95-49-8	N.D.	0.001	0.005	1.01
10237	4-Chlorotoluene	106-43-4	N.D.	0.001	0.005	1.01
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	0.005	1.01
10237	Dibromochloromethane	124-48-1	N.D.	0.001	0.005	1.01
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	1.01
10237	Dibromomethane	74-95-3	N.D.	0.001	0.005	1.01
10237	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	0.005	1.01
10237	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	0.005	1.01
10237	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	0.005	1.01
10237	Dichlorodifluoromethane	75-71-8	N.D.	0.002	0.005	1.01
10237	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.005	1.01
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	1.01
10237	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.005	1.01
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.005	1.01
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.005	1.01
10237	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.005	1.01
10237	1,3-Dichloropropane	142-28-9	N.D.	0.001	0.005	1.01
10237	2,2-Dichloropropane	594-20-7	N.D.	0.001	0.005	1.01
10237	1,1-Dichloropropene	563-58-6	N.D.	0.001	0.005	1.01
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.005	1.01
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.005	1.01
10237	Ethanol	64-17-5	N.D.	0.10	0.50	1.01
10237	Ethyl t-butyl ether	637-92-3	N.D.	0.001	0.005	1.01
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.01
10237	Freon 113	76-13-1	N.D.	0.002	0.010	1.01
10237	Hexachlorobutadiene	87-68-3	N.D.	0.002	0.005	1.01
10237	2-Hexanone	591-78-6	N.D.	0.003	0.010	1.01
10237	di-Isopropyl ether	108-20-3	N.D.	0.001	0.005	1.01
10237	Isopropylbenzene	98-82-8	N.D.	0.001	0.005	1.01
10237	p-Isopropyltoluene	99-87-6	N.D.	0.001	0.005	1.01

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

Sample Description: B5-S-8-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767307
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 09:15 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO508

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.01
10237	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	0.010	1.01
10237	Methylene Chloride	75-09-2	N.D.	0.002	0.005	1.01
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1.01
10237	n-Propylbenzene	103-65-1	N.D.	0.001	0.005	1.01
10237	Styrene	100-42-5	N.D.	0.001	0.005	1.01
10237	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.001	0.005	1.01
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.005	1.01
10237	Tetrachloroethene	127-18-4	N.D.	0.001	0.005	1.01
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.01
10237	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.001	0.005	1.01
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	0.005	1.01
10237	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.005	1.01
10237	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.005	1.01
10237	Trichloroethene	79-01-6	N.D.	0.001	0.005	1.01
10237	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.005	1.01
10237	1,2,3-Trichloropropane	96-18-4	N.D.	0.001	0.005	1.01
10237	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.001	0.005	1.01
10237	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.001	0.005	1.01
10237	Vinyl Chloride	75-01-4	N.D.	0.001	0.005	1.01
10237	m+p-Xylene	179601-23-1	N.D.	0.001	0.005	1.01
10237	o-Xylene	95-47-6	N.D.	0.001	0.005	1.01
GC/MS	Semivolatiles	SW-846 8270C	mg/kg	mg/kg	mg/kg	
10727	Acenaphthene	83-32-9	N.D.	0.003	0.017	1
10727	Acenaphthylene	208-96-8	N.D.	0.003	0.017	1
10727	Anthracene	120-12-7	N.D.	0.003	0.017	1
10727	Benzo(a)anthracene	56-55-3	0.006 J	0.003	0.017	1
10727	Benzo(a)pyrene	50-32-8	0.007 J	0.003	0.017	1
10727	Benzo(b)fluoranthene	205-99-2	0.008 J	0.003	0.017	1
10727	Benzo(g,h,i)perylene	191-24-2	0.006 J	0.003	0.017	1
10727	Benzo(k)fluoranthene	207-08-9	0.005 J	0.003	0.017	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	0.017	0.033	1
10727	Butylbenzylphthalate	85-68-7	N.D.	0.066	0.17	1
10727	Di-n-butylphthalate	84-74-2	N.D.	0.066	0.17	1
10727	Carbazole	86-74-8	N.D.	0.017	0.033	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	0.017	0.033	1
10727	4-Chloroaniline	106-47-8	N.D.	0.017	0.033	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.017	0.033	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.017	0.033	1
10727	2-Chloronaphthalene	91-58-7	N.D.	0.007	0.033	1
10727	2-Chlorophenol	95-57-8	N.D.	0.017	0.033	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.017	0.033	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	0.017	0.033	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	0.008 J	0.003	0.017	1

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

Sample Description: B5-S-8-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767307
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 09:15 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO508

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C	mg/kg	mg/kg	mg/kg	
10727	Dibenz (a, h) anthracene	53-70-3	N.D.	0.003	0.017	1
10727	Dibenzofuran	132-64-9	N.D.	0.017	0.033	1
10727	1,2-Dichlorobenzene	95-50-1	N.D.	0.017	0.033	1
10727	1,3-Dichlorobenzene	541-73-1	N.D.	0.017	0.033	1
10727	1,4-Dichlorobenzene	106-46-7	N.D.	0.017	0.033	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.10	0.33	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	0.017	0.033	1
10727	Diethylphthalate	84-66-2	N.D.	0.066	0.17	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	0.017	0.033	1
10727	Dimethylphthalate	131-11-3	N.D.	0.066	0.17	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.17	0.50	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	0.30	1.0	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	0.066	0.17	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	0.017	0.033	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.066	0.17	1
10727	Fluoranthene	206-44-0	0.013 J	0.003	0.017	1
10727	Fluorene	86-73-7	N.D.	0.003	0.017	1
10727	Hexachlorobenzene	118-74-1	N.D.	0.003	0.017	1
10727	Hexachlorobutadiene	87-68-3	N.D.	0.017	0.033	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	0.17	0.50	1
10727	Hexachloroethane	67-72-1	N.D.	0.033	0.17	1
10727	Indeno (1,2,3-cd) pyrene	193-39-5	0.006 J	0.003	0.017	1
10727	Isophorone	78-59-1	N.D.	0.017	0.033	1
10727	2-Methylnaphthalene	91-57-6	N.D.	0.003	0.017	1
10727	2-Methylphenol	95-48-7	N.D.	0.017	0.033	1
10727	4-Methylphenol	106-44-5	N.D.	0.017	0.033	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10727	Naphthalene	91-20-3	N.D.	0.003	0.017	1
10727	2-Nitroaniline	88-74-4	N.D.	0.017	0.033	1
10727	3-Nitroaniline	99-09-2	N.D.	0.066	0.17	1
10727	4-Nitroaniline	100-01-6	N.D.	0.066	0.17	1
10727	Nitrobenzene	98-95-3	N.D.	0.017	0.033	1
10727	2-Nitrophenol	88-75-5	N.D.	0.017	0.033	1
10727	4-Nitrophenol	100-02-7	N.D.	0.17	0.50	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.017	0.033	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	0.017	0.033	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10727	Di-n-octylphthalate	117-84-0	N.D.	0.066	0.17	1
10727	Pentachlorophenol	87-86-5	N.D.	0.033	0.17	1
10727	Phenanthrene	85-01-8	0.007 J	0.003	0.017	1
10727	Phenol	108-95-2	N.D.	0.017	0.033	1
10727	Pyrene	129-00-0	0.015 J	0.003	0.017	1
10727	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.017	0.033	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	0.017	0.033	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	0.017	0.033	1

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

Sample Description: B5-S-8-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767307
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 09:15 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO508

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC Volatiles			SW-846 8015B modified	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	0.9	23.72
Pesticides/PCBs			SW-846 8082	mg/kg	mg/kg	
10736	PCB-1016	12674-11-2	N.D.	0.0035	0.017	1
10736	PCB-1221	11104-28-2	N.D.	0.0045	0.017	1
10736	PCB-1232	11141-16-5	N.D.	0.0079	0.017	1
10736	PCB-1242	53469-21-9	N.D.	0.0032	0.017	1
10736	PCB-1248	12672-29-6	N.D.	0.0032	0.017	1
10736	PCB-1254	11097-69-1	N.D.	0.0032	0.017	1
10736	PCB-1260	11096-82-5	N.D.	0.0048	0.017	1
GC Miscellaneous			SW-846 8015B	mg/kg	mg/kg	
10941	TPH-DRO soil C10-C28 microwave	n.a.	N.D.	4.0	12	1
GC Petroleum			SW-846 8015B modified	mg/kg	mg/kg	
Hydrocarbons						
02516	Total TPH	n.a.	N.D.	9.9	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	9.9	30	1
TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						
Metals			SW-846 6010B	mg/kg	mg/kg	
06949	Cadmium	7440-43-9	N.D.	0.0324	0.490	1
06951	Chromium	7440-47-3	70.5	0.108	1.47	1
06955	Lead	7439-92-1	12.4	0.490	1.47	1
06961	Nickel	7440-02-0	115	0.147	0.980	1
06972	Zinc	7440-66-6	58.4	0.255	1.96	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	8260 Full List + Sep Xylenes	SW-846 8260B	1	B150431AA	02/12/2015 17:07	Chelsea B Stong	1.01
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236782	02/10/2015 23:58	Scott W Freisher	n.a.

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

Sample Description: B5-S-8-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767307
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 09:15 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO508

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	2	201504236782	02/10/2015 23:58	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236782	02/10/2015 23:15	Scott W Freisher	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	15045SLE026	02/18/2015 11:14	Linda M Hartenstine	1
10809	BNA Soil Microwave	SW-846 3546	1	15045SLE026	02/16/2015 14:00	Kelli M Barto	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15042A34A	02/11/2015 18:33	Jeremy C Giffin	23.72
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236782	02/10/2015 23:14	Scott W Freisher	n.a.
10736	PCBs Soil 8082 Microwave	SW-846 8082	1	150440006A	02/15/2015 21:46	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	150440006A	02/14/2015 07:30	Olivia Arosemena	1
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	150480013A	02/18/2015 16:42	Christine E Dolman	1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	150470032A	02/19/2015 00:39	Heather E Williams	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	150480013A	02/18/2015 02:30	Sherry L Morrow	1
11218	TPH Fuels Soils Extraction	SW-846 3546	1	150470032A	02/17/2015 13:00	Kelli M Barto	1
06949	Cadmium	SW-846 6010B	1	150445708003	02/20/2015 21:01	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010B	1	150445708003	02/20/2015 21:01	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010B	1	150445708003	02/20/2015 21:01	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010B	1	150445708003	02/20/2015 21:01	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010B	1	150445708003	02/20/2015 21:01	Elaine F Stoltzfus	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	150445708003	02/15/2015 17:19	Annamaria Kuhns	1

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

Sample Description: B5-S-10-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767308
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 09:30 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO510

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Acetone	67-64-1	N.D.	0.006	0.018	0.91
10237	t-Amyl methyl ether	994-05-8	N.D.	0.0009	0.005	0.91
10237	Benzene	71-43-2	0.0008 J	0.0005	0.005	0.91
10237	Bromobenzene	108-86-1	N.D.	0.0009	0.005	0.91
10237	Bromochloromethane	74-97-5	N.D.	0.0009	0.005	0.91
10237	Bromodichloromethane	75-27-4	N.D.	0.0009	0.005	0.91
10237	Bromoform	75-25-2	N.D.	0.0009	0.005	0.91
10237	Bromomethane	74-83-9	N.D.	0.002	0.005	0.91
10237	2-Butanone	78-93-3	N.D.	0.004	0.009	0.91
10237	t-Butyl alcohol	75-65-0	N.D.	0.018	0.091	0.91
10237	n-Butylbenzene	104-51-8	N.D.	0.0009	0.005	0.91
10237	sec-Butylbenzene	135-98-8	N.D.	0.0009	0.005	0.91
10237	tert-Butylbenzene	98-06-6	N.D.	0.0009	0.005	0.91
10237	Carbon Disulfide	75-15-0	N.D.	0.0009	0.005	0.91
10237	Carbon Tetrachloride	56-23-5	N.D.	0.0009	0.005	0.91
10237	Chlorobenzene	108-90-7	N.D.	0.0009	0.005	0.91
10237	Chloroethane	75-00-3	N.D.	0.002	0.005	0.91
10237	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.002	0.009	0.91
10237	Chloroform	67-66-3	N.D.	0.0009	0.005	0.91
10237	Chloromethane	74-87-3	N.D.	0.002	0.005	0.91
10237	2-Chlorotoluene	95-49-8	N.D.	0.0009	0.005	0.91
10237	4-Chlorotoluene	106-43-4	N.D.	0.0009	0.005	0.91
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	0.005	0.91
10237	Dibromochloromethane	124-48-1	N.D.	0.0009	0.005	0.91
10237	1,2-Dibromoethane	106-93-4	N.D.	0.0009	0.005	0.91
10237	Dibromomethane	74-95-3	N.D.	0.0009	0.005	0.91
10237	1,2-Dichlorobenzene	95-50-1	N.D.	0.0009	0.005	0.91
10237	1,3-Dichlorobenzene	541-73-1	N.D.	0.0009	0.005	0.91
10237	1,4-Dichlorobenzene	106-46-7	N.D.	0.0009	0.005	0.91
10237	Dichlorodifluoromethane	75-71-8	N.D.	0.002	0.005	0.91
10237	1,1-Dichloroethane	75-34-3	N.D.	0.0009	0.005	0.91
10237	1,2-Dichloroethane	107-06-2	N.D.	0.0009	0.005	0.91
10237	1,1-Dichloroethene	75-35-4	N.D.	0.0009	0.005	0.91
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	0.0009	0.005	0.91
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	0.0009	0.005	0.91
10237	1,2-Dichloropropane	78-87-5	N.D.	0.0009	0.005	0.91
10237	1,3-Dichloropropane	142-28-9	N.D.	0.0009	0.005	0.91
10237	2,2-Dichloropropane	594-20-7	N.D.	0.0009	0.005	0.91
10237	1,1-Dichloropropene	563-58-6	N.D.	0.0009	0.005	0.91
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.0009	0.005	0.91
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.0009	0.005	0.91
10237	Ethanol	64-17-5	N.D.	0.091	0.46	0.91
10237	Ethyl t-butyl ether	637-92-3	N.D.	0.0009	0.005	0.91
10237	Ethylbenzene	100-41-4	N.D.	0.0009	0.005	0.91
10237	Freon 113	76-13-1	N.D.	0.002	0.009	0.91
10237	Hexachlorobutadiene	87-68-3	N.D.	0.002	0.005	0.91
10237	2-Hexanone	591-78-6	N.D.	0.003	0.009	0.91
10237	di-Isopropyl ether	108-20-3	N.D.	0.0009	0.005	0.91
10237	Isopropylbenzene	98-82-8	N.D.	0.0009	0.005	0.91
10237	p-Isopropyltoluene	99-87-6	N.D.	0.0009	0.005	0.91

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

Sample Description: B5-S-10-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767308
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 09:30 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO510

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B						
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.002 J	0.0005	0.005	0.91
10237	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	0.009	0.91
10237	Methylene Chloride	75-09-2	N.D.	0.002	0.005	0.91
10237	Naphthalene	91-20-3	N.D.	0.0009	0.005	0.91
10237	n-Propylbenzene	103-65-1	N.D.	0.0009	0.005	0.91
10237	Styrene	100-42-5	N.D.	0.0009	0.005	0.91
10237	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.0009	0.005	0.91
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.0009	0.005	0.91
10237	Tetrachloroethene	127-18-4	N.D.	0.0009	0.005	0.91
10237	Toluene	108-88-3	N.D.	0.0009	0.005	0.91
10237	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.0009	0.005	0.91
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.0009	0.005	0.91
10237	1,1,1-Trichloroethane	71-55-6	N.D.	0.0009	0.005	0.91
10237	1,1,2-Trichloroethane	79-00-5	N.D.	0.0009	0.005	0.91
10237	Trichloroethene	79-01-6	N.D.	0.0009	0.005	0.91
10237	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.005	0.91
10237	1,2,3-Trichloropropane	96-18-4	N.D.	0.0009	0.005	0.91
10237	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.0009	0.005	0.91
10237	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.0009	0.005	0.91
10237	Vinyl Chloride	75-01-4	N.D.	0.0009	0.005	0.91
10237	m+p-Xylene	179601-23-1	0.001 J	0.0009	0.005	0.91
10237	o-Xylene	95-47-6	N.D.	0.0009	0.005	0.91
GC/MS Semivolatiles SW-846 8270C						
10727	Acenaphthene	83-32-9	N.D.	0.003	0.017	1
10727	Acenaphthylene	208-96-8	N.D.	0.003	0.017	1
10727	Anthracene	120-12-7	N.D.	0.003	0.017	1
10727	Benzo(a)anthracene	56-55-3	N.D.	0.003	0.017	1
10727	Benzo(a)pyrene	50-32-8	N.D.	0.003	0.017	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	0.003	0.017	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	0.003	0.017	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	0.003	0.017	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	0.017	0.033	1
10727	Butylbenzylphthalate	85-68-7	N.D.	0.066	0.17	1
10727	Di-n-butylphthalate	84-74-2	N.D.	0.066	0.17	1
10727	Carbazole	86-74-8	N.D.	0.017	0.033	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	0.017	0.033	1
10727	4-Chloroaniline	106-47-8	N.D.	0.017	0.033	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.017	0.033	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.017	0.033	1
10727	2-Chloronaphthalene	91-58-7	N.D.	0.007	0.033	1
10727	2-Chlorophenol	95-57-8	N.D.	0.017	0.033	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.017	0.033	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	0.017	0.033	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	N.D.	0.003	0.017	1

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

Sample Description: B5-S-10-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767308
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 09:30 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO510

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C	mg/kg	mg/kg	mg/kg	
10727	Dibenz (a, h) anthracene	53-70-3	N.D.	0.003	0.017	1
10727	Dibenzofuran	132-64-9	N.D.	0.017	0.033	1
10727	1,2-Dichlorobenzene	95-50-1	N.D.	0.017	0.033	1
10727	1,3-Dichlorobenzene	541-73-1	N.D.	0.017	0.033	1
10727	1,4-Dichlorobenzene	106-46-7	N.D.	0.017	0.033	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.099	0.33	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	0.017	0.033	1
10727	Diethylphthalate	84-66-2	N.D.	0.066	0.17	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	0.017	0.033	1
10727	Dimethylphthalate	131-11-3	N.D.	0.066	0.17	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.17	0.50	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	0.30	0.99	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	0.066	0.17	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	0.017	0.033	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.066	0.17	1
10727	Fluoranthene	206-44-0	N.D.	0.003	0.017	1
10727	Fluorene	86-73-7	N.D.	0.003	0.017	1
10727	Hexachlorobenzene	118-74-1	N.D.	0.003	0.017	1
10727	Hexachlorobutadiene	87-68-3	N.D.	0.017	0.033	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	0.17	0.50	1
10727	Hexachloroethane	67-72-1	N.D.	0.033	0.17	1
10727	Indeno (1,2,3-cd) pyrene	193-39-5	N.D.	0.003	0.017	1
10727	Isophorone	78-59-1	N.D.	0.017	0.033	1
10727	2-Methylnaphthalene	91-57-6	N.D.	0.003	0.017	1
10727	2-Methylphenol	95-48-7	N.D.	0.017	0.033	1
10727	4-Methylphenol	106-44-5	N.D.	0.017	0.033	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10727	Naphthalene	91-20-3	N.D.	0.003	0.017	1
10727	2-Nitroaniline	88-74-4	N.D.	0.017	0.033	1
10727	3-Nitroaniline	99-09-2	N.D.	0.066	0.17	1
10727	4-Nitroaniline	100-01-6	N.D.	0.066	0.17	1
10727	Nitrobenzene	98-95-3	N.D.	0.017	0.033	1
10727	2-Nitrophenol	88-75-5	N.D.	0.017	0.033	1
10727	4-Nitrophenol	100-02-7	N.D.	0.17	0.50	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.017	0.033	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	0.017	0.033	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10727	Di-n-octylphthalate	117-84-0	N.D.	0.066	0.17	1
10727	Pentachlorophenol	87-86-5	N.D.	0.033	0.17	1
10727	Phenanthrene	85-01-8	N.D.	0.003	0.017	1
10727	Phenol	108-95-2	0.91	0.017	0.033	1
10727	Pyrene	129-00-0	N.D.	0.003	0.017	1
10727	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.017	0.033	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	0.017	0.033	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	0.017	0.033	1

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

Sample Description: B5-S-10-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767308
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 09:30 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO510

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC Volatiles						
	SW-846 8015B modified		mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1.0	26.01
Pesticides/PCBs						
	SW-846 8082		mg/kg	mg/kg	mg/kg	
10736	PCB-1016	12674-11-2	N.D.	0.0036	0.017	1
10736	PCB-1221	11104-28-2	N.D.	0.0046	0.017	1
10736	PCB-1232	11141-16-5	N.D.	0.0079	0.017	1
10736	PCB-1242	53469-21-9	N.D.	0.0033	0.017	1
10736	PCB-1248	12672-29-6	N.D.	0.0033	0.017	1
10736	PCB-1254	11097-69-1	N.D.	0.0033	0.017	1
10736	PCB-1260	11096-82-5	N.D.	0.0049	0.017	1
GC Miscellaneous						
	SW-846 8015B		mg/kg	mg/kg	mg/kg	
10941	TPH-DRO soil C10-C28 microwave	n.a.	N.D.	4.0	12	1
GC Petroleum						
	SW-846 8015B modified		mg/kg	mg/kg	mg/kg	
Hydrocarbons						
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						
Metals						
	SW-846 6010B		mg/kg	mg/kg	mg/kg	
06949	Cadmium	7440-43-9	0.0760 J	0.0317	0.481	1
06951	Chromium	7440-47-3	58.2	0.106	1.44	1
06955	Lead	7439-92-1	3.17	0.481	1.44	1
06961	Nickel	7440-02-0	142	0.144	0.962	1
06972	Zinc	7440-66-6	35.0	0.250	1.92	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	8260 Full List + Sep Xylenes	SW-846 8260B	1	B150431AA	02/12/2015 17:29	Chelsea B Stong	0.91
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236782	02/10/2015 23:58	Scott W Freisher	n.a.

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

Sample Description: B5-S-10-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767308
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 09:30 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO510

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	2	201504236782	02/10/2015 23:58	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236782	02/10/2015 23:20	Scott W Freisher	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	15045SLE026	02/18/2015 13:35	Linda M Hartenstine	1
10809	BNA Soil Microwave	SW-846 3546	1	15045SLE026	02/16/2015 14:00	Kelli M Barto	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15042A34A	02/11/2015 19:09	Jeremy C Giffin	26.01
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236782	02/10/2015 23:19	Scott W Freisher	n.a.
10736	PCBs Soil 8082 Microwave	SW-846 8082	1	150440006A	02/15/2015 21:57	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	150440006A	02/14/2015 07:30	Olivia Arosemena	1
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	150480013A	02/18/2015 14:57	Christine E Dolman	1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	150470032A	02/18/2015 23:35	Heather E Williams	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	150480013A	02/18/2015 02:30	Sherry L Morrow	1
11218	TPH Fuels Soils Extraction	SW-846 3546	1	150470032A	02/17/2015 13:00	Kelli M Barto	1
06949	Cadmium	SW-846 6010B	1	150445708003	02/20/2015 21:05	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010B	1	150445708003	02/20/2015 21:05	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010B	1	150445708003	02/20/2015 21:05	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010B	1	150445708003	02/20/2015 21:05	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010B	1	150445708003	02/20/2015 21:05	Elaine F Stoltzfus	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	150445708003	02/15/2015 17:19	Annamaria Kuhns	1

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

Sample Description: B5-S-15-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767309
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 09:40 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO515

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Acetone	67-64-1	N.D.	0.35	1.0	50.61
10237	t-Amyl methyl ether	994-05-8	N.D.	0.051	0.25	50.61
10237	Benzene	71-43-2	0.035 J	0.025	0.25	50.61
10237	Bromobenzene	108-86-1	N.D.	0.051	0.25	50.61
10237	Bromochloromethane	74-97-5	N.D.	0.051	0.25	50.61
10237	Bromodichloromethane	75-27-4	N.D.	0.051	0.25	50.61
10237	Bromoform	75-25-2	N.D.	0.051	0.25	50.61
10237	Bromomethane	74-83-9	N.D.	0.10	0.25	50.61
10237	2-Butanone	78-93-3	N.D.	0.20	0.51	50.61
10237	t-Butyl alcohol	75-65-0	N.D.	1.0	5.1	50.61
10237	n-Butylbenzene	104-51-8	1.2	0.051	0.25	50.61
10237	sec-Butylbenzene	135-98-8	0.47	0.051	0.25	50.61
10237	tert-Butylbenzene	98-06-6	0.49	0.051	0.25	50.61
10237	Carbon Disulfide	75-15-0	N.D.	0.051	0.25	50.61
10237	Carbon Tetrachloride	56-23-5	N.D.	0.051	0.25	50.61
10237	Chlorobenzene	108-90-7	N.D.	0.051	0.25	50.61
10237	Chloroethane	75-00-3	N.D.	0.10	0.25	50.61
10237	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.10	0.51	50.61
10237	Chloroform	67-66-3	N.D.	0.051	0.25	50.61
10237	Chloromethane	74-87-3	N.D.	0.10	0.25	50.61
10237	2-Chlorotoluene	95-49-8	N.D.	0.051	0.25	50.61
10237	4-Chlorotoluene	106-43-4	N.D.	0.051	0.25	50.61
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.10	0.25	50.61
10237	Dibromochloromethane	124-48-1	N.D.	0.051	0.25	50.61
10237	1,2-Dibromoethane	106-93-4	N.D.	0.051	0.25	50.61
10237	Dibromomethane	74-95-3	N.D.	0.051	0.25	50.61
10237	1,2-Dichlorobenzene	95-50-1	N.D.	0.051	0.25	50.61
10237	1,3-Dichlorobenzene	541-73-1	N.D.	0.051	0.25	50.61
10237	1,4-Dichlorobenzene	106-46-7	N.D.	0.051	0.25	50.61
10237	Dichlorodifluoromethane	75-71-8	N.D.	0.10	0.25	50.61
10237	1,1-Dichloroethane	75-34-3	N.D.	0.051	0.25	50.61
10237	1,2-Dichloroethane	107-06-2	N.D.	0.051	0.25	50.61
10237	1,1-Dichloroethene	75-35-4	N.D.	0.051	0.25	50.61
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	0.051	0.25	50.61
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	0.051	0.25	50.61
10237	1,2-Dichloropropane	78-87-5	N.D.	0.051	0.25	50.61
10237	1,3-Dichloropropane	142-28-9	N.D.	0.051	0.25	50.61
10237	2,2-Dichloropropane	594-20-7	N.D.	0.051	0.25	50.61
10237	1,1-Dichloropropene	563-58-6	N.D.	0.051	0.25	50.61
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.051	0.25	50.61
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.051	0.25	50.61
10237	Ethanol	64-17-5	N.D.	5.1	25	50.61
10237	Ethyl t-butyl ether	637-92-3	N.D.	0.051	0.25	50.61
10237	Ethylbenzene	100-41-4	13	0.051	0.25	50.61
10237	Freon 113	76-13-1	N.D.	0.10	0.51	50.61
10237	Hexachlorobutadiene	87-68-3	N.D.	0.10	0.25	50.61
10237	2-Hexanone	591-78-6	N.D.	0.15	0.51	50.61
10237	di-Isopropyl ether	108-20-3	N.D.	0.051	0.25	50.61
10237	Isopropylbenzene	98-82-8	1.1	0.051	0.25	50.61
10237	p-Isopropyltoluene	99-87-6	0.24 J	0.051	0.25	50.61

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

Sample Description: B5-S-15-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767309
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 09:40 by OY

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO515

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B						
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.025	0.25	50.61
10237	4-Methyl-2-pentanone	108-10-1	N.D.	0.15	0.51	50.61
10237	Methylene Chloride	75-09-2	N.D.	0.10	0.25	50.61
10237	Naphthalene	91-20-3	3.2	0.051	0.25	50.61
10237	n-Propylbenzene	103-65-1	4.3	0.051	0.25	50.61
10237	Styrene	100-42-5	N.D.	0.051	0.25	50.61
10237	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.051	0.25	50.61
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.051	0.25	50.61
10237	Tetrachloroethene	127-18-4	N.D.	0.051	0.25	50.61
10237	Toluene	108-88-3	1.4	0.051	0.25	50.61
10237	1,2,3-Trichlorobenzene	87-61-6	0.059 J	0.051	0.25	50.61
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.051	0.25	50.61
10237	1,1,1-Trichloroethane	71-55-6	N.D.	0.051	0.25	50.61
10237	1,1,2-Trichloroethane	79-00-5	N.D.	0.051	0.25	50.61
10237	Trichloroethene	79-01-6	N.D.	0.051	0.25	50.61
10237	Trichlorofluoromethane	75-69-4	N.D.	0.10	0.25	50.61
10237	1,2,3-Trichloropropane	96-18-4	N.D.	0.051	0.25	50.61
10237	1,2,4-Trimethylbenzene	95-63-6	24	1.0	5.1	1012.15
10237	1,3,5-Trimethylbenzene	108-67-8	8.4	0.051	0.25	50.61
10237	Vinyl Chloride	75-01-4	N.D.	0.051	0.25	50.61
10237	m+p-Xylene	179601-23-1	41	1.0	5.1	1012.15
10237	o-Xylene	95-47-6	14	1.0	5.1	1012.15
GC/MS Semivolatiles SW-846 8270C						
10727	Acenaphthene	83-32-9	N.D.	0.003	0.017	1
10727	Acenaphthylene	208-96-8	N.D.	0.003	0.017	1
10727	Anthracene	120-12-7	N.D.	0.003	0.017	1
10727	Benzo(a)anthracene	56-55-3	N.D.	0.003	0.017	1
10727	Benzo(a)pyrene	50-32-8	N.D.	0.003	0.017	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	0.003	0.017	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	0.003	0.017	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	0.003	0.017	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	0.017	0.033	1
10727	Butylbenzylphthalate	85-68-7	N.D.	0.067	0.17	1
10727	Di-n-butylphthalate	84-74-2	N.D.	0.067	0.17	1
10727	Carbazole	86-74-8	N.D.	0.017	0.033	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	0.017	0.033	1
10727	4-Chloroaniline	106-47-8	N.D.	0.017	0.033	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.017	0.033	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.017	0.033	1
10727	2-Chloronaphthalene	91-58-7	N.D.	0.007	0.033	1
10727	2-Chlorophenol	95-57-8	N.D.	0.017	0.033	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.017	0.033	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	0.017	0.033	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10727	Chrysene	218-01-9	N.D.	0.003	0.017	1

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

Sample Description: B5-S-15-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767309
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 09:40 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO515

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C	mg/kg	mg/kg	mg/kg	
10727	Dibenz (a, h) anthracene	53-70-3	N.D.	0.003	0.017	1
10727	Dibenzofuran	132-64-9	N.D.	0.017	0.033	1
10727	1,2-Dichlorobenzene	95-50-1	N.D.	0.017	0.033	1
10727	1,3-Dichlorobenzene	541-73-1	N.D.	0.017	0.033	1
10727	1,4-Dichlorobenzene	106-46-7	N.D.	0.017	0.033	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.10	0.33	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	0.017	0.033	1
10727	Diethylphthalate	84-66-2	N.D.	0.067	0.17	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	0.017	0.033	1
10727	Dimethylphthalate	131-11-3	N.D.	0.067	0.17	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.17	0.50	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	0.30	1.0	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	0.067	0.17	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	0.017	0.033	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.067	0.17	1
10727	Fluoranthene	206-44-0	N.D.	0.003	0.017	1
10727	Fluorene	86-73-7	N.D.	0.003	0.017	1
10727	Hexachlorobenzene	118-74-1	N.D.	0.003	0.017	1
10727	Hexachlorobutadiene	87-68-3	N.D.	0.017	0.033	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	0.17	0.50	1
10727	Hexachloroethane	67-72-1	N.D.	0.033	0.17	1
10727	Indeno (1,2,3-cd) pyrene	193-39-5	N.D.	0.003	0.017	1
10727	Isophorone	78-59-1	N.D.	0.017	0.033	1
10727	2-Methylnaphthalene	91-57-6	0.18	0.003	0.017	1
10727	2-Methylphenol	95-48-7	N.D.	0.017	0.033	1
10727	4-Methylphenol	106-44-5	N.D.	0.017	0.033	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10727	Naphthalene	91-20-3	0.19	0.003	0.017	1
10727	2-Nitroaniline	88-74-4	N.D.	0.017	0.033	1
10727	3-Nitroaniline	99-09-2	N.D.	0.067	0.17	1
10727	4-Nitroaniline	100-01-6	N.D.	0.067	0.17	1
10727	Nitrobenzene	98-95-3	N.D.	0.017	0.033	1
10727	2-Nitrophenol	88-75-5	N.D.	0.017	0.033	1
10727	4-Nitrophenol	100-02-7	N.D.	0.17	0.50	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.017	0.033	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	0.017	0.033	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10727	Di-n-octylphthalate	117-84-0	N.D.	0.067	0.17	1
10727	Pentachlorophenol	87-86-5	N.D.	0.033	0.17	1
10727	Phenanthrene	85-01-8	0.004 J	0.003	0.017	1
10727	Phenol	108-95-2	0.81	0.017	0.033	1
10727	Pyrene	129-00-0	0.003 J	0.003	0.017	1
10727	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.017	0.033	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	0.017	0.033	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	0.017	0.033	1

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

Sample Description: B5-S-15-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767309
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 09:40 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO515

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC Volatiles						
	SW-846 8015B modified		mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	590	41	82	2040.82
Pesticides/PCBs						
	SW-846 8082		mg/kg	mg/kg	mg/kg	
10736	PCB-1016	12674-11-2	N.D.	0.0035	0.017	1
10736	PCB-1221	11104-28-2	N.D.	0.0045	0.017	1
10736	PCB-1232	11141-16-5	N.D.	0.0079	0.017	1
10736	PCB-1242	53469-21-9	N.D.	0.0032	0.017	1
10736	PCB-1248	12672-29-6	N.D.	0.0032	0.017	1
10736	PCB-1254	11097-69-1	N.D.	0.0032	0.017	1
10736	PCB-1260	11096-82-5	N.D.	0.0048	0.017	1
GC Miscellaneous						
	SW-846 8015B		mg/kg	mg/kg	mg/kg	
10941	TPH-DRO soil C10-C28 microwave	n.a.	86	4.0	12	1
GC Petroleum						
	SW-846 8015B modified		mg/kg	mg/kg	mg/kg	
Hydrocarbons						
02516	Total TPH	n.a.	N.D.	9.9	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	9.9	30	1
TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						
Metals						
	SW-846 6010B		mg/kg	mg/kg	mg/kg	
06949	Cadmium	7440-43-9	0.0680 J	0.0320	0.485	1
06951	Chromium	7440-47-3	43.9	0.107	1.46	1
06955	Lead	7439-92-1	3.69	0.485	1.46	1
06961	Nickel	7440-02-0	81.4	0.146	0.971	1
06972	Zinc	7440-66-6	33.8	0.252	1.94	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	8260 Full List + Sep Xylenes	SW-846 8260B	1	R150431AA	02/12/2015 03:47	Stephanie A Selis	50.61
10237	8260 Full List + Sep Xylenes	SW-846 8260B	1	Q150471AA	02/16/2015 14:38	Sarah A Guill	1012.15

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

Sample Description: B5-S-15-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767309
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 09:40 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO515

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	1	201504236782	02/10/2015 23:58	Scott W Freisher	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236782	02/10/2015 23:58	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236782	02/10/2015 23:26	Scott W Freisher	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	15045SLE026	02/18/2015 12:01	Linda M Hartenstine	1
10809	BNA Soil Microwave	SW-846 3546	1	15045SLE026	02/16/2015 14:00	Kelli M Barto	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15042A34A	02/11/2015 19:45	Jeremy C Giffin	2040.82
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236782	02/10/2015 23:25	Scott W Freisher	n.a.
10736	PCBs Soil 8082 Microwave	SW-846 8082	1	150440006A	02/15/2015 22:09	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	150440006A	02/14/2015 07:30	Olivia Arosemena	1
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	150480013A	02/18/2015 17:45	Christine E Dolman	1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	150470032A	02/18/2015 23:56	Heather E Williams	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	150480013A	02/18/2015 02:30	Sherry L Morrow	1
11218	TPH Fuels Soils Extraction	SW-846 3546	1	150470032A	02/17/2015 13:00	Kelli M Barto	1
06949	Cadmium	SW-846 6010B	1	150445708003	02/20/2015 21:08	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010B	1	150445708003	02/20/2015 21:08	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010B	1	150445708003	02/20/2015 21:08	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010B	1	150445708003	02/20/2015 21:08	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010B	1	150445708003	02/20/2015 21:08	Elaine F Stoltzfus	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	150445708003	02/15/2015 17:19	Annamaria Kuhns	1

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

Sample Description: B5-S-20-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767310
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 09:50 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO520

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Acetone	67-64-1	N.D.	0.35	0.99	49.7
10237	t-Amyl methyl ether	994-05-8	N.D.	0.050	0.25	49.7
10237	Benzene	71-43-2	N.D.	0.025	0.25	49.7
10237	Bromobenzene	108-86-1	N.D.	0.050	0.25	49.7
10237	Bromochloromethane	74-97-5	N.D.	0.050	0.25	49.7
10237	Bromodichloromethane	75-27-4	N.D.	0.050	0.25	49.7
10237	Bromoform	75-25-2	N.D.	0.050	0.25	49.7
10237	Bromomethane	74-83-9	N.D.	0.099	0.25	49.7
10237	2-Butanone	78-93-3	N.D.	0.20	0.50	49.7
10237	t-Butyl alcohol	75-65-0	N.D.	0.99	5.0	49.7
10237	n-Butylbenzene	104-51-8	0.80	0.050	0.25	49.7
10237	sec-Butylbenzene	135-98-8	0.27	0.050	0.25	49.7
10237	tert-Butylbenzene	98-06-6	0.34	0.050	0.25	49.7
10237	Carbon Disulfide	75-15-0	N.D.	0.050	0.25	49.7
10237	Carbon Tetrachloride	56-23-5	N.D.	0.050	0.25	49.7
10237	Chlorobenzene	108-90-7	N.D.	0.050	0.25	49.7
10237	Chloroethane	75-00-3	N.D.	0.099	0.25	49.7
10237	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.099	0.50	49.7
10237	Chloroform	67-66-3	N.D.	0.050	0.25	49.7
10237	Chloromethane	74-87-3	N.D.	0.099	0.25	49.7
10237	2-Chlorotoluene	95-49-8	N.D.	0.050	0.25	49.7
10237	4-Chlorotoluene	106-43-4	N.D.	0.050	0.25	49.7
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.099	0.25	49.7
10237	Dibromochloromethane	124-48-1	N.D.	0.050	0.25	49.7
10237	1,2-Dibromoethane	106-93-4	N.D.	0.050	0.25	49.7
10237	Dibromomethane	74-95-3	N.D.	0.050	0.25	49.7
10237	1,2-Dichlorobenzene	95-50-1	N.D.	0.050	0.25	49.7
10237	1,3-Dichlorobenzene	541-73-1	N.D.	0.050	0.25	49.7
10237	1,4-Dichlorobenzene	106-46-7	N.D.	0.050	0.25	49.7
10237	Dichlorodifluoromethane	75-71-8	N.D.	0.099	0.25	49.7
10237	1,1-Dichloroethane	75-34-3	N.D.	0.050	0.25	49.7
10237	1,2-Dichloroethane	107-06-2	N.D.	0.050	0.25	49.7
10237	1,1-Dichloroethene	75-35-4	N.D.	0.050	0.25	49.7
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	0.050	0.25	49.7
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	0.050	0.25	49.7
10237	1,2-Dichloropropane	78-87-5	N.D.	0.050	0.25	49.7
10237	1,3-Dichloropropane	142-28-9	N.D.	0.050	0.25	49.7
10237	2,2-Dichloropropane	594-20-7	N.D.	0.050	0.25	49.7
10237	1,1-Dichloropropene	563-58-6	N.D.	0.050	0.25	49.7
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.050	0.25	49.7
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.050	0.25	49.7
10237	Ethanol	64-17-5	N.D.	5.0	25	49.7
10237	Ethyl t-butyl ether	637-92-3	N.D.	0.050	0.25	49.7
10237	Ethylbenzene	100-41-4	3.5	0.050	0.25	49.7
10237	Freon 113	76-13-1	N.D.	0.099	0.50	49.7
10237	Hexachlorobutadiene	87-68-3	N.D.	0.099	0.25	49.7
10237	2-Hexanone	591-78-6	N.D.	0.15	0.50	49.7
10237	di-Isopropyl ether	108-20-3	N.D.	0.050	0.25	49.7
10237	Isopropylbenzene	98-82-8	0.50	0.050	0.25	49.7
10237	p-Isopropyltoluene	99-87-6	0.13 J	0.050	0.25	49.7

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

Sample Description: B5-S-20-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767310
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 09:50 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO520

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.025	0.25	49.7
10237	4-Methyl-2-pentanone	108-10-1	N.D.	0.15	0.50	49.7
10237	Methylene Chloride	75-09-2	N.D.	0.099	0.25	49.7
10237	Naphthalene	91-20-3	1.4	0.050	0.25	49.7
10237	n-Propylbenzene	103-65-1	2.3	0.050	0.25	49.7
10237	Styrene	100-42-5	N.D.	0.050	0.25	49.7
10237	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.050	0.25	49.7
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.050	0.25	49.7
10237	Tetrachloroethene	127-18-4	N.D.	0.050	0.25	49.7
10237	Toluene	108-88-3	0.067 J	0.050	0.25	49.7
10237	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.050	0.25	49.7
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.050	0.25	49.7
10237	1,1,1-Trichloroethane	71-55-6	N.D.	0.050	0.25	49.7
10237	1,1,2-Trichloroethane	79-00-5	N.D.	0.050	0.25	49.7
10237	Trichloroethene	79-01-6	N.D.	0.050	0.25	49.7
10237	Trichlorofluoromethane	75-69-4	N.D.	0.099	0.25	49.7
10237	1,2,3-Trichloropropane	96-18-4	N.D.	0.050	0.25	49.7
10237	1,2,4-Trimethylbenzene	95-63-6	13	0.050	0.25	49.7
10237	1,3,5-Trimethylbenzene	108-67-8	4.4	0.050	0.25	49.7
10237	Vinyl Chloride	75-01-4	N.D.	0.050	0.25	49.7
10237	m+p-Xylene	179601-23-1	11	0.050	0.25	49.7
10237	o-Xylene	95-47-6	2.8	0.050	0.25	49.7
GC/MS	Semivolatiles	SW-846 8270C	mg/kg	mg/kg	mg/kg	
10727	Acenaphthene	83-32-9	N.D.	0.004	0.019	1
10727	Acenaphthylene	208-96-8	N.D.	0.004	0.019	1
10727	Anthracene	120-12-7	N.D.	0.004	0.019	1
10727	Benzo(a)anthracene	56-55-3	N.D.	0.004	0.019	1
10727	Benzo(a)pyrene	50-32-8	N.D.	0.004	0.019	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	0.004	0.019	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	0.004	0.019	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	0.004	0.019	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	0.018	0.037	1
10727	Butylbenzylphthalate	85-68-7	N.D.	0.073	0.18	1
10727	Di-n-butylphthalate	84-74-2	N.D.	0.073	0.18	1
10727	Carbazole	86-74-8	N.D.	0.018	0.037	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	0.018	0.037	1
10727	4-Chloroaniline	106-47-8	N.D.	0.018	0.037	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.018	0.037	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.018	0.037	1
10727	2-Chloronaphthalene	91-58-7	N.D.	0.008	0.036	1
10727	2-Chlorophenol	95-57-8	N.D.	0.018	0.037	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.018	0.037	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	0.018	0.037	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	N.D.	0.004	0.019	1

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

Sample Description: B5-S-20-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767310
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 09:50 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO520

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C	mg/kg	mg/kg	mg/kg	
10727	Dibenz (a, h) anthracene	53-70-3	N.D.	0.004	0.019	1
10727	Dibenzofuran	132-64-9	N.D.	0.018	0.037	1
10727	1,2-Dichlorobenzene	95-50-1	N.D.	0.018	0.037	1
10727	1,3-Dichlorobenzene	541-73-1	N.D.	0.018	0.037	1
10727	1,4-Dichlorobenzene	106-46-7	N.D.	0.018	0.037	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.11	0.37	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	0.018	0.037	1
10727	Diethylphthalate	84-66-2	N.D.	0.073	0.18	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	0.018	0.037	1
10727	Dimethylphthalate	131-11-3	N.D.	0.073	0.18	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.18	0.55	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	0.33	1.1	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	0.073	0.18	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	0.018	0.037	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.073	0.19	1
10727	Fluoranthene	206-44-0	N.D.	0.004	0.019	1
10727	Fluorene	86-73-7	N.D.	0.004	0.019	1
10727	Hexachlorobenzene	118-74-1	N.D.	0.004	0.019	1
10727	Hexachlorobutadiene	87-68-3	N.D.	0.018	0.037	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	0.18	0.55	1
10727	Hexachloroethane	67-72-1	N.D.	0.037	0.18	1
10727	Indeno (1,2,3-cd) pyrene	193-39-5	N.D.	0.004	0.019	1
10727	Isophorone	78-59-1	N.D.	0.018	0.037	1
10727	2-Methylnaphthalene	91-57-6	0.011 J	0.004	0.019	1
10727	2-Methylphenol	95-48-7	N.D.	0.018	0.037	1
10727	4-Methylphenol	106-44-5	N.D.	0.018	0.037	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10727	Naphthalene	91-20-3	0.008 J	0.004	0.019	1
10727	2-Nitroaniline	88-74-4	N.D.	0.018	0.037	1
10727	3-Nitroaniline	99-09-2	N.D.	0.073	0.18	1
10727	4-Nitroaniline	100-01-6	N.D.	0.073	0.18	1
10727	Nitrobenzene	98-95-3	N.D.	0.018	0.037	1
10727	2-Nitrophenol	88-75-5	N.D.	0.018	0.037	1
10727	4-Nitrophenol	100-02-7	N.D.	0.18	0.55	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.018	0.037	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	0.018	0.037	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10727	Di-n-octylphthalate	117-84-0	N.D.	0.073	0.18	1
10727	Pentachlorophenol	87-86-5	N.D.	0.037	0.19	1
10727	Phenanthrene	85-01-8	N.D.	0.004	0.019	1
10727	Phenol	108-95-2	1.1	0.018	0.037	1
10727	Pyrene	129-00-0	N.D.	0.004	0.019	1
10727	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.018	0.037	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	0.018	0.037	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	0.018	0.037	1

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

Sample Description: B5-S-20-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767310
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 09:50 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO520

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC Volatiles						
	SW-846 8015B modified		mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	61	4.8	9.6	238.78
Pesticides/PCBs						
	SW-846 8082		mg/kg	mg/kg	mg/kg	
10736	PCB-1016	12674-11-2	N.D.	0.0036	0.017	1
10736	PCB-1221	11104-28-2	N.D.	0.0045	0.017	1
10736	PCB-1232	11141-16-5	N.D.	0.0079	0.017	1
10736	PCB-1242	53469-21-9	N.D.	0.0033	0.017	1
10736	PCB-1248	12672-29-6	N.D.	0.0033	0.017	1
10736	PCB-1254	11097-69-1	N.D.	0.0033	0.017	1
10736	PCB-1260	11096-82-5	N.D.	0.0048	0.017	1
GC Miscellaneous						
	SW-846 8015B		mg/kg	mg/kg	mg/kg	
10941	TPH-DRO soil C10-C28 microwave	n.a.	32	4.0	12	1
GC Petroleum						
	SW-846 8015B modified		mg/kg	mg/kg	mg/kg	
Hydrocarbons						
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						
Metals						
	SW-846 6010B		mg/kg	mg/kg	mg/kg	
06949	Cadmium	7440-43-9	0.0843 J	0.0324	0.490	1
06951	Chromium	7440-47-3	83.9	0.108	1.47	1
06955	Lead	7439-92-1	3.77	0.490	1.47	1
06961	Nickel	7440-02-0	127	0.147	0.980	1
06972	Zinc	7440-66-6	39.2	0.255	1.96	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	8260 Full List + Sep Xylenes	SW-846 8260B	1	Q150471AA	02/16/2015 15:01	Sarah A Guill	49.7
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236782	02/10/2015 23:58	Scott W Freisher	n.a.

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

Sample Description: B5-S-20-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767310
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 09:50 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO520

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	2	201504236782	02/10/2015 23:58	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236782	02/10/2015 23:31	Scott W Freisher	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	15045SLE026	02/18/2015 12:25	Linda M Hartenstine	1
10809	BNA Soil Microwave	SW-846 3546	1	15045SLE026	02/16/2015 14:00	Kelli M Barto	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15042A34A	02/11/2015 20:21	Jeremy C Giffin	238.78
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236782	02/10/2015 23:30	Scott W Freisher	n.a.
10736	PCBs Soil 8082 Microwave	SW-846 8082	1	150440006A	02/15/2015 22:20	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	150440006A	02/14/2015 07:30	Olivia Arosemena	1
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	150480013A	02/18/2015 17:03	Christine E Dolman	1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	150470032A	02/19/2015 01:00	Heather E Williams	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	150480013A	02/18/2015 02:30	Sherry L Morrow	1
11218	TPH Fuels Soils Extraction	SW-846 3546	1	150470032A	02/17/2015 13:00	Kelli M Barto	1
06949	Cadmium	SW-846 6010B	1	150445708003	02/20/2015 20:22	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010B	1	150445708003	02/20/2015 20:22	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010B	1	150445708003	02/20/2015 20:22	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010B	1	150445708003	02/20/2015 20:22	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010B	1	150445708003	02/20/2015 20:22	Elaine F Stoltzfus	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	150445708003	02/15/2015 17:19	Annamaria Kuhns	1

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

Sample Description: B5-S-25-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767311
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 10:20 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO525

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Acetone	67-64-1	0.19	0.007	0.020	1.01
10237	t-Amyl methyl ether	994-05-8	N.D.	0.001	0.005	1.01
10237	Benzene	71-43-2	0.074	0.0005	0.005	1.01
10237	Bromobenzene	108-86-1	N.D.	0.001	0.005	1.01
10237	Bromochloromethane	74-97-5	N.D.	0.001	0.005	1.01
10237	Bromodichloromethane	75-27-4	N.D.	0.001	0.005	1.01
10237	Bromoform	75-25-2	N.D.	0.001	0.005	1.01
10237	Bromomethane	74-83-9	N.D.	0.002	0.005	1.01
10237	2-Butanone	78-93-3	0.054	0.004	0.010	1.01
10237	t-Butyl alcohol	75-65-0	0.23	0.020	0.10	1.01
10237	n-Butylbenzene	104-51-8	0.018	0.001	0.005	1.01
10237	sec-Butylbenzene	135-98-8	0.007	0.001	0.005	1.01
10237	tert-Butylbenzene	98-06-6	0.004 J	0.001	0.005	1.01
10237	Carbon Disulfide	75-15-0	N.D.	0.001	0.005	1.01
10237	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.005	1.01
10237	Chlorobenzene	108-90-7	N.D.	0.001	0.005	1.01
10237	Chloroethane	75-00-3	N.D.	0.002	0.005	1.01
10237	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.002	0.010	1.01
10237	Chloroform	67-66-3	N.D.	0.001	0.005	1.01
10237	Chloromethane	74-87-3	N.D.	0.002	0.005	1.01
10237	2-Chlorotoluene	95-49-8	N.D.	0.001	0.005	1.01
10237	4-Chlorotoluene	106-43-4	N.D.	0.001	0.005	1.01
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	0.005	1.01
10237	Dibromochloromethane	124-48-1	N.D.	0.001	0.005	1.01
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	1.01
10237	Dibromomethane	74-95-3	N.D.	0.001	0.005	1.01
10237	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	0.005	1.01
10237	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	0.005	1.01
10237	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	0.005	1.01
10237	Dichlorodifluoromethane	75-71-8	N.D.	0.002	0.005	1.01
10237	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.005	1.01
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	1.01
10237	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.005	1.01
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.005	1.01
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.005	1.01
10237	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.005	1.01
10237	1,3-Dichloropropane	142-28-9	N.D.	0.001	0.005	1.01
10237	2,2-Dichloropropane	594-20-7	N.D.	0.001	0.005	1.01
10237	1,1-Dichloropropene	563-58-6	N.D.	0.001	0.005	1.01
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.005	1.01
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.005	1.01
10237	Ethanol	64-17-5	N.D.	0.10	0.50	1.01
10237	Ethyl t-butyl ether	637-92-3	N.D.	0.001	0.005	1.01
10237	Ethylbenzene	100-41-4	0.026	0.001	0.005	1.01
10237	Freon 113	76-13-1	N.D.	0.002	0.010	1.01
10237	Hexachlorobutadiene	87-68-3	N.D.	0.002	0.005	1.01
10237	2-Hexanone	591-78-6	N.D.	0.003	0.010	1.01
10237	di-Isopropyl ether	108-20-3	N.D.	0.001	0.005	1.01
10237	Isopropylbenzene	98-82-8	0.008	0.001	0.005	1.01
10237	p-Isopropyltoluene	99-87-6	0.004 J	0.001	0.005	1.01

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

Sample Description: B5-S-25-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767311
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 10:20 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO525

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.28	0.0005	0.005	1.01
10237	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	0.010	1.01
10237	Methylene Chloride	75-09-2	N.D.	0.002	0.005	1.01
10237	Naphthalene	91-20-3	0.006	0.001	0.005	1.01
10237	n-Propylbenzene	103-65-1	0.028	0.001	0.005	1.01
10237	Styrene	100-42-5	N.D.	0.001	0.005	1.01
10237	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.001	0.005	1.01
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.005	1.01
10237	Tetrachloroethene	127-18-4	N.D.	0.001	0.005	1.01
10237	Toluene	108-88-3	0.002 J	0.001	0.005	1.01
10237	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.001	0.005	1.01
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	0.005	1.01
10237	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.005	1.01
10237	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.005	1.01
10237	Trichloroethene	79-01-6	N.D.	0.001	0.005	1.01
10237	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.005	1.01
10237	1,2,3-Trichloropropane	96-18-4	N.D.	0.001	0.005	1.01
10237	1,2,4-Trimethylbenzene	95-63-6	0.040	0.001	0.005	1.01
10237	1,3,5-Trimethylbenzene	108-67-8	0.014	0.001	0.005	1.01
10237	Vinyl Chloride	75-01-4	N.D.	0.001	0.005	1.01
10237	m+p-Xylene	179601-23-1	0.033	0.001	0.005	1.01
10237	o-Xylene	95-47-6	0.012	0.001	0.005	1.01
GC/MS	Semivolatiles	SW-846 8270C	mg/kg	mg/kg	mg/kg	
10727	Acenaphthene	83-32-9	N.D.	0.003	0.017	1
10727	Acenaphthylene	208-96-8	N.D.	0.003	0.017	1
10727	Anthracene	120-12-7	N.D.	0.003	0.017	1
10727	Benzo(a)anthracene	56-55-3	N.D.	0.003	0.017	1
10727	Benzo(a)pyrene	50-32-8	N.D.	0.003	0.017	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	0.003	0.017	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	0.003	0.017	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	0.003	0.017	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	0.017	0.033	1
10727	Butylbenzylphthalate	85-68-7	N.D.	0.067	0.17	1
10727	Di-n-butylphthalate	84-74-2	N.D.	0.067	0.17	1
10727	Carbazole	86-74-8	N.D.	0.017	0.033	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	0.017	0.033	1
10727	4-Chloroaniline	106-47-8	N.D.	0.017	0.033	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.017	0.033	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.017	0.033	1
10727	2-Chloronaphthalene	91-58-7	N.D.	0.007	0.033	1
10727	2-Chlorophenol	95-57-8	N.D.	0.017	0.033	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.017	0.033	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	0.017	0.033	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	N.D.	0.003	0.017	1

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

Sample Description: B5-S-25-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767311
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 10:20 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO525

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C	mg/kg	mg/kg	mg/kg	
10727	Dibenz (a, h) anthracene	53-70-3	N.D.	0.003	0.017	1
10727	Dibenzofuran	132-64-9	N.D.	0.017	0.033	1
10727	1,2-Dichlorobenzene	95-50-1	N.D.	0.017	0.033	1
10727	1,3-Dichlorobenzene	541-73-1	N.D.	0.017	0.033	1
10727	1,4-Dichlorobenzene	106-46-7	N.D.	0.017	0.033	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.10	0.33	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	0.017	0.033	1
10727	Diethylphthalate	84-66-2	N.D.	0.067	0.17	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	0.017	0.033	1
10727	Dimethylphthalate	131-11-3	N.D.	0.067	0.17	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.17	0.50	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	0.30	1.0	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	0.067	0.17	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	0.017	0.033	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.067	0.17	1
10727	Fluoranthene	206-44-0	N.D.	0.003	0.017	1
10727	Fluorene	86-73-7	N.D.	0.003	0.017	1
10727	Hexachlorobenzene	118-74-1	N.D.	0.003	0.017	1
10727	Hexachlorobutadiene	87-68-3	N.D.	0.017	0.033	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	0.17	0.50	1
10727	Hexachloroethane	67-72-1	N.D.	0.033	0.17	1
10727	Indeno (1,2,3-cd) pyrene	193-39-5	N.D.	0.003	0.017	1
10727	Isophorone	78-59-1	N.D.	0.017	0.033	1
10727	2-Methylnaphthalene	91-57-6	0.009 J	0.003	0.017	1
10727	2-Methylphenol	95-48-7	N.D.	0.017	0.033	1
10727	4-Methylphenol	106-44-5	N.D.	0.017	0.033	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10727	Naphthalene	91-20-3	0.006 J	0.003	0.017	1
10727	2-Nitroaniline	88-74-4	N.D.	0.017	0.033	1
10727	3-Nitroaniline	99-09-2	N.D.	0.067	0.17	1
10727	4-Nitroaniline	100-01-6	N.D.	0.067	0.17	1
10727	Nitrobenzene	98-95-3	N.D.	0.017	0.033	1
10727	2-Nitrophenol	88-75-5	N.D.	0.017	0.033	1
10727	4-Nitrophenol	100-02-7	N.D.	0.17	0.50	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.017	0.033	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	0.017	0.033	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10727	Di-n-octylphthalate	117-84-0	N.D.	0.067	0.17	1
10727	Pentachlorophenol	87-86-5	N.D.	0.033	0.17	1
10727	Phenanthrene	85-01-8	N.D.	0.003	0.017	1
10727	Phenol	108-95-2	1.6	0.017	0.033	1
10727	Pyrene	129-00-0	N.D.	0.003	0.017	1
10727	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.017	0.033	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	0.017	0.033	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	0.017	0.033	1

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

Sample Description: B5-S-25-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767311
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 10:20 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO525

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC Volatiles SW-846 8015B modified mg/kg						
01725	TPH-GRO N. CA soil C6-C12	n.a.	4.1	0.5	1	24.56
Pesticides/PCBs SW-846 8082 mg/kg						
10736	PCB-1016	12674-11-2	N.D.	0.0036	0.017	1
10736	PCB-1221	11104-28-2	N.D.	0.0046	0.017	1
10736	PCB-1232	11141-16-5	N.D.	0.0079	0.017	1
10736	PCB-1242	53469-21-9	N.D.	0.0033	0.017	1
10736	PCB-1248	12672-29-6	N.D.	0.0033	0.017	1
10736	PCB-1254	11097-69-1	N.D.	0.0033	0.017	1
10736	PCB-1260	11096-82-5	N.D.	0.0049	0.017	1
GC Miscellaneous SW-846 8015B mg/kg						
10941	TPH-DRO soil C10-C28 microwave	n.a.	9.2 J	4.0	12	1
GC Petroleum SW-846 8015B modified mg/kg						
Hydrocarbons						
02516	Total TPH	n.a.	N.D.	9.9	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	9.9	30	1
TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						
Metals SW-846 6010B mg/kg						
06949	Cadmium	7440-43-9	0.0431 J	0.0324	0.490	1
06951	Chromium	7440-47-3	41.3	0.108	1.47	1
06955	Lead	7439-92-1	4.97	0.490	1.47	1
06961	Nickel	7440-02-0	70.7	0.147	0.980	1
06972	Zinc	7440-66-6	44.4	0.255	1.96	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	8260 Full List + Sep Xylenes	SW-846 8260B	1	B150431AA	02/12/2015 17:52	Chelsea B Stong	1.01
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236782	02/10/2015 23:58	Scott W Freisher	n.a.

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

Sample Description: B5-S-25-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767311
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 10:20 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO525

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	2	201504236782	02/10/2015 23:58	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236782	02/10/2015 23:37	Scott W Freisher	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	15045SLE026	02/18/2015 12:48	Linda M Hartenstine	1
10809	BNA Soil Microwave	SW-846 3546	1	15045SLE026	02/16/2015 14:00	Kelli M Barto	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15042A34A	02/11/2015 20:57	Jeremy C Giffin	24.56
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236782	02/10/2015 23:37	Scott W Freisher	n.a.
10736	PCBs Soil 8082 Microwave	SW-846 8082	1	150440006A	02/15/2015 22:31	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	150440006A	02/14/2015 07:30	Olivia Arosemena	1
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	150480013A	02/18/2015 15:18	Christine E Dolman	1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	150470032A	02/19/2015 00:18	Heather E Williams	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	150480013A	02/18/2015 02:30	Sherry L Morrow	1
11218	TPH Fuels Soils Extraction	SW-846 3546	1	150470032A	02/17/2015 13:00	Kelli M Barto	1
06949	Cadmium	SW-846 6010B	1	150445708003	02/20/2015 21:12	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010B	1	150445708003	02/20/2015 21:12	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010B	1	150445708003	02/20/2015 21:12	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010B	1	150445708003	02/20/2015 21:12	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010B	1	150445708003	02/20/2015 21:12	Elaine F Stoltzfus	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	150445708003	02/15/2015 17:19	Annamaria Kuhns	1

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

Sample Description: B5-S-30-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767312
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 10:50 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO530

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Acetone	67-64-1	N.D.	0.37	1.0	52.3
10237	t-Amyl methyl ether	994-05-8	N.D.	0.052	0.26	52.3
10237	Benzene	71-43-2	N.D.	0.026	0.26	52.3
10237	Bromobenzene	108-86-1	N.D.	0.052	0.26	52.3
10237	Bromochloromethane	74-97-5	N.D.	0.052	0.26	52.3
10237	Bromodichloromethane	75-27-4	N.D.	0.052	0.26	52.3
10237	Bromoform	75-25-2	N.D.	0.052	0.26	52.3
10237	Bromomethane	74-83-9	N.D.	0.10	0.26	52.3
10237	2-Butanone	78-93-3	N.D.	0.21	0.52	52.3
10237	t-Butyl alcohol	75-65-0	N.D.	1.0	5.2	52.3
10237	n-Butylbenzene	104-51-8	0.17 J	0.052	0.26	52.3
10237	sec-Butylbenzene	135-98-8	0.075 J	0.052	0.26	52.3
10237	tert-Butylbenzene	98-06-6	0.054 J	0.052	0.26	52.3
10237	Carbon Disulfide	75-15-0	N.D.	0.052	0.26	52.3
10237	Carbon Tetrachloride	56-23-5	N.D.	0.052	0.26	52.3
10237	Chlorobenzene	108-90-7	N.D.	0.052	0.26	52.3
10237	Chloroethane	75-00-3	N.D.	0.10	0.26	52.3
10237	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.10	0.52	52.3
10237	Chloroform	67-66-3	N.D.	0.052	0.26	52.3
10237	Chloromethane	74-87-3	N.D.	0.10	0.26	52.3
10237	2-Chlorotoluene	95-49-8	N.D.	0.052	0.26	52.3
10237	4-Chlorotoluene	106-43-4	N.D.	0.052	0.26	52.3
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.10	0.26	52.3
10237	Dibromochloromethane	124-48-1	N.D.	0.052	0.26	52.3
10237	1,2-Dibromoethane	106-93-4	N.D.	0.052	0.26	52.3
10237	Dibromomethane	74-95-3	N.D.	0.052	0.26	52.3
10237	1,2-Dichlorobenzene	95-50-1	N.D.	0.052	0.26	52.3
10237	1,3-Dichlorobenzene	541-73-1	N.D.	0.052	0.26	52.3
10237	1,4-Dichlorobenzene	106-46-7	N.D.	0.052	0.26	52.3
10237	Dichlorodifluoromethane	75-71-8	N.D.	0.10	0.26	52.3
10237	1,1-Dichloroethane	75-34-3	N.D.	0.052	0.26	52.3
10237	1,2-Dichloroethane	107-06-2	N.D.	0.052	0.26	52.3
10237	1,1-Dichloroethene	75-35-4	N.D.	0.052	0.26	52.3
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	0.052	0.26	52.3
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	0.052	0.26	52.3
10237	1,2-Dichloropropane	78-87-5	N.D.	0.052	0.26	52.3
10237	1,3-Dichloropropane	142-28-9	N.D.	0.052	0.26	52.3
10237	2,2-Dichloropropane	594-20-7	N.D.	0.052	0.26	52.3
10237	1,1-Dichloropropene	563-58-6	N.D.	0.052	0.26	52.3
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.052	0.26	52.3
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.052	0.26	52.3
10237	Ethanol	64-17-5	N.D.	5.2	26	52.3
10237	Ethyl t-butyl ether	637-92-3	N.D.	0.052	0.26	52.3
10237	Ethylbenzene	100-41-4	1.8	0.052	0.26	52.3
10237	Freon 113	76-13-1	N.D.	0.10	0.52	52.3
10237	Hexachlorobutadiene	87-68-3	N.D.	0.10	0.26	52.3
10237	2-Hexanone	591-78-6	N.D.	0.16	0.52	52.3
10237	di-Isopropyl ether	108-20-3	N.D.	0.052	0.26	52.3
10237	Isopropylbenzene	98-82-8	0.16 J	0.052	0.26	52.3
10237	p-Isopropyltoluene	99-87-6	N.D.	0.052	0.26	52.3

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

Sample Description: B5-S-30-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767312
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 10:50 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO530

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.055 J	0.026	0.26	52.3
10237	4-Methyl-2-pentanone	108-10-1	N.D.	0.16	0.52	52.3
10237	Methylene Chloride	75-09-2	N.D.	0.10	0.26	52.3
10237	Naphthalene	91-20-3	0.20 J	0.052	0.26	52.3
10237	n-Propylbenzene	103-65-1	0.68	0.052	0.26	52.3
10237	Styrene	100-42-5	N.D.	0.052	0.26	52.3
10237	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.052	0.26	52.3
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.052	0.26	52.3
10237	Tetrachloroethene	127-18-4	N.D.	0.052	0.26	52.3
10237	Toluene	108-88-3	0.18 J	0.052	0.26	52.3
10237	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.052	0.26	52.3
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.052	0.26	52.3
10237	1,1,1-Trichloroethane	71-55-6	N.D.	0.052	0.26	52.3
10237	1,1,2-Trichloroethane	79-00-5	N.D.	0.052	0.26	52.3
10237	Trichloroethene	79-01-6	N.D.	0.052	0.26	52.3
10237	Trichlorofluoromethane	75-69-4	N.D.	0.10	0.26	52.3
10237	1,2,3-Trichloropropane	96-18-4	N.D.	0.052	0.26	52.3
10237	1,2,4-Trimethylbenzene	95-63-6	3.2	0.052	0.26	52.3
10237	1,3,5-Trimethylbenzene	108-67-8	1.1	0.052	0.26	52.3
10237	Vinyl Chloride	75-01-4	N.D.	0.052	0.26	52.3
10237	m+p-Xylene	179601-23-1	6.3	0.052	0.26	52.3
10237	o-Xylene	95-47-6	1.8	0.052	0.26	52.3
GC/MS	Semivolatiles	SW-846 8270C	mg/kg	mg/kg	mg/kg	
10727	Acenaphthene	83-32-9	N.D.	0.003	0.017	1
10727	Acenaphthylene	208-96-8	N.D.	0.003	0.017	1
10727	Anthracene	120-12-7	N.D.	0.003	0.017	1
10727	Benzo(a)anthracene	56-55-3	N.D.	0.003	0.017	1
10727	Benzo(a)pyrene	50-32-8	N.D.	0.003	0.017	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	0.003	0.017	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	0.003	0.017	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	0.003	0.017	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	0.017	0.033	1
10727	Butylbenzylphthalate	85-68-7	N.D.	0.067	0.17	1
10727	Di-n-butylphthalate	84-74-2	N.D.	0.067	0.17	1
10727	Carbazole	86-74-8	N.D.	0.017	0.033	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	0.017	0.033	1
10727	4-Chloroaniline	106-47-8	N.D.	0.017	0.033	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.017	0.033	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.017	0.033	1
10727	2-Chloronaphthalene	91-58-7	N.D.	0.007	0.033	1
10727	2-Chlorophenol	95-57-8	N.D.	0.017	0.033	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.017	0.033	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	0.017	0.033	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	N.D.	0.003	0.017	1

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

Sample Description: B5-S-30-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767312
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 10:50 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO530

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C	mg/kg	mg/kg	mg/kg	
10727	Dibenz (a, h) anthracene	53-70-3	N.D.	0.003	0.017	1
10727	Dibenzofuran	132-64-9	N.D.	0.017	0.033	1
10727	1,2-Dichlorobenzene	95-50-1	N.D.	0.017	0.033	1
10727	1,3-Dichlorobenzene	541-73-1	N.D.	0.017	0.033	1
10727	1,4-Dichlorobenzene	106-46-7	N.D.	0.017	0.033	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.10	0.33	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	0.017	0.033	1
10727	Diethylphthalate	84-66-2	N.D.	0.067	0.17	1
10727	2,4-Dimethylphenol	105-67-9	0.068	0.017	0.033	1
10727	Dimethylphthalate	131-11-3	N.D.	0.067	0.17	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.17	0.50	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	0.30	1.0	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	0.067	0.17	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	0.017	0.033	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.067	0.17	1
10727	Fluoranthene	206-44-0	N.D.	0.003	0.017	1
10727	Fluorene	86-73-7	N.D.	0.003	0.017	1
10727	Hexachlorobenzene	118-74-1	N.D.	0.003	0.017	1
10727	Hexachlorobutadiene	87-68-3	N.D.	0.017	0.033	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	0.17	0.50	1
10727	Hexachloroethane	67-72-1	N.D.	0.033	0.17	1
10727	Indeno (1,2,3-cd) pyrene	193-39-5	N.D.	0.003	0.017	1
10727	Isophorone	78-59-1	N.D.	0.017	0.033	1
10727	2-Methylnaphthalene	91-57-6	0.075	0.003	0.017	1
10727	2-Methylphenol	95-48-7	N.D.	0.017	0.033	1
10727	4-Methylphenol	106-44-5	N.D.	0.017	0.033	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10727	Naphthalene	91-20-3	0.085	0.003	0.017	1
10727	2-Nitroaniline	88-74-4	N.D.	0.017	0.033	1
10727	3-Nitroaniline	99-09-2	N.D.	0.067	0.17	1
10727	4-Nitroaniline	100-01-6	N.D.	0.067	0.17	1
10727	Nitrobenzene	98-95-3	N.D.	0.017	0.033	1
10727	2-Nitrophenol	88-75-5	N.D.	0.017	0.033	1
10727	4-Nitrophenol	100-02-7	N.D.	0.17	0.50	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.017	0.033	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	0.017	0.033	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10727	Di-n-octylphthalate	117-84-0	N.D.	0.067	0.17	1
10727	Pentachlorophenol	87-86-5	N.D.	0.033	0.17	1
10727	Phenanthrene	85-01-8	N.D.	0.003	0.017	1
10727	Phenol	108-95-2	2.0	0.017	0.033	1
10727	Pyrene	129-00-0	0.004 J	0.003	0.017	1
10727	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.017	0.033	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	0.017	0.033	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	0.017	0.033	1

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

Sample Description: B5-S-30-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767312
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 10:50 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO530

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC Volatiles						
	SW-846 8015B modified		mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	48	5.0	10	251.76
Pesticides/PCBs						
	SW-846 8082		mg/kg	mg/kg	mg/kg	
10736	PCB-1016	12674-11-2	N.D.	0.0036	0.017	1
10736	PCB-1221	11104-28-2	N.D.	0.0046	0.017	1
10736	PCB-1232	11141-16-5	N.D.	0.0079	0.017	1
10736	PCB-1242	53469-21-9	N.D.	0.0033	0.017	1
10736	PCB-1248	12672-29-6	N.D.	0.0033	0.017	1
10736	PCB-1254	11097-69-1	N.D.	0.0033	0.017	1
10736	PCB-1260	11096-82-5	N.D.	0.0049	0.017	1
GC Miscellaneous						
	SW-846 8015B		mg/kg	mg/kg	mg/kg	
10941	TPH-DRO soil C10-C28 microwave	n.a.	27	4.0	12	1
GC Petroleum						
	SW-846 8015B modified		mg/kg	mg/kg	mg/kg	
Hydrocarbons						
02516	Total TPH	n.a.	N.D.	9.9	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	9.9	30	1
TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						
Metals						
	SW-846 6010B		mg/kg	mg/kg	mg/kg	
06949	Cadmium	7440-43-9	0.123 J	0.0327	0.495	1
06951	Chromium	7440-47-3	46.9	0.109	1.49	1
06955	Lead	7439-92-1	4.55	0.495	1.49	1
06961	Nickel	7440-02-0	57.3	0.149	0.990	1
06972	Zinc	7440-66-6	39.1	0.257	1.98	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	8260 Full List + Sep Xylenes	SW-846 8260B	1	Q150471AA	02/16/2015 15:24	Sarah A Guill	52.3
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 12:48	Stephanie A Sanchez	n.a.

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

Sample Description: B5-S-30-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767312
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 10:50 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO530

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	2	201504236788	02/11/2015 12:48	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 12:25	Stephanie A Sanchez	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	15045SLE026	02/18/2015 13:12	Linda M Hartenstine	1
10809	BNA Soil Microwave	SW-846 3546	1	15045SLE026	02/16/2015 14:00	Kelli M Barto	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15044A34A	02/16/2015 15:34	Jeremy C Giffin	251.76
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 12:27	Stephanie A Sanchez	n.a.
10736	PCBs Soil 8082 Microwave	SW-846 8082	1	150440006A	02/15/2015 22:43	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	150440006A	02/14/2015 07:30	Olivia Arosemena	1
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	150480013A	02/18/2015 17:24	Christine E Dolman	1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	150470032A	02/19/2015 01:22	Heather E Williams	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	150480013A	02/18/2015 02:30	Sherry L Morrow	1
11218	TPH Fuels Soils Extraction	SW-846 3546	1	150470032A	02/17/2015 13:00	Kelli M Barto	1
06949	Cadmium	SW-846 6010B	1	150445708003	02/20/2015 21:16	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010B	1	150445708003	02/20/2015 21:16	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010B	1	150445708003	02/20/2015 21:16	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010B	1	150445708003	02/20/2015 21:16	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010B	1	150445708003	02/20/2015 21:16	Elaine F Stoltzfus	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	150445708003	02/15/2015 17:19	Annamaria Kuhns	1

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

Sample Description: VP-5-S-3-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767313
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 12:50 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FOV53

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.0008 J	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	0.002 J	0.0005	0.005	1.01
10237	Naphthalene	91-20-3	N.D.	0.001	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
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	1.2	0.5	1.0	26.1

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	A150422AA	02/12/2015 08:14	Stephanie A Selis	1.01
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:09	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 09:09	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 08:27	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15048A34A	02/18/2015 05:41	Jeremy C Giffin	26.1
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 08:28	Stephanie A Sanchez	n.a.

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

Sample Description: VP-5-S-6-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767314
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 13:05 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FOV56

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	mg/kg	
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	0.01	0.0005	0.005	1.07
10237	Naphthalene	91-20-3	N.D.	0.001	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
GC Volatiles			SW-846 8015B modified	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	A150422AA	02/12/2015 08:37	Stephanie A Selis	1.07
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:08	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 09:08	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 08:29	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15043A34A	02/12/2015 14:22	Jeremy C Giffin	24.25
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 08:30	Stephanie A Sanchez	n.a.

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

Sample Description: VP-6-S-3-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767315
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 14:35 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FOV63

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.010	0.0005	0.005	0.98
10237	Ethylbenzene	100-41-4	0.002 J	0.001	0.005	0.98
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.002 J	0.0005	0.005	0.98
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	0.98
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.98
10237	Xylene (Total)	1330-20-7	0.003 J	0.001	0.005	0.98
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1	24.06

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	A150422AA	02/12/2015 08:59	Stephanie A Selis	0.98
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:09	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 09:09	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 08:33	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15043A34A	02/12/2015 14:58	Jeremy C Giffin	24.06
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 08:34	Stephanie A Sanchez	n.a.

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

Sample Description: VP-6-S-6-150204 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767316
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/04/2015 14:45 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FOV66

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	mg/kg	mg/kg
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	0.0009 J	0.0005	0.005	1.03
10237	Naphthalene	91-20-3	N.D.	0.001	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
GC Volatiles			SW-846 8015B modified	mg/kg	mg/kg	mg/kg
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1	23.83

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	A150422AA	02/12/2015 09:22	Stephanie A Selis	1.03
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:08	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 09:08	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 08:34	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15043A34A	02/12/2015 15:34	Jeremy C Giffin	23.83
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 08:35	Stephanie A Sanchez	n.a.

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

Sample Description: VP-4-S-3-150205 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767317
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/05/2015 13:20 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FOV43

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.001 J	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	Naphthalene	91-20-3	N.D.	0.001	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
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1.0	25.13

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	A150422AA	02/12/2015 09:45	Stephanie A Selis	1.03
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:09	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 09:09	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 08:38	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15043A34A	02/12/2015 16:10	Jeremy C Giffin	25.13
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 08:39	Stephanie A Sanchez	n.a.

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

Sample Description: VP-4-S-6-150205 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767318
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/05/2015 15:00 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FOV46

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
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	Naphthalene	91-20-3	N.D.	0.001	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
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1	24.73

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	A150422AA	02/12/2015 10:07	Stephanie A Selis	1.06
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:08	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 09:08	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 08:38	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15043A34A	02/12/2015 16:46	Jeremy C Giffin	24.73
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 08:39	Stephanie A Sanchez	n.a.

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

Sample Description: B3-S-3-150205 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767319
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/05/2015 08:35 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO303

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.003 J	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	0.002 J	0.0005	0.005	1.03
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1.03
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.03
10237	Xylene (Total)	1330-20-7	0.003 J	0.001	0.005	1.03
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	0.7 J	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B150431AA	02/12/2015 13:47	Chelsea B Stong	1.03
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:08	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 09:08	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 08:42	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15043A34A	02/12/2015 17:22	Jeremy C Giffin	24.25
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 08:43	Stephanie A Sanchez	n.a.

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

Sample Description: B3-S-8-150205 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767320
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/05/2015 08:55 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO308

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.24 J	0.025	0.25	49.9
10237	Ethylbenzene	100-41-4	5.1	0.050	0.25	49.9
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.025	0.25	49.9
10237	Naphthalene	91-20-3	5.1	0.050	0.25	49.9
10237	Toluene	108-88-3	N.D.	0.050	0.25	49.9
10237	Xylene (Total)	1330-20-7	6.9	0.050	0.25	49.9
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	250	51	100	2525.25

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	R150431AA	02/12/2015 09:32	Stephanie A Selis	49.9
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:09	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 09:09	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 08:43	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15043A34A	02/12/2015 23:21	Jeremy C Giffin	2525.25
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 08:44	Stephanie A Sanchez	n.a.

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

Sample Description: B3-S-10-150205 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767321
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/05/2015 09:10 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO310

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.15 J	0.025	0.25	50.1
10237	Ethylbenzene	100-41-4	3.4	0.050	0.25	50.1
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.029 J	0.025	0.25	50.1
10237	Naphthalene	91-20-3	1.6	0.050	0.25	50.1
10237	Toluene	108-88-3	N.D.	0.050	0.25	50.1
10237	Xylene (Total)	1330-20-7	8.6	0.050	0.25	50.1
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	270	49	99	2472.8

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	Q150431AA	02/12/2015 13:16	Anita M Dale	50.1
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:08	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 09:08	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 08:46	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15043A34A	02/13/2015 00:33	Jeremy C Giffin	2472.8
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 08:47	Stephanie A Sanchez	n.a.

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

Sample Description: B3-S-15-150205 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767322
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/05/2015 09:20 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO315

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	mg/kg	mg/kg
10237	Benzene	71-43-2	0.035	0.0005	0.005	1.02
10237	Ethylbenzene	100-41-4	0.020	0.001	0.005	1.02
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.011	0.0005	0.005	1.02
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1.02
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.02
10237	Xylene (Total)	1330-20-7	0.009	0.001	0.005	1.02
GC Volatiles			SW-846 8015B modified	mg/kg	mg/kg	mg/kg
01725	TPH-GRO N. CA soil C6-C12	n.a.	3.6	0.5	1.0	25.54

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B150431AA	02/12/2015 18:59	Chelsea B Stong	1.02
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:09	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 09:09	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 08:48	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15043A34A	02/12/2015 19:10	Jeremy C Giffin	25.54
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 08:49	Stephanie A Sanchez	n.a.

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

Sample Description: B3-S-20-150205 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767323
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/05/2015 09:35 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO320

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.17 J	0.026	0.26	52.52
10237	Ethylbenzene	100-41-4	4.8	0.053	0.26	52.52
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.026	0.26	52.52
10237	Naphthalene	91-20-3	2.1	0.053	0.26	52.52
10237	Toluene	108-88-3	N.D.	0.053	0.26	52.52
10237	Xylene (Total)	1330-20-7	13	0.053	0.26	52.52
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	120	49	99	2470.36

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	Q150431AA	02/12/2015 13:39	Anita M Dale	52.52
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:08	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 09:08	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 08:50	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15043A34A	02/12/2015 23:57	Jeremy C Giffin	2470.36
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 08:51	Stephanie A Sanchez	n.a.

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

Sample Description: B3-S-25-150205 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767324
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/05/2015 09:45 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO325

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.003 J	0.0005	0.005	0.95
10237	Ethylbenzene	100-41-4	0.001 J	0.0009	0.005	0.95
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.013	0.0005	0.005	0.95
10237	Naphthalene	91-20-3	N.D.	0.0009	0.005	0.95
10237	Toluene	108-88-3	N.D.	0.0009	0.005	0.95
10237	Xylene (Total)	1330-20-7	0.003 J	0.0009	0.005	0.95
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1	24.85

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B150431AA	02/12/2015 14:09	Chelsea B Stong	0.95
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:09	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 09:09	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 08:53	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15043A34A	02/12/2015 19:46	Jeremy C Giffin	24.85
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 08:55	Stephanie A Sanchez	n.a.

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

Sample Description: B3-S-30-150205 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767325
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/05/2015 10:00 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO330

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.003 J	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	0.006	0.0005	0.005	1
10237	Naphthalene	91-20-3	0.011	0.001	0.005	1
10237	Toluene	108-88-3	N.D.	0.001	0.005	1
10237	Xylene (Total)	1330-20-7	0.020	0.001	0.005	1
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B150431AA	02/12/2015 14:31	Chelsea B Stong	1
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:08	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 09:08	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 08:53	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15043A34A	02/12/2015 20:22	Jeremy C Giffin	25.48
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 08:54	Stephanie A Sanchez	n.a.

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

Sample Description: B4-S-3-150205 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767326
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/05/2015 11:05 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO403

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.002 J	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	Naphthalene	91-20-3	N.D.	0.001	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
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	0.8 J	0.5	1	24.65

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B150431AA	02/12/2015 14:53	Chelsea B Stong	1.01
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:09	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 09:09	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:00	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15043A34A	02/12/2015 20:57	Jeremy C Giffin	24.65
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:02	Stephanie A Sanchez	n.a.

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

Sample Description: B4-S-8-150205 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767327
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/05/2015 11:25 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO408

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.001 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	0.0007 J	0.0005	0.005	0.99
10237	Naphthalene	91-20-3	N.D.	0.001	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
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B150431AA	02/12/2015 15:15	Chelsea B Stong	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:08	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 09:08	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:00	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15043A34A	02/12/2015 21:33	Jeremy C Giffin	25.51
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:01	Stephanie A Sanchez	n.a.

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

Sample Description: B4-S-10-150205 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767328
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/05/2015 12:05 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO410

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.005	0.0005	0.005	0.99
10237	Ethylbenzene	100-41-4	0.011	0.001	0.005	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.017	0.0005	0.005	0.99
10237	Naphthalene	91-20-3	0.013	0.001	0.005	0.99
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.99
10237	Xylene (Total)	1330-20-7	0.004 J	0.001	0.005	0.99
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	16	0.5	1.0	25.08

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B150431AA	02/12/2015 19:21	Chelsea B Stong	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:08	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 09:08	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:04	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15043A34A	02/12/2015 22:09	Jeremy C Giffin	25.08
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:05	Stephanie A Sanchez	n.a.

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

Sample Description: B4-S-15-150205 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767329
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/05/2015 12:10 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO415

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles			mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.076	0.0005	0.005	1.02
10237	Ethylbenzene	100-41-4	0.21	0.001	0.005	1.02
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.052	0.0005	0.005	1.02
10237	Naphthalene	91-20-3	0.23 J	0.053	0.26	52.85
10237	Toluene	108-88-3	0.001 J	0.001	0.005	1.02
10237	Xylene (Total)	1330-20-7	0.31	0.001	0.005	1.02

The concentration reported for Naphthalene is estimated since it exceeds the calibration range of the instrument when determined by the low level method, but is less than the quantitation limit when determined by the high level method. The result reported is from the high level determination.

GC Volatiles	SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	22	2.0	4.0 100

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B150431AA	02/12/2015 20:06	Chelsea B Stong	1.02
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	Q150471AA	02/16/2015 18:53	Sarah A Guill	52.85
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:09	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 09:09	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:06	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15043A34A	02/12/2015 22:45	Jeremy C Giffin	100
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:08	Stephanie A Sanchez	n.a.

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

Sample Description: B4-S-20-150205 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767330
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/05/2015 12:20 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO420

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.14 J	0.026	0.26	51.44
10237	Ethylbenzene	100-41-4	0.82	0.051	0.26	51.44
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.026	0.26	51.44
10237	Naphthalene	91-20-3	0.58	0.051	0.26	51.44
10237	Toluene	108-88-3	N.D.	0.051	0.26	51.44
10237	Xylene (Total)	1330-20-7	1.2	0.051	0.26	51.44
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	74	5.0	10	250.25

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	Q150431AA	02/12/2015 09:39	Anita M Dale	51.44
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:35	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 09:35	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:12	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15043A34A	02/12/2015 17:58	Jeremy C Giffin	250.25
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:14	Stephanie A Sanchez	n.a.

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

Sample Description: B4-S-25-150205 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767331
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/05/2015 12:30 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO425

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles			mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.87	0.027	0.27	54.7
10237	Ethylbenzene	100-41-4	4.3	0.055	0.27	54.7
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.28	0.027	0.27	54.7
10237	Naphthalene	91-20-3	0.35	0.055	0.27	54.7
10237	Toluene	108-88-3	N.D.	0.055	0.27	54.7
10237	Xylene (Total)	1330-20-7	4.0	0.055	0.27	54.7
GC Volatiles			mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	320	10	20	501.5

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
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	Q150431AA	02/12/2015 14:26	Anita M Dale	54.7
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:35	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 09:35	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:20	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15043B34A	02/13/2015 22:57	Jeremy C Giffin	501.5
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:22	Stephanie A Sanchez	n.a.

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

Sample Description: B4-S-30-150205 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767332
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/05/2015 12:45 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO430

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.27	0.0005	0.005	0.99
10237	Ethylbenzene	100-41-4	0.098	0.001	0.005	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.11	0.0005	0.005	0.99
10237	Naphthalene	91-20-3	0.006	0.001	0.005	0.99
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.99
10237	Xylene (Total)	1330-20-7	0.006	0.001	0.005	0.99
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	7.7	0.5	1	24.78

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B150431AA	02/12/2015 15:38	Chelsea B Stong	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:34	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 09:34	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	3	201504236788	02/11/2015 09:34	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	4	201504236788	02/11/2015 09:34	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	5	201504236788	02/11/2015 09:34	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	6	201504236788	02/11/2015 09:34	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:27	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 09:29	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	3	201504236788	02/11/2015 09:28	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	4	201504236788	02/11/2015 09:28	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15043B34A	02/13/2015 17:34	Jeremy C Giffin	24.78

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

Sample Description: B4-S-30-150205 Grab Soil
 Facility# 90076 CRAW
 4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767332
 LL Group # 1537390
 Account # 10880

Project Name: 90076

Collected: 02/05/2015 12:45 by OY

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO430

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:29	Stephanie A Sanchez	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 09:30	Stephanie A Sanchez	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	3	201504236788	02/11/2015 09:31	Stephanie A Sanchez	n.a.

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

Sample Description: B1-S-3-150205 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767333
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/05/2015 13:55 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO103

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.005 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	0.001 J	0.0005	0.005	1.04
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1.04
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.04
10237	Xylene (Total)	1330-20-7	0.002 J	0.001	0.005	1.04
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	3.8	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B150431AA	02/12/2015 19:44	Chelsea B Stong	1.04
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:35	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 09:35	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:26	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15043B34A	02/13/2015 18:10	Jeremy C Giffin	25.38
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:27	Stephanie A Sanchez	n.a.

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

Sample Description: B1-S-8-150205 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767334
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/05/2015 16:25 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO108

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.005 J	0.0005	0.005	1.01
10237	Ethylbenzene	100-41-4	0.003 J	0.001	0.005	1.01
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.0006 J	0.0005	0.005	1.01
10237	Naphthalene	91-20-3	N.D.	0.001	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
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	2.5	0.5	1.0	25.28

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	A150431AA	02/12/2015 19:35	Christopher G Torres	1.01
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:35	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 09:35	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:31	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15043B34A	02/13/2015 19:22	Jeremy C Giffin	25.28
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:33	Stephanie A Sanchez	n.a.

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

Sample Description: B1-S-10-150206 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767335
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/06/2015 08:05 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO110

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles			mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.024	0.0005	0.005	0.94
10237	Ethylbenzene	100-41-4	0.26	0.0009	0.005	0.94
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.001 J	0.0005	0.005	0.94
10237	Naphthalene	91-20-3	0.21	0.0009	0.005	0.94
10237	Toluene	108-88-3	N.D.	0.0009	0.005	0.94
10237	Xylene (Total)	1330-20-7	0.13	0.0009	0.005	0.94

The recovery for the sample internal standard is outside the QC acceptance limits. The following corrective action was taken: The secondary vial leaked during re-analysis therefore the matrix effects observed in the initial analysis could not be confirmed. The values reported here are from the initial analysis.

GC Volatiles	SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	45	5.0	10 250.25

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B150473AA	02/17/2015 06:12	Stephanie A Selis	0.94
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 10:50	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 10:50	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:38	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15044A34A	02/16/2015 13:11	Jeremy C Giffin	250.25
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:39	Stephanie A Sanchez	n.a.

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

Sample Description: B1-S-14-150206 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767336
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/06/2015 08:10 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO114

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.005 J	0.0005	0.005	1.05
10237	Ethylbenzene	100-41-4	0.26	0.001	0.005	1.05
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.05
10237	Naphthalene	91-20-3	0.29	0.001	0.005	1.05
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.05
10237	Xylene (Total)	1330-20-7	0.094	0.001	0.005	1.05
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	26	4.8	9.6	239.01

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	A150431AA	02/12/2015 23:43	Christopher G Torres	1.05
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 10:51	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 10:51	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:48	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15044A34A	02/16/2015 16:46	Jeremy C Giffin	239.01
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:49	Stephanie A Sanchez	n.a.

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

Sample Description: B1-S-15-150206 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767337
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/06/2015 08:15 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO115

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.009	0.0005	0.005	0.93
10237	Ethylbenzene	100-41-4	0.23	0.0009	0.005	0.93
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.93
10237	Naphthalene	91-20-3	0.089	0.0009	0.005	0.93
10237	Toluene	108-88-3	0.005 J	0.0009	0.005	0.93
10237	Xylene (Total)	1330-20-7	0.74	0.049	0.24	48.73
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	29	4.9	9.8	243.9

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	A150431AA	02/13/2015 00:06	Christopher G Torres	0.93
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	Q150471AA	02/16/2015 19:16	Sarah A Guill	48.73
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 10:51	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 10:51	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:53	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15044A34A	02/16/2015 14:22	Jeremy C Giffin	243.9
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:54	Stephanie A Sanchez	n.a.

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

Sample Description: B1-S-20-150206 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767338
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/06/2015 08:20 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO120

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.001 J	0.0005	0.005	0.98
10237	Ethylbenzene	100-41-4	0.002 J	0.001	0.005	0.98
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.004 J	0.0005	0.005	0.98
10237	Naphthalene	91-20-3	0.002 J	0.001	0.005	0.98
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.98
10237	Xylene (Total)	1330-20-7	0.007	0.001	0.005	0.98
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1.0	25.18

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	A150431AA	02/12/2015 19:58	Christopher G Torres	0.98
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 10:51	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 10:51	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 09:59	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15043B34A	02/13/2015 21:45	Jeremy C Giffin	25.18
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 10:01	Stephanie A Sanchez	n.a.

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

Sample Description: B1-S-25-150206 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767339
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/06/2015 08:35 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO125

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.004 J	0.0005	0.005	1.02
10237	Ethylbenzene	100-41-4	0.083	0.001	0.005	1.02
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.02
10237	Naphthalene	91-20-3	0.066	0.001	0.005	1.02
10237	Toluene	108-88-3	0.001 J	0.001	0.005	1.02
10237	Xylene (Total)	1330-20-7	0.35	0.001	0.005	1.02
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	3.8	0.5	1.0	25.85

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	A150431AA	02/12/2015 20:20	Christopher G Torres	1.02
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 10:50	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 10:51	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 10:04	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15043B34A	02/13/2015 22:21	Jeremy C Giffin	25.85
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 10:05	Stephanie A Sanchez	n.a.

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

Sample Description: B1-S-30-150206 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767340
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/06/2015 08:45 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO130

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B						
10237	Benzene	71-43-2	0.20 J	0.027	0.27	53.76
10237	Ethylbenzene	100-41-4	0.45	0.054	0.27	53.76
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.027	0.27	53.76
10237	Naphthalene	91-20-3	0.49	0.054	0.27	53.76
10237	Toluene	108-88-3	N.D.	0.054	0.27	53.76
10237	Xylene (Total)	1330-20-7	0.97	0.054	0.27	53.76
GC Volatiles SW-846 8015B modified						
01725	TPH-GRO N. CA soil C6-C12	n.a.	140	10	20	505.05

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	Q150431AA	02/12/2015 14:49	Anita M Dale	53.76
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 10:51	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 10:51	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 10:10	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15043B34A	02/13/2015 23:33	Jeremy C Giffin	505.05
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 10:11	Stephanie A Sanchez	n.a.

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

Sample Description: B2-S-3-150206 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767341
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/06/2015 08:20 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO203

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	mg/kg	mg/kg
10237	Benzene	71-43-2	0.001 J	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	Naphthalene	91-20-3	N.D.	0.001	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
GC Volatiles			SW-846 8015B modified	mg/kg	mg/kg	mg/kg
01725	TPH-GRO N. CA soil C6-C12	n.a.	1.0	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	A150431AA	02/12/2015 20:43	Christopher G Torres	1.07
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 10:51	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 10:51	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 10:16	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15043B34A	02/14/2015 00:44	Jeremy C Giffin	25.23
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 10:17	Stephanie A Sanchez	n.a.

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

Sample Description: B2-S-8-150206 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767342
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/06/2015 08:35 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO208

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	mg/kg	
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	Naphthalene	91-20-3	N.D.	0.001	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
GC Volatiles			SW-846 8015B modified	mg/kg	mg/kg	
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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	A150431AA	02/12/2015 21:06	Christopher G Torres	1.02
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 10:51	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 10:51	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 10:22	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15044A34A	02/16/2015 17:21	Jeremy C Giffin	26.23
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 10:23	Stephanie A Sanchez	n.a.

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

Sample Description: B2-S-10-150206 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767343
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/06/2015 09:00 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO210

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	mg/kg	mg/kg
10237	Benzene	71-43-2	0.004 J	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	Naphthalene	91-20-3	N.D.	0.001	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
GC Volatiles			SW-846 8015B modified	mg/kg	mg/kg	mg/kg
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1.0	25.64

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	A150431AA	02/12/2015 21:28	Christopher G Torres	1.07
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 10:51	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 10:51	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 10:27	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15044A34A	02/16/2015 17:57	Jeremy C Giffin	25.64
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 10:29	Stephanie A Sanchez	n.a.

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

Sample Description: B2-S-15-150206 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767344
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/06/2015 09:05 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO215

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.013	0.0005	0.005	0.94
10237	Ethylbenzene	100-41-4	0.002 J	0.0009	0.005	0.94
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.002 J	0.0005	0.005	0.94
10237	Naphthalene	91-20-3	0.001 J	0.0009	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
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	4.4	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	A150431AA	02/13/2015 00:51	Christopher G Torres	0.94
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 10:51	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 10:51	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 10:33	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15048A34A	02/18/2015 06:17	Jeremy C Giffin	25.46
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 10:34	Stephanie A Sanchez	n.a.

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

Sample Description: B2-S-20-150206 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767345
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/06/2015 09:20 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO220

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.006	0.0005	0.005	0.98
10237	Ethylbenzene	100-41-4	0.001 J	0.001	0.005	0.98
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.001 J	0.0005	0.005	0.98
10237	Naphthalene	91-20-3	N.D.	0.001	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
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	0.9 J	0.5	1	24.04

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	A150431AA	02/12/2015 22:13	Christopher G Torres	0.98
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 10:51	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 10:51	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 10:39	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15048A34A	02/18/2015 06:53	Jeremy C Giffin	24.04
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 10:40	Stephanie A Sanchez	n.a.

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

Sample Description: B2-S-25-150206 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767346
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/06/2015 09:25 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO225

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.005	0.0005	0.005	1.06
10237	Ethylbenzene	100-41-4	0.001 J	0.001	0.005	1.06
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.002 J	0.0005	0.005	1.06
10237	Naphthalene	91-20-3	N.D.	0.001	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
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	A150431AA	02/12/2015 22:36	Christopher G Torres	1.06
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 10:52	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 10:52	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 10:45	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15044A34A	02/16/2015 20:20	Jeremy C Giffin	25.72
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 10:46	Stephanie A Sanchez	n.a.

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

Sample Description: B2-S-30-150206 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767347
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/06/2015 09:35 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO230

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	mg/kg	mg/kg
10237	Benzene	71-43-2	0.071 J	0.026	0.26	52.08
10237	Ethylbenzene	100-41-4	0.27	0.052	0.26	52.08
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.026	0.26	52.08
10237	Naphthalene	91-20-3	0.39	0.052	0.26	52.08
10237	Toluene	108-88-3	N.D.	0.052	0.26	52.08
10237	Xylene (Total)	1330-20-7	1.1	0.052	0.26	52.08
GC Volatiles			SW-846 8015B modified	mg/kg	mg/kg	mg/kg
01725	TPH-GRO N. CA soil C6-C12	n.a.	100	5.1	10	257.47

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	Q150431AA	02/12/2015 15:12	Anita M Dale	52.08
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 11:00	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 11:00	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 10:57	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15048A34A	02/17/2015 17:36	Jeremy C Giffin	257.47
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 10:59	Stephanie A Sanchez	n.a.

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

Sample Description: B6-S-3-150206 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767348
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/06/2015 10:15 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO603

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	mg/kg	mg/kg
10237	Benzene	71-43-2	0.004 J	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	Naphthalene	91-20-3	N.D.	0.001	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
GC Volatiles			SW-846 8015B modified	mg/kg	mg/kg	mg/kg
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	1.0	25.56

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	A150431AA	02/12/2015 22:58	Christopher G Torres	1.03
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504336799	02/11/2015 12:15	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504336799	02/11/2015 12:15	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 11:24	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15044A34A	02/16/2015 20:56	Jeremy C Giffin	25.56
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 11:25	Stephanie A Sanchez	n.a.

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

Sample Description: B6-S-8-150206 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767349
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/06/2015 10:30 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO608

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.056	0.0005	0.005	1.05
10237	Ethylbenzene	100-41-4	0.020	0.001	0.005	1.05
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.011	0.0005	0.005	1.05
10237	Naphthalene	91-20-3	0.088	0.001	0.005	1.05
10237	Toluene	108-88-3	0.001 J	0.001	0.005	1.05
10237	Xylene (Total)	1330-20-7	0.004 J	0.001	0.005	1.05
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	18	0.5	1.0	25.28

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	A150431AA	02/13/2015 00:29	Christopher G Torres	1.05
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 12:15	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 12:15	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 11:29	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15044A34A	02/16/2015 21:32	Jeremy C Giffin	25.28
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 11:30	Stephanie A Sanchez	n.a.

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

Sample Description: B6-S-10-150206 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767350
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/06/2015 10:45 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO610

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.050 J	0.026	0.26	52.3
10237	Ethylbenzene	100-41-4	0.28	0.052	0.26	52.3
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.026	0.26	52.3
10237	Naphthalene	91-20-3	0.64	0.052	0.26	52.3
10237	Toluene	108-88-3	N.D.	0.052	0.26	52.3
10237	Xylene (Total)	1330-20-7	N.D.	0.052	0.26	52.3
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	130	5.1	10	253.81

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	Q150431AA	02/12/2015 10:02	Anita M Dale	52.3
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 12:16	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 12:16	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 11:35	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15048A34A	02/17/2015 12:13	Jeremy C Giffin	253.81
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 11:36	Stephanie A Sanchez	n.a.

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

Sample Description: B6-S-15-150206 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767351
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/06/2015 10:50 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO615

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	1.4	0.026	0.26	51.76
10237	Ethylbenzene	100-41-4	8.3	0.052	0.26	51.76
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.088 J	0.026	0.26	51.76
10237	Naphthalene	91-20-3	1.7	0.052	0.26	51.76
10237	Toluene	108-88-3	0.15 J	0.052	0.26	51.76
10237	Xylene (Total)	1330-20-7	0.97	0.052	0.26	51.76
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	180	20	40	1005.03

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	Q150481AA	02/17/2015 17:45	Sarah A Guill	51.76
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 12:16	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 12:16	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 11:39	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15048A34A	02/17/2015 13:25	Jeremy C Giffin	1005.03
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 11:40	Stephanie A Sanchez	n.a.

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

Sample Description: B6-S-20-150206 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767352
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/06/2015 10:55 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO620

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.57	0.025	0.25	50.2
10237	Ethylbenzene	100-41-4	10	0.050	0.25	50.2
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.025	0.25	50.2
10237	Naphthalene	91-20-3	2.7	0.050	0.25	50.2
10237	Toluene	108-88-3	0.11 J	0.050	0.25	50.2
10237	Xylene (Total)	1330-20-7	0.79	0.050	0.25	50.2
GC Volatiles						
		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	940	40	81	2016.13

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	R150471AA	02/16/2015 19:06	Sarah A Guill	50.2
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 12:16	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 12:16	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	3	201504236788	02/11/2015 12:16	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	4	201504236788	02/11/2015 12:16	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	5	201504236788	02/11/2015 12:16	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	6	201504236788	02/11/2015 12:16	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 11:51	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 11:53	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	3	201504236788	02/11/2015 11:55	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	4	201504236788	02/11/2015 11:54	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15048A34A	02/17/2015 14:01	Jeremy C Giffin	2016.13

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

Sample Description: B6-S-20-150206 Grab Soil
 Facility# 90076 CRAW
 4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767352
 LL Group # 1537390
 Account # 10880

Project Name: 90076

Collected: 02/06/2015 10:55 by OY

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO620

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 11:58	Stephanie A Sanchez	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 12:00	Stephanie A Sanchez	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	3	201504236788	02/11/2015 12:02	Stephanie A Sanchez	n.a.

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

Sample Description: B6-S-25-150206 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767353
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/06/2015 11:05 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO625

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	mg/kg	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.37	0.027	0.27	54.35
10237	Ethylbenzene	100-41-4	0.96	0.054	0.27	54.35
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.027	0.27	54.35
10237	Naphthalene	91-20-3	0.12 J	0.054	0.27	54.35
10237	Toluene	108-88-3	N.D.	0.054	0.27	54.35
10237	Xylene (Total)	1330-20-7	0.057 J	0.054	0.27	54.35

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

GC Volatiles		SW-846 8015B modified	mg/kg	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	160	5.2	10	257.73

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	R150471AA	02/16/2015 19:29	Sarah A Guill	54.35
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 12:16	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 12:16	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 12:06	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15048A34A	02/17/2015 18:48	Jeremy C Giffin	257.73
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 12:07	Stephanie A Sanchez	n.a.

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

Sample Description: B6-S-30-150206 Grab Soil
Facility# 90076 CRAW
4265 Foothill Blvd-Oakland T0600100339

LL Sample # SW 7767354
LL Group # 1537390
Account # 10880

Project Name: 90076

Collected: 02/06/2015 11:20 by OY

ChevronTexaco

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 02/10/2015 09:30

Reported: 02/23/2015 11:13

FO630

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	mg/kg	mg/kg
10237	Benzene	71-43-2	0.72	0.023	0.23	46.99
10237	Ethylbenzene	100-41-4	3.0	0.047	0.23	46.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.023	0.23	46.99
10237	Naphthalene	91-20-3	0.99	0.047	0.23	46.99
10237	Toluene	108-88-3	0.61	0.047	0.23	46.99
10237	Xylene (Total)	1330-20-7	6.7	0.047	0.23	46.99
GC Volatiles			SW-846 8015B modified	mg/kg	mg/kg	mg/kg
01725	TPH-GRO N. CA soil C6-C12	n.a.	250	10	21	514.4

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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	Q150431AA	02/12/2015 17:46	Anita M Dale	46.99
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 12:16	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201504236788	02/11/2015 12:16	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 12:11	Stephanie A Sanchez	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15048A34A	02/17/2015 18:12	Jeremy C Giffin	514.4
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201504236788	02/11/2015 12:12	Stephanie A Sanchez	n.a.

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

Quality Control Summary

Client Name: ChevronTexaco
Reported: 02/23/15 at 11:13 AM

Group Number: 1537390

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.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: A150422AA Sample number(s): 7767313-7767318									
Benzene	N.D.	0.0005	0.005	mg/kg	105	103	80-120	2	30
Ethylbenzene	N.D.	0.001	0.005	mg/kg	105	102	80-120	3	30
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	106	106	76-122	0	30
Naphthalene	N.D.	0.001	0.005	mg/kg	107	106	64-120	1	30
Toluene	N.D.	0.001	0.005	mg/kg	103	102	80-120	1	30
Xylene (Total)	N.D.	0.001	0.005	mg/kg	104	103	80-120	2	30
Batch number: A150431AA Sample number(s): 7767334,7767336-7767339,7767341-7767346,7767348-7767349									
Benzene	N.D.	0.0005	0.005	mg/kg	103	101	80-120	2	30
Ethylbenzene	N.D.	0.001	0.005	mg/kg	101	99	80-120	2	30
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	98	100	76-122	2	30
Naphthalene	N.D.	0.001	0.005	mg/kg	96	98	64-120	1	30
Toluene	N.D.	0.001	0.005	mg/kg	101	99	80-120	2	30
Xylene (Total)	N.D.	0.001	0.005	mg/kg	102	100	80-120	2	30
Batch number: B150431AA Sample number(s): 7767306-7767308,7767311,7767319,7767322,7767324-7767329,7767332-7767333									
Acetone	N.D.	0.007	0.020	mg/kg	141		53-141		
t-Amyl methyl ether	N.D.	0.001	0.005	mg/kg	93		63-130		
Benzene	N.D.	0.0005	0.005	mg/kg	103		80-120		
Bromobenzene	N.D.	0.001	0.005	mg/kg	106		78-120		
Bromochloromethane	N.D.	0.001	0.005	mg/kg	113		80-128		
Bromodichloromethane	N.D.	0.001	0.005	mg/kg	104		75-120		
Bromoform	N.D.	0.001	0.005	mg/kg	104		70-126		
Bromomethane	N.D.	0.002	0.005	mg/kg	143		32-162		
2-Butanone	N.D.	0.004	0.010	mg/kg	103		62-123		
t-Butyl alcohol	N.D.	0.020	0.10	mg/kg	105		72-125		
n-Butylbenzene	N.D.	0.001	0.005	mg/kg	101		72-120		
sec-Butylbenzene	N.D.	0.001	0.005	mg/kg	99		69-120		
tert-Butylbenzene	N.D.	0.001	0.005	mg/kg	103		75-120		
Carbon Disulfide	N.D.	0.001	0.005	mg/kg	114		63-128		
Carbon Tetrachloride	N.D.	0.001	0.005	mg/kg	117		69-130		
Chlorobenzene	N.D.	0.001	0.005	mg/kg	107		80-120		
Chloroethane	N.D.	0.002	0.005	mg/kg	133		17-171		
2-Chloroethyl Vinyl Ether	N.D.	0.002	0.010	mg/kg	86		64-124		
Chloroform	N.D.	0.001	0.005	mg/kg	114		80-125		
Chloromethane	N.D.	0.002	0.005	mg/kg	116		56-120		
2-Chlorotoluene	N.D.	0.001	0.005	mg/kg	105		78-120		
4-Chlorotoluene	N.D.	0.001	0.005	mg/kg	105		79-120		
1,2-Dibromo-3-chloropropane	N.D.	0.002	0.005	mg/kg	97		59-122		
Dibromochloromethane	N.D.	0.001	0.005	mg/kg	106		77-120		
1,2-Dibromoethane	N.D.	0.001	0.005	mg/kg	105		80-120		
Dibromomethane	N.D.	0.001	0.005	mg/kg	106		80-120		

*- 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.

Quality Control Summary

Client Name: ChevronTexaco

Group Number: 1537390

Reported: 02/23/15 at 11:13 AM

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
1,2-Dichlorobenzene	N.D.	0.001	0.005	mg/kg	107		80-120		
1,3-Dichlorobenzene	N.D.	0.001	0.005	mg/kg	106		80-120		
1,4-Dichlorobenzene	N.D.	0.001	0.005	mg/kg	108		80-120		
Dichlorodifluoromethane	N.D.	0.002	0.005	mg/kg	128		26-137		
1,1-Dichloroethane	N.D.	0.001	0.005	mg/kg	107		80-122		
1,2-Dichloroethane	N.D.	0.001	0.005	mg/kg	121		77-130		
1,1-Dichloroethene	N.D.	0.001	0.005	mg/kg	124		73-129		
cis-1,2-Dichloroethene	N.D.	0.001	0.005	mg/kg	106		80-120		
trans-1,2-Dichloroethene	N.D.	0.001	0.005	mg/kg	127		80-129		
1,2-Dichloropropane	N.D.	0.001	0.005	mg/kg	98		80-120		
1,3-Dichloropropane	N.D.	0.001	0.005	mg/kg	103		80-120		
2,2-Dichloropropane	N.D.	0.001	0.005	mg/kg	104		72-123		
1,1-Dichloropropene	N.D.	0.001	0.005	mg/kg	113		80-126		
cis-1,3-Dichloropropene	N.D.	0.001	0.005	mg/kg	99		74-120		
trans-1,3-Dichloropropene	N.D.	0.001	0.005	mg/kg	99		76-120		
Ethanol	N.D.	0.10	0.50	mg/kg	104		46-146		
Ethyl t-butyl ether	N.D.	0.001	0.005	mg/kg	96		70-122		
Ethylbenzene	N.D.	0.001	0.005	mg/kg	105		80-120		
Freon 113	N.D.	0.002	0.010	mg/kg	129		64-137		
Hexachlorobutadiene	N.D.	0.002	0.005	mg/kg	110		46-130		
2-Hexanone	N.D.	0.003	0.010	mg/kg	96		51-120		
di-Isopropyl ether	N.D.	0.001	0.005	mg/kg	99		77-123		
Isopropylbenzene	N.D.	0.001	0.005	mg/kg	108		76-120		
p-Isopropyltoluene	N.D.	0.001	0.005	mg/kg	99		69-120		
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	116		76-122		
4-Methyl-2-pentanone	N.D.	0.003	0.010	mg/kg	97		57-123		
Methylene Chloride	N.D.	0.002	0.005	mg/kg	121		80-124		
Naphthalene	N.D.	0.001	0.005	mg/kg	92		64-120		
n-Propylbenzene	N.D.	0.001	0.005	mg/kg	101		77-120		
Styrene	N.D.	0.001	0.005	mg/kg	101		76-120		
1,1,1,2-Tetrachloroethane	N.D.	0.001	0.005	mg/kg	106		80-120		
1,1,2,2-Tetrachloroethane	N.D.	0.001	0.005	mg/kg	95		71-123		
Tetrachloroethene	N.D.	0.001	0.005	mg/kg	116		78-120		
Toluene	N.D.	0.001	0.005	mg/kg	103		80-120		
1,2,3-Trichlorobenzene	N.D.	0.001	0.005	mg/kg	109		64-120		
1,2,4-Trichlorobenzene	N.D.	0.001	0.005	mg/kg	103		68-120		
1,1,1-Trichloroethane	N.D.	0.001	0.005	mg/kg	106		63-135		
1,1,2-Trichloroethane	N.D.	0.001	0.005	mg/kg	101		80-120		
Trichloroethene	N.D.	0.001	0.005	mg/kg	108		80-125		
Trichlorofluoromethane	N.D.	0.002	0.005	mg/kg	135*		58-133		
1,2,3-Trichloropropane	N.D.	0.001	0.005	mg/kg	106		71-123		
1,2,4-Trimethylbenzene	N.D.	0.001	0.005	mg/kg	99		79-120		
1,3,5-Trimethylbenzene	N.D.	0.001	0.005	mg/kg	101		78-120		
Vinyl Chloride	N.D.	0.001	0.005	mg/kg	121*		59-120		
m+p-Xylene	N.D.	0.001	0.005	mg/kg	106		80-120		
o-Xylene	N.D.	0.001	0.005	mg/kg	103		80-120		
Xylene (Total)	N.D.	0.001	0.005	mg/kg	105		80-120		

Batch number: B150473AA

Sample number(s): 7767335

Benzene	N.D.	0.0005	0.005	mg/kg	98	97	80-120	1	30
Ethylbenzene	N.D.	0.001	0.005	mg/kg	96	96	80-120	0	30
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	100	98	72-120	1	30
Naphthalene	N.D.	0.001	0.005	mg/kg	100	98	64-120	2	30
Toluene	N.D.	0.001	0.005	mg/kg	95	96	80-120	1	30
Xylene (Total)	N.D.	0.001	0.005	mg/kg	94	95	80-120	0	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.

Quality Control Summary

Client Name: ChevronTexaco

Group Number: 1537390

Reported: 02/23/15 at 11:13 AM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCS D %REC	LCS/LCS D Limits	RPD	RPD Max
Batch number: Q150431AA	Sample number(s): 7767321,7767323,7767330-7767331,7767340,7767347,7767350,7767354								
Benzene	N.D.	0.025	0.25	mg/kg	95	103	80-120	8	30
Ethylbenzene	N.D.	0.050	0.25	mg/kg	93	103	80-120	11	30
Methyl Tertiary Butyl Ether	N.D.	0.025	0.25	mg/kg	100	109	76-122	8	30
Naphthalene	N.D.	0.050	0.25	mg/kg	78	88	64-120	13	30
Toluene	N.D.	0.050	0.25	mg/kg	93	105	80-120	12	30
Xylene (Total)	N.D.	0.050	0.25	mg/kg	92	103	80-120	11	30
Batch number: Q150471AA	Sample number(s): 7767309-7767310,7767312,7767329,7767337								
Acetone	N.D.	0.35	1.0	mg/kg	91	84	57-127	8	30
t-Amyl methyl ether	N.D.	0.050	0.25	mg/kg	96	88	70-120	8	30
Benzene	N.D.	0.025	0.25	mg/kg	99	89	80-120	10	30
Bromobenzene	N.D.	0.050	0.25	mg/kg	100	92	78-120	8	30
Bromochloromethane	N.D.	0.050	0.25	mg/kg	104	91	80-120	13	30
Bromodichloromethane	N.D.	0.050	0.25	mg/kg	99	89	75-120	10	30
Bromoform	N.D.	0.050	0.25	mg/kg	91	86	64-120	6	30
Bromomethane	N.D.	0.10	0.25	mg/kg	131	124	41-144	5	30
2-Butanone	N.D.	0.20	0.50	mg/kg	90	82	62-123	9	30
t-Butyl alcohol	N.D.	1.0	5.0	mg/kg	101	91	76-120	10	30
n-Butylbenzene	N.D.	0.050	0.25	mg/kg	86	82	72-120	5	30
sec-Butylbenzene	N.D.	0.050	0.25	mg/kg	88	83	69-120	6	30
tert-Butylbenzene	N.D.	0.050	0.25	mg/kg	89	84	75-120	6	30
Carbon Disulfide	N.D.	0.050	0.25	mg/kg	81	77	52-126	5	30
Carbon Tetrachloride	N.D.	0.050	0.25	mg/kg	104	95	69-130	9	30
Chlorobenzene	N.D.	0.050	0.25	mg/kg	98	90	80-120	9	30
Chloroethane	N.D.	0.10	0.25	mg/kg	104	93	38-142	11	30
2-Chloroethyl Vinyl Ether	N.D.	0.10	0.50	mg/kg	91	85	56-121	7	30
Chloroform	N.D.	0.050	0.25	mg/kg	107	94	80-120	13	30
Chloromethane	N.D.	0.10	0.25	mg/kg	71	68	56-120	4	30
2-Chlorotoluene	N.D.	0.050	0.25	mg/kg	96	89	78-120	8	30
4-Chlorotoluene	N.D.	0.050	0.25	mg/kg	96	91	79-120	6	30
1,2-Dibromo-3-chloropropane	N.D.	0.10	0.25	mg/kg	84	80	59-122	4	30
Dibromochloromethane	N.D.	0.050	0.25	mg/kg	93	88	77-120	5	30
1,2-Dibromoethane	N.D.	0.050	0.25	mg/kg	96	89	80-120	8	30
Dibromomethane	N.D.	0.050	0.25	mg/kg	99	91	80-120	9	30
1,2-Dichlorobenzene	N.D.	0.050	0.25	mg/kg	94	88	80-120	6	30
1,3-Dichlorobenzene	N.D.	0.050	0.25	mg/kg	96	88	80-120	8	30
1,4-Dichlorobenzene	N.D.	0.050	0.25	mg/kg	95	89	80-120	7	30
Dichlorodifluoromethane	N.D.	0.10	0.25	mg/kg	42	43	26-137	3	30
1,1-Dichloroethane	N.D.	0.050	0.25	mg/kg	99	91	77-120	9	30
1,2-Dichloroethane	N.D.	0.050	0.25	mg/kg	113	103	77-130	8	30
1,1-Dichloroethene	N.D.	0.050	0.25	mg/kg	92	88	73-129	5	30
cis-1,2-Dichloroethene	N.D.	0.050	0.25	mg/kg	100	90	80-120	11	30
trans-1,2-Dichloroethene	N.D.	0.050	0.25	mg/kg	99	92	79-122	8	30
1,2-Dichloropropane	N.D.	0.050	0.25	mg/kg	101	91	76-120	10	30
1,3-Dichloropropane	N.D.	0.050	0.25	mg/kg	97	91	80-120	6	30
2,2-Dichloropropane	N.D.	0.050	0.25	mg/kg	106	98	72-123	8	30
1,1-Dichloropropene	N.D.	0.050	0.25	mg/kg	101	94	80-120	8	30
cis-1,3-Dichloropropene	N.D.	0.050	0.25	mg/kg	98	87	74-120	12	30
trans-1,3-Dichloropropene	N.D.	0.050	0.25	mg/kg	101	93	76-120	8	30
Ethanol	N.D.	5.0	25	mg/kg	113	96	45-160	16	30
Ethyl t-butyl ether	N.D.	0.050	0.25	mg/kg	98	92	69-120	6	30
Ethylbenzene	N.D.	0.050	0.25	mg/kg	96	88	80-120	9	30
Freon 113	N.D.	0.10	0.50	mg/kg	82	76	54-123	7	30
Hexachlorobutadiene	N.D.	0.10	0.25	mg/kg	67	66	36-127	2	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.

Quality Control Summary

Client Name: ChevronTexaco

Group Number: 1537390

Reported: 02/23/15 at 11:13 AM

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
2-Hexanone	N.D.	0.15	0.50	mg/kg	93	88	47-133	6	30
di-Isopropyl ether	N.D.	0.050	0.25	mg/kg	99	91	71-120	8	30
Isopropylbenzene	N.D.	0.050	0.25	mg/kg	91	84	76-120	8	30
p-Isopropyltoluene	N.D.	0.050	0.25	mg/kg	86	82	69-120	5	30
Methyl Tertiary Butyl Ether	N.D.	0.025	0.25	mg/kg	104	96	72-120	7	30
4-Methyl-2-pentanone	N.D.	0.15	0.50	mg/kg	90	82	57-123	9	30
Methylene Chloride	N.D.	0.10	0.25	mg/kg	102	93	80-124	10	30
Naphthalene	N.D.	0.050	0.25	mg/kg	73	72	64-120	2	30
n-Propylbenzene	N.D.	0.050	0.25	mg/kg	94	87	77-120	7	30
Styrene	N.D.	0.050	0.25	mg/kg	93	86	76-120	9	30
1,1,1,2-Tetrachloroethane	N.D.	0.050	0.25	mg/kg	96	90	80-120	7	30
1,1,2,2-Tetrachloroethane	N.D.	0.050	0.25	mg/kg	91	86	72-120	7	30
Tetrachloroethene	N.D.	0.050	0.25	mg/kg	98	91	78-120	8	30
Toluene	N.D.	0.050	0.25	mg/kg	95	87	80-120	8	30
1,2,3-Trichlorobenzene	N.D.	0.050	0.25	mg/kg	72	71	52-120	1	30
1,2,4-Trichlorobenzene	N.D.	0.050	0.25	mg/kg	79	77	68-120	2	30
1,1,1-Trichloroethane	N.D.	0.050	0.25	mg/kg	107	99	66-126	8	30
1,1,2-Trichloroethane	N.D.	0.050	0.25	mg/kg	95	91	80-120	5	30
Trichloroethene	N.D.	0.050	0.25	mg/kg	101	92	80-120	10	30
Trichlorofluoromethane	N.D.	0.10	0.25	mg/kg	91	84	58-133	9	30
1,2,3-Trichloropropane	N.D.	0.050	0.25	mg/kg	102	96	77-120	6	30
1,2,4-Trimethylbenzene	N.D.	0.050	0.25	mg/kg	94	88	79-120	7	30
1,3,5-Trimethylbenzene	N.D.	0.050	0.25	mg/kg	93	86	78-120	8	30
Vinyl Chloride	N.D.	0.050	0.25	mg/kg	74	70	59-120	5	30
m+p-Xylene	N.D.	0.050	0.25	mg/kg	95	88	80-120	8	30
o-Xylene	N.D.	0.050	0.25	mg/kg	94	86	80-120	9	30
Xylene (Total)	N.D.	0.050	0.25	mg/kg	95	87	80-120	8	30
Batch number: Q150481AA Sample number(s): 7767351									
Benzene	N.D.	0.025	0.25	mg/kg	87	86	80-120	2	30
Ethylbenzene	N.D.	0.050	0.25	mg/kg	84	81	80-120	4	30
Methyl Tertiary Butyl Ether	N.D.	0.025	0.25	mg/kg	93	91	72-120	2	30
Naphthalene	N.D.	0.050	0.25	mg/kg	65	65	64-120	0	30
Toluene	N.D.	0.050	0.25	mg/kg	85	83	80-120	3	30
Xylene (Total)	N.D.	0.050	0.25	mg/kg	85	82	80-120	4	30
Batch number: R150431AA Sample number(s): 7767309,7767320									
Acetone	N.D.	0.35	1.0	mg/kg	86	94	53-141	9	30
t-Amyl methyl ether	N.D.	0.050	0.25	mg/kg	91	101	63-130	10	30
Benzene	N.D.	0.025	0.25	mg/kg	96	107	80-120	11	30
Bromobenzene	N.D.	0.050	0.25	mg/kg	90	101	78-120	12	30
Bromochloromethane	N.D.	0.050	0.25	mg/kg	92	102	80-128	11	30
Bromodichloromethane	N.D.	0.050	0.25	mg/kg	90	101	75-120	11	30
Bromoform	N.D.	0.050	0.25	mg/kg	83	92	70-126	11	30
Bromomethane	N.D.	0.10	0.25	mg/kg	83	94	32-162	12	30
2-Butanone	N.D.	0.20	0.50	mg/kg	95	106	62-123	11	30
t-Butyl alcohol	N.D.	1.0	5.0	mg/kg	90	100	72-125	10	30
n-Butylbenzene	N.D.	0.050	0.25	mg/kg	78	89	72-120	14	30
sec-Butylbenzene	N.D.	0.050	0.25	mg/kg	81	87	69-120	6	30
tert-Butylbenzene	N.D.	0.050	0.25	mg/kg	81	90	75-120	10	30
Carbon Disulfide	N.D.	0.050	0.25	mg/kg	99	111	63-128	11	30
Carbon Tetrachloride	N.D.	0.050	0.25	mg/kg	95	104	69-130	10	30
Chlorobenzene	N.D.	0.050	0.25	mg/kg	93	101	80-120	9	30
Chloroethane	N.D.	0.10	0.25	mg/kg	85	97	17-171	13	30
2-Chloroethyl Vinyl Ether	N.D.	0.10	0.50	mg/kg	83	89	64-124	7	30
Chloroform	N.D.	0.050	0.25	mg/kg	95	105	80-125	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.

Quality Control Summary

Client Name: ChevronTexaco

Group Number: 1537390

Reported: 02/23/15 at 11:13 AM

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS D %REC</u>	<u>LCS/LCS D Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Chloromethane	N.D.	0.10	0.25	mg/kg	73	85	56-120	16	30
2-Chlorotoluene	N.D.	0.050	0.25	mg/kg	89	102	78-120	13	30
4-Chlorotoluene	N.D.	0.050	0.25	mg/kg	88	100	79-120	13	30
1,2-Dibromo-3-chloropropane	N.D.	0.10	0.25	mg/kg	82	92	59-122	11	30
Dibromochloromethane	N.D.	0.050	0.25	mg/kg	90	100	77-120	11	30
1,2-Dibromoethane	N.D.	0.050	0.25	mg/kg	96	106	80-120	10	30
Dibromomethane	N.D.	0.050	0.25	mg/kg	93	103	80-120	10	30
1,2-Dichlorobenzene	N.D.	0.050	0.25	mg/kg	86	95	80-120	10	30
1,3-Dichlorobenzene	N.D.	0.050	0.25	mg/kg	86	94	80-120	9	30
1,4-Dichlorobenzene	N.D.	0.050	0.25	mg/kg	87	98	80-120	12	30
Dichlorodifluoromethane	N.D.	0.10	0.25	mg/kg	51	57	26-137	10	30
1,1-Dichloroethane	N.D.	0.050	0.25	mg/kg	93	103	80-122	10	30
1,2-Dichloroethane	N.D.	0.050	0.25	mg/kg	95	106	77-130	11	30
1,1-Dichloroethene	N.D.	0.050	0.25	mg/kg	99	109	73-129	10	30
cis-1,2-Dichloroethene	N.D.	0.050	0.25	mg/kg	94	107	80-120	12	30
trans-1,2-Dichloroethene	N.D.	0.050	0.25	mg/kg	97	110	80-129	13	30
1,2-Dichloropropane	N.D.	0.050	0.25	mg/kg	94	104	80-120	10	30
1,3-Dichloropropane	N.D.	0.050	0.25	mg/kg	93	104	80-120	12	30
2,2-Dichloropropane	N.D.	0.050	0.25	mg/kg	92	103	72-123	12	30
1,1-Dichloropropene	N.D.	0.050	0.25	mg/kg	98	107	80-126	10	30
cis-1,3-Dichloropropene	N.D.	0.050	0.25	mg/kg	90	101	74-120	11	30
trans-1,3-Dichloropropene	N.D.	0.050	0.25	mg/kg	92	105	76-120	13	30
Ethanol	N.D.	5.0	25	mg/kg	107	110	46-146	2	30
Ethyl t-butyl ether	N.D.	0.050	0.25	mg/kg	88	99	70-122	12	30
Ethylbenzene	N.D.	0.050	0.25	mg/kg	92	101	80-120	9	30
Freon 113	N.D.	0.10	0.50	mg/kg	88	90	64-137	3	30
Hexachlorobutadiene	N.D.	0.10	0.25	mg/kg	57	63	46-130	10	30
2-Hexanone	N.D.	0.15	0.50	mg/kg	77	89	51-120	14	30
di-Isopropyl ether	N.D.	0.050	0.25	mg/kg	93	105	77-123	13	30
Isopropylbenzene	N.D.	0.050	0.25	mg/kg	87	100	76-120	13	30
p-Isopropyltoluene	N.D.	0.050	0.25	mg/kg	78	88	69-120	11	30
Methyl Tertiary Butyl Ether	N.D.	0.025	0.25	mg/kg	91	105	76-122	15	30
4-Methyl-2-pentanone	N.D.	0.15	0.50	mg/kg	78	86	57-123	10	30
Methylene Chloride	N.D.	0.10	0.25	mg/kg	98	109	80-124	10	30
Naphthalene	N.D.	0.050	0.25	mg/kg	77	85	64-120	9	30
n-Propylbenzene	N.D.	0.050	0.25	mg/kg	91	102	77-120	12	30
Styrene	N.D.	0.050	0.25	mg/kg	90	99	76-120	10	30
1,1,1,2-Tetrachloroethane	N.D.	0.050	0.25	mg/kg	91	97	80-120	7	30
1,1,2,2-Tetrachloroethane	N.D.	0.050	0.25	mg/kg	90	101	71-123	12	30
Tetrachloroethene	N.D.	0.050	0.25	mg/kg	89	102	78-120	14	30
Toluene	N.D.	0.050	0.25	mg/kg	95	106	80-120	11	30
1,2,3-Trichlorobenzene	N.D.	0.050	0.25	mg/kg	66	74	64-120	11	30
1,2,4-Trichlorobenzene	N.D.	0.050	0.25	mg/kg	68	74	68-120	9	30
1,1,1-Trichloroethane	N.D.	0.050	0.25	mg/kg	103	114	63-135	11	30
1,1,2-Trichloroethane	N.D.	0.050	0.25	mg/kg	91	106	80-120	14	30
Trichloroethene	N.D.	0.050	0.25	mg/kg	95	106	80-125	11	30
Trichlorofluoromethane	N.D.	0.10	0.25	mg/kg	86	91	58-133	5	30
1,2,3-Trichloropropane	N.D.	0.050	0.25	mg/kg	93	103	71-123	11	30
1,3,5-Trimethylbenzene	N.D.	0.050	0.25	mg/kg	88	99	78-120	12	30
Vinyl Chloride	N.D.	0.050	0.25	mg/kg	78	90	59-120	14	30
Xylene (Total)	N.D.	0.050	0.25	mg/kg	92	102	80-120	11	30

Batch number: R150471AA

Sample number(s): 7767352-7767353

Benzene	N.D.	0.025	0.25	mg/kg	100	95	80-120	5	30
Ethylbenzene	N.D.	0.050	0.25	mg/kg	95	91	80-120	5	30
Methyl Tertiary Butyl Ether	N.D.	0.025	0.25	mg/kg	102	91	72-120	11	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.

Quality Control Summary

Client Name: ChevronTexaco

Group Number: 1537390

Reported: 02/23/15 at 11:13 AM

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Naphthalene	N.D.	0.050	0.25	mg/kg	81	78	64-120	4	30
Toluene	N.D.	0.050	0.25	mg/kg	101	96	80-120	5	30
Xylene (Total)	N.D.	0.050	0.25	mg/kg	97	90	80-120	7	30

Batch number: 15045SLE026

Sample number(s): 7767306-7767312

Acenaphthene	N.D.	0.003	0.017	mg/kg	97		83-116		
Acenaphthylene	N.D.	0.003	0.017	mg/kg	104		83-127		
Anthracene	N.D.	0.003	0.017	mg/kg	102		82-118		
Benzo(a)anthracene	N.D.	0.003	0.017	mg/kg	83		76-119		
Benzo(a)pyrene	N.D.	0.003	0.017	mg/kg	90		85-117		
Benzo(b)fluoranthene	N.D.	0.003	0.017	mg/kg	87		78-129		
Benzo(g,h,i)perylene	N.D.	0.003	0.017	mg/kg	101		82-119		
Benzo(k)fluoranthene	N.D.	0.003	0.017	mg/kg	88		79-120		
4-Bromophenyl-phenylether	N.D.	0.017	0.033	mg/kg	101		84-120		
Butylbenzylphthalate	N.D.	0.067	0.17	mg/kg	101		80-118		
Di-n-butylphthalate	N.D.	0.067	0.17	mg/kg	104		84-120		
Carbazole	N.D.	0.017	0.033	mg/kg	100		78-117		
4-Chloro-3-methylphenol	N.D.	0.017	0.033	mg/kg	102		79-127		
4-Chloroaniline	N.D.	0.017	0.033	mg/kg	55		10-101		
bis(2-Chloroethoxy)methane	N.D.	0.017	0.033	mg/kg	95		77-116		
bis(2-Chloroethyl) ether	N.D.	0.017	0.033	mg/kg	93		77-115		
2-Chloronaphthalene	N.D.	0.007	0.033	mg/kg	103		63-146		
2-Chlorophenol	N.D.	0.017	0.033	mg/kg	103		85-123		
4-Chlorophenyl-phenylether	N.D.	0.017	0.033	mg/kg	97		81-120		
2,2'-oxybis(1-Chloropropane)	N.D.	0.017	0.033	mg/kg	103		70-119		
Chrysene	N.D.	0.003	0.017	mg/kg	86		80-121		
Dibenz(a,h)anthracene	N.D.	0.003	0.017	mg/kg	107		81-123		
Dibenzofuran	N.D.	0.017	0.033	mg/kg	98		85-115		
1,2-Dichlorobenzene	N.D.	0.017	0.033	mg/kg	96		79-112		
1,3-Dichlorobenzene	N.D.	0.017	0.033	mg/kg	90		79-113		
1,4-Dichlorobenzene	N.D.	0.017	0.033	mg/kg	95		79-112		
3,3'-Dichlorobenzidine	N.D.	0.10	0.33	mg/kg	40		16-117		
2,4-Dichlorophenol	N.D.	0.017	0.033	mg/kg	107		81-123		
Diethylphthalate	N.D.	0.067	0.17	mg/kg	102		81-118		
2,4-Dimethylphenol	N.D.	0.017	0.033	mg/kg	101		83-120		
Dimethylphthalate	N.D.	0.067	0.17	mg/kg	99		82-113		
4,6-Dinitro-2-methylphenol	N.D.	0.17	0.50	mg/kg	104		76-124		
2,4-Dinitrophenol	N.D.	0.30	1.0	mg/kg	105		47-130		
2,4-Dinitrotoluene	N.D.	0.067	0.17	mg/kg	107		81-122		
2,6-Dinitrotoluene	N.D.	0.017	0.033	mg/kg	107		83-120		
bis(2-Ethylhexyl)phthalate	N.D.	0.067	0.17	mg/kg	101		81-121		
Fluoranthene	N.D.	0.003	0.017	mg/kg	95		81-117		
Fluorene	N.D.	0.003	0.017	mg/kg	99		86-118		
Hexachlorobenzene	N.D.	0.003	0.017	mg/kg	99		75-123		
Hexachlorobutadiene	N.D.	0.017	0.033	mg/kg	94		78-121		
Hexachlorocyclopentadiene	N.D.	0.17	0.50	mg/kg	107		75-176		
Hexachloroethane	N.D.	0.033	0.17	mg/kg	96		78-114		
Indeno(1,2,3-cd)pyrene	N.D.	0.003	0.017	mg/kg	103		81-118		
Isophorone	N.D.	0.017	0.033	mg/kg	105		87-125		
2-Methylnaphthalene	N.D.	0.003	0.017	mg/kg	100		83-109		
2-Methylphenol	N.D.	0.017	0.033	mg/kg	103		82-125		
4-Methylphenol	N.D.	0.017	0.033	mg/kg	95		75-119		
Naphthalene	N.D.	0.003	0.017	mg/kg	97		83-112		
2-Nitroaniline	N.D.	0.017	0.033	mg/kg	110		84-126		
3-Nitroaniline	N.D.	0.067	0.17	mg/kg	102		66-119		
4-Nitroaniline	N.D.	0.067	0.17	mg/kg	73		48-112		

*- 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.

Quality Control Summary

Client Name: ChevronTexaco

Group Number: 1537390

Reported: 02/23/15 at 11:13 AM

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Nitrobenzene	N.D.	0.017	0.033	mg/kg	100		80-115		
2-Nitrophenol	N.D.	0.017	0.033	mg/kg	99		83-120		
4-Nitrophenol	N.D.	0.17	0.50	mg/kg	110		60-129		
N-Nitroso-di-n-propylamine	N.D.	0.017	0.033	mg/kg	98		75-116		
N-Nitrosodiphenylamine	N.D.	0.017	0.033	mg/kg	97		83-118		
Di-n-octylphthalate	N.D.	0.067	0.17	mg/kg	111		82-134		
Pentachlorophenol	N.D.	0.033	0.17	mg/kg	98		57-126		
Phenanthrene	N.D.	0.003	0.017	mg/kg	93		80-114		
Phenol	N.D.	0.017	0.033	mg/kg	94		75-117		
Pyrene	N.D.	0.003	0.017	mg/kg	89		81-114		
1,2,4-Trichlorobenzene	N.D.	0.017	0.033	mg/kg	100		83-113		
2,4,5-Trichlorophenol	N.D.	0.017	0.033	mg/kg	95		86-123		
2,4,6-Trichlorophenol	N.D.	0.017	0.033	mg/kg	101		81-123		
Batch number: 15042A34A	Sample number(s): 7767306-7767311								
TPH-GRO N. CA soil C6-C12	N.D.	0.5	1.0	mg/kg	93	103	73-120	10	30
Batch number: 15043A34A	Sample number(s): 7767314-7767330								
TPH-GRO N. CA soil C6-C12	N.D.	0.5	1.0	mg/kg	96	102	73-120	7	30
Batch number: 15043B34A	Sample number(s): 7767331-7767334, 7767338-7767341								
TPH-GRO N. CA soil C6-C12	N.D.	0.5	1.0	mg/kg	92	96	73-120	4	30
Batch number: 15044A34A	Sample number(s): 7767312, 7767335-7767337, 7767342-7767343, 7767346, 7767348-7767349								
TPH-GRO N. CA soil C6-C12	1.1	0.5	1.0	mg/kg	87	104	73-120	18	30
Batch number: 15048A34A	Sample number(s): 7767313, 7767344-7767345, 7767347, 7767350-7767354								
TPH-GRO N. CA soil C6-C12	N.D.	0.5	1.0	mg/kg	100	99	73-120	2	30
Batch number: 150440006A	Sample number(s): 7767306-7767312								
PCB-1016	N.D.	0.0036	0.017	mg/kg	105		76-121		
PCB-1221	N.D.	0.0046	0.017	mg/kg					
PCB-1232	N.D.	0.0080	0.017	mg/kg					
PCB-1242	N.D.	0.0033	0.017	mg/kg					
PCB-1248	N.D.	0.0033	0.017	mg/kg					
PCB-1254	N.D.	0.0033	0.017	mg/kg					
PCB-1260	N.D.	0.0049	0.017	mg/kg	116		79-132		
Batch number: 150480013A	Sample number(s): 7767306-7767312								
TPH-DRO soil C10-C28 microwave	N.D.	4.0	12	mg/kg	98		81-121		
Batch number: 150470032A	Sample number(s): 7767306-7767312								
Total TPH	N.D.	10.	30	mg/kg	85		64-122		
TPH Motor Oil C16-C36	N.D.	10.	30	mg/kg					
Batch number: 150445708003	Sample number(s): 7767306-7767312								
Cadmium	N.D.	0.0330	0.500	mg/kg	98		80-120		
Chromium	N.D.	0.110	1.50	mg/kg	103		80-120		
Lead	N.D.	0.500	1.50	mg/kg	101		80-120		
Nickel	N.D.	0.150	1.00	mg/kg	100		80-120		
Zinc	0.442 J	0.260	2.00	mg/kg	98		80-120		

*- 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.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 02/23/15 at 11:13 AM

Group Number: 1537390

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Batch number: B150431AA	Sample number(s): 7767306-7767308,7767311,7767319,7767322,7767324-7767329,7767332-7767333 UNSPK: 7767332								
Acetone	184	206*	31-195	7	30				
t-Amyl methyl ether	104	102	50-132	2	30				
Benzene	339 (2)	227 (2)	55-143	7	30				
Bromobenzene	106	103	43-139	2	30				
Bromochloromethane	111	108	60-137	3	30				
Bromodichloromethane	142*	166*	53-136	16	30				
Bromoform	100	98	50-144	2	30				
Bromomethane	136	133	42-168	1	30				
2-Butanone	110	111	37-163	1	30				
t-Butyl alcohol	77	54	47-153	27	30				
n-Butylbenzene	96	164*	30-146	31*	30				
sec-Butylbenzene	99	131	33-157	20	30				
tert-Butylbenzene	104	112	41-152	8	30				
Carbon Disulfide	117	112	48-146	4	30				
Carbon Tetrachloride	116	111	51-165	4	30				
Chlorobenzene	105	101	49-135	3	30				
Chloroethane	131	131	39-152	0	30				
2-Chloroethyl Vinyl Ether	102	105	32-139	3	30				
Chloroform	133	150*	61-142	12	30				
Chloromethane	118	122	36-143	3	30				
2-Chlorotoluene	103	102	42-146	0	30				
4-Chlorotoluene	102	100	39-145	1	30				
1,2-Dibromo-3-chloropropane	132	157	34-165	17	30				
Dibromochloromethane	105	102	51-128	3	30				
1,2-Dibromoethane	108	107	54-129	0	30				
Dibromomethane	110	108	57-130	1	30				
1,2-Dichlorobenzene	104	103	36-133	1	30				
1,3-Dichlorobenzene	102	99	34-134	2	30				
1,4-Dichlorobenzene	101	99	35-136	2	30				
Dichlorodifluoromethane	127	127	26-151	0	30				
1,1-Dichloroethane	106	106	63-142	1	30				
1,2-Dichloroethane	171*	168*	54-143	2	30				
1,1-Dichloroethene	126	121	61-149	3	30				
cis-1,2-Dichloroethene	107	103	67-135	3	30				
trans-1,2-Dichloroethene	124	121	64-144	2	30				
1,2-Dichloropropane	120	134	54-144	11	30				
1,3-Dichloropropane	105	102	51-140	3	30				
2,2-Dichloropropane	104	97	53-147	6	30				
1,1-Dichloropropene	116	114	54-145	1	30				
cis-1,3-Dichloropropene	100	97	45-137	3	30				
trans-1,3-Dichloropropene	100	99	51-134	0	30				
Ethanol	77	60	35-189	24	30				
Ethyl t-butyl ether	103	99	58-124	3	30				
Ethylbenzene	230 (2)	585 (2)	44-141	40*	30				
Freon 113	132	124	56-156	6	30				
Hexachlorobutadiene	100	94	10-155	6	30				
2-Hexanone	99	96	32-160	3	30				
di-Isopropyl ether	103	101	59-133	1	30				
Isopropylbenzene	129	220*	38-144	38*	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.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 02/23/15 at 11:13 AM

Group Number: 1537390

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
p-Isopropyltoluene	91	99	29-152	7	30			
Methyl Tertiary Butyl Ether	148 (2)	105 (2)	55-129	6	30			
4-Methyl-2-pentanone	156*	178*	46-139	13	30			
Methylene Chloride	236*	306*	60-149	26	30			
Naphthalene	93	112	10-138	15	30			
n-Propylbenzene	147	452*	39-157	59*	30			
Styrene	102	98	35-134	3	30			
1,1,1,2-Tetrachloroethane	107	102	55-139	4	30			
1,1,2,2-Tetrachloroethane	105	104	29-182	0	30			
Tetrachloroethene	117	114	42-149	2	30			
Toluene	104	104	50-146	1	30			
1,2,3-Trichlorobenzene	106	106	10-140	1	30			
1,2,4-Trichlorobenzene	102	101	10-136	1	30			
1,1,1-Trichloroethane	105	101	52-146	3	30			
1,1,2-Trichloroethane	107	104	58-152	3	30			
Trichloroethene	113	109	53-144	3	30			
Trichlorofluoromethane	127	125	47-163	1	30			
1,2,3-Trichloropropane	107	105	36-180	2	30			
1,2,4-Trimethylbenzene	110	121	37-149	8	30			
1,3,5-Trimethylbenzene	109	114	38-150	5	30			
Vinyl Chloride	121	122	50-154	1	30			
m+p-Xylene	110	114	44-137	4	30			
o-Xylene	107	104	42-137	3	30			
Xylene (Total)	109	111	44-136	2	30			

Batch number: 15045SLE026	Sample number(s): 7767306-7767312 UNSPK: 7767306							
Acenaphthene	94	97	45-141	3	30			
Acenaphthylene	100	103	53-143	4	30			
Anthracene	96	97	42-147	2	30			
Benzo(a)anthracene	79	79	32-150	0	30			
Benzo(a)pyrene	83	82	36-151	1	30			
Benzo(b)fluoranthene	93	89	29-150	3	30			
Benzo(g,h,i)perylene	98	97	41-147	1	30			
Benzo(k)fluoranthene	80	80	35-146	1	30			
4-Bromophenyl-phenylether	103	102	48-146	0	30			
Butylbenzylphthalate	97	100	50-137	3	30			
Di-n-butylphthalate	102	102	65-126	1	30			
Carbazole	95	95	36-143	1	30			
4-Chloro-3-methylphenol	95	99	48-141	4	30			
4-Chloroaniline	40	48	10-100	20	30			
bis(2-Chloroethoxy)methane	90	93	64-119	3	30			
bis(2-Chloroethyl)ether	90	91	63-122	1	30			
2-Chloronaphthalene	94	95	40-156	2	30			
2-Chlorophenol	101	96	50-142	5	30			
4-Chlorophenyl-phenylether	93	94	49-135	2	30			
2,2'-oxybis(1-Chloropropane)	100	98	60-120	2	30			
Chrysene	79	83	28-146	5	30			
Dibenz(a,h)anthracene	103	102	38-156	0	30			
Dibenzofuran	93	94	34-146	1	30			
1,2-Dichlorobenzene	94	92	51-130	2	30			
1,3-Dichlorobenzene	89	88	51-125	0	30			
1,4-Dichlorobenzene	90	90	50-127	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.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 02/23/15 at 11:13 AM

Group Number: 1537390

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
3,3'-Dichlorobenzidine	52	53	10-143	2	30				
2,4-Dichlorophenol	103	104	46-145	1	30				
Diethylphthalate	97	98	61-124	2	30				
2,4-Dimethylphenol	96	97	38-140	2	30				
Dimethylphthalate	96	94	59-124	1	30				
4,6-Dinitro-2-methylphenol	96	86	10-148	11	30				
2,4-Dinitrophenol	79	74	20-143	7	30				
2,4-Dinitrotoluene	97	98	37-149	1	30				
2,6-Dinitrotoluene	100	100	54-134	1	30				
bis(2-Ethylhexyl)phthalate	97	100	60-133	3	30				
Fluoranthene	89	89	41-135	1	30				
Fluorene	94	97	43-146	3	30				
Hexachlorobenzene	99	93	36-150	5	30				
Hexachlorobutadiene	90	95	65-125	7	30				
Hexachlorocyclopentadiene	14	38	10-153	94*	30				
Hexachloroethane	91	87	37-143	4	30				
Indeno(1,2,3-cd)pyrene	102	99	35-151	2	30				
Isophorone	100	100	68-119	1	30				
2-Methylnaphthalene	94	97	39-140	3	30				
2-Methylphenol	101	96	36-149	5	30				
4-Methylphenol	92	87	46-135	5	30				
Naphthalene	94	96	39-147	3	30				
2-Nitroaniline	103	108	46-152	5	30				
3-Nitroaniline	87	90	31-145	3	30				
4-Nitroaniline	79	87	30-131	10	30				
Nitrobenzene	95	96	54-131	2	30				
2-Nitrophenol	97	95	38-150	1	30				
4-Nitrophenol	102	108	25-142	6	30				
N-Nitroso-di-n-propylamine	95	89	58-126	6	30				
N-Nitrosodiphenylamine	97	97	41-147	1	30				
Di-n-octylphthalate	105	106	53-156	2	30				
Pentachlorophenol	99	101	23-145	2	30				
Phenanthrene	90	89	42-141	1	30				
Phenol	92	89	53-129	2	30				
Pyrene	87	85	37-140	2	30				
1,2,4-Trichlorobenzene	95	98	45-139	4	30				
2,4,5-Trichlorophenol	92	94	42-144	3	30				
2,4,6-Trichlorophenol	99	102	43-145	3	30				

Batch number: 150440006A Sample number(s): 7767306-7767312 UNSPK: P767298
PCB-1016 90 89 41-135 0 50
PCB-1260 95 96 38-148 1 50

Batch number: 150480013A Sample number(s): 7767306-7767312 UNSPK: P769148 BKG: P769148
TPH-DRO soil C10-C28 microwave 92 35-129 N.D. N.D. 0 (1) 20

Batch number: 150470032A Sample number(s): 7767306-7767312 UNSPK: P767298 BKG: P767298
Total TPH 53 31-131 100 180 57* (1) 20
TPH Motor Oil C16-C36 100 180 57* (1) 20

Batch number: 150445708003 Sample number(s): 7767306-7767312 UNSPK: 7767310 BKG: 7767310
Cadmium 94 99 75-125 5 20 0.0843 J 0.0627 J 29* (1) 20

*- 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.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 02/23/15 at 11:13 AM

Group Number: 1537390

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u>	<u>RPD</u> <u>Max</u>
Chromium	123 (2)	154 (2)	75-125	5	20	83.9	87.8	5	20
Lead	96	97	75-125	0	20	3.77	3.72	1 (1)	20
Nickel	100	136*	75-125	9	20	127	126	1	20
Zinc	103	116	75-125	7	20	39.2	40.0	2	20

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: VOCs 8260 BTEX/MTBE/Naph Soil
Batch number: A150422AA

	D	12-D	- 4	T	- 8	4-B
7767313	103	103		102		92
7767314	102	102		100		92
7767315	104	102		106		85
7767316	102	102		98		95
7767317	103	104		98		96
7767318	102	103		99		95
Blank	102	105		97		97
LCS	101	103		99		100
LCS D	101	102		99		100
Limits:	50-141	54-135		52-141		50-131

Analysis Name: VOCs 8260 BTEX/MTBE/Naph Soil
Batch number: A150431AA

	D	12-D	- 4	T	- 8	4-B
7767334	101	101		101		100
7767336	101	106		131		109
7767337	97	102		108		104
7767338	100	99		99		97
7767339	99	100		101		100
7767341	100	102		103		90
7767342	100	103		98		98
7767343	101	102		99		98
7767344	96	97		101		98
7767345	99	98		100		98
7767346	100	103		100		98
7767348	101	100		104		90
7767349	97	99		107		113
Blank	103	102		97		97
LCS	102	101		99		99
LCS D	102	101		99		99
Limits:	50-141	54-135		52-141		50-131

Analysis Name: 8260 Full List + Sep Xylenes
Batch number: B150431AA

	D	12-D	- 4	T	- 8	4-B
--	---	------	-----	---	-----	-----

*- 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.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 02/23/15 at 11:13 AM

Group Number: 1537390

Surrogate Quality Control

7767306	103	100	103	86
7767307	104	101	97	91
7767308	103	101	96	92
7767311	102	97	104	97
7767319	110	106	97	95
7767322	104	107	96	96
7767324	112	109	95	95
7767325	106	99	99	96
7767326	108	99	100	90
7767327	108	107	96	95
7767328	102	99	101	97
7767329	101	99	100	100
7767332	107	99	101	98
7767333	105	106	97	95
Blank	107	105	100	88
LCS	108	101	99	99
MS	104	103	103	99
MSD	102	98	106	100
Limits:	50-141	54-135	52-141	50-131

Analysis Name: VOCs 8260 BTEX/MTBE/Naph Soil
Batch number: B150473AA

D	12-D	- 4	T	- 8	4-B
7767335	97	109	106	111	
Blank	103	104	99	97	
LCS	101	98	100	100	
LCSD	99	100	99	99	
Limits:	50-141	54-135	52-141	50-131	

Analysis Name: VOCs 8260 BTEX/MTBE/Naph Soil
Batch number: Q150431AA

D	12-D	- 4	T	- 8	4-B
7767321	80	80	83	82	
7767323	80	82	84	84	
7767330	83	79	85	84	
7767331	81	80	81	82	
7767340	79	80	78	78	
7767347	90	90	90	91	
7767350	78	79	84	83	
7767354	92	92	99	98	
Blank	95	93	95	88	
LCS	97	96	98	93	
LCSD	106	103	106	103	
Limits:	50-141	54-135	52-141	50-131	

Analysis Name: 8260 Full List + Sep Xylenes
Batch number: Q150471AA

D	12-D	- 4	T	- 8	4-B
7767310	86	85	89	94	
7767312	77	76	78	79	
Blank	91	90	89	82	
LCS	103	100	101	96	
LCSD	93	90	92	88	
Limits:	50-141	54-135	52-141	50-131	

Analysis Name: VOCs 8260 BTEX/MTBE/Naph Soil

*- 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.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 02/23/15 at 11:13 AM

Group Number: 1537390

Surrogate Quality Control

Batch number: Q150481AA

	D	12-D	- 4	T	- 8	4-B
7767351	73	72		88		86
Blank	101	100		98		92
LCS	91	86		89		84
LCSD	87	85		84		80
Limits:	50-141	54-135		52-141		50-131

Analysis Name: 8260 Full List + Sep Xylenes
Batch number: R150431AA

	D	12-D	- 4	T	- 8	4-B
7767309	77	78		82		95
7767320	90	91		93		96
Blank	91	94		89		82
LCS	87	89		88		91
LCSD	96	98		97		100
Limits:	50-141	54-135		52-141		50-131

Analysis Name: VOCs 8260 BTEX/MTBE/Naph Soil
Batch number: R150471AA

	D	12-D	- 4	T	- 8	4-B
7767352	70	74		83		99
7767353	76	75		77		80
Blank	87	90		86		80
LCS	93	95		95		96
LCSD	86	87		89		86
Limits:	50-141	54-135		52-141		50-131

Analysis Name: TCL 8270 (microwave)
Batch number: 15045SLE026

	P	- 6	2-F	246-T	N	- 5	2-F	T	- 14
7767306	90		96	101	86		88	103	
7767307	93		98	103	88		85	108	
7767308	64		69	74	64		63	77	
7767309	87		97	103	91		88	107	
7767310	85		94	103	83		86	105	
7767311	91		98	103	90		89	107	
7767312	85		94	101	87		83	105	
Blank	96		105	115	95		91	115	
LCS	94		101	107	94		90	107	
MS	91		97	98	89		90	104	
MSD	87		95	103	92		91	106	
Limits:	58-122		57-128	36-142	54-123		63-124	61-142	

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 15042A34A

	T	-F
7767306	73	
7767307	75	
7767308	74	
7767309	370*	
7767310	86	
7767311	77	
Blank	88	
LCS	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.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 02/23/15 at 11:13 AM

Group Number: 1537390

Surrogate Quality Control

LCSD 93
Limits: 50-142

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 15043A34A

	T	-F
7767314	72	
7767315	72	
7767316	76	
7767317	74	
7767318	78	
7767319	75	
7767320	111	
7767321	109	
7767322	75	
7767323	123	
7767324	68	
7767325	71	
7767326	77	
7767327	72	
7767328	77	
7767329	76	
7767330	77	
Blank	87	
LCS	87	
LCSD	91	
Limits:	50-142	

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 15043B34A

	T	-F
7767331	193*	
7767332	68	
7767333	70	
7767334	75	
7767338	70	
7767339	70	
7767340	100	
7767341	73	
Blank	86	
LCS	83	
LCSD	88	
Limits:	50-142	

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 15044A34A

	T	-F
7767312	89	
7767335	70	
7767336	78	
7767337	60	
7767342	72	
7767343	65	
7767346	69	
7767348	68	
7767349	75	

*- 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.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 02/23/15 at 11:13 AM

Group Number: 1537390

Surrogate Quality Control

Blank 79
LCS 79
LCSD 86
Limits: 50-142

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 15048A34A

	T	-F
7767313	73	
7767344	68	
7767345	66	
7767347	86	
7767350	78	
7767351	76	
7767352	245*	
7767353	117	
7767354	133	
Blank	89	
LCS	86	
LCSD	85	
Limits:	50-142	

Analysis Name: PCBs Soil 8082 Microwave
Batch number: 150440006A

	T	- -	D
7767306	93		100
7767307	104		114
7767308	95		98
7767309	95		107
7767310	99		113
7767311	150*		181*
7767312	92		105
Blank	101		107
LCS	106		115
MS	91		95
MSD	91		94
Limits:	41-146		48-151

Analysis Name: TPH Fuels by GC (Soils)
Batch number: 150470032A

	C	O
7767306	90	80
7767307	87	74
7767308	85	70
7767309	93	78
7767310	95	83
7767311	99	84
7767312	83	72
Blank	92	82
DUP	84	78
LCS	100	84
MS	87	74
Limits:	58-129	56-133

Analysis Name: TPH-DRO soil C10-C28 microwave
Batch number: 150480013A

*- 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.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 02/23/15 at 11:13 AM

Group Number: 1537390

Surrogate Quality Control

	0
7767306	86
7767307	86
7767308	65
7767309	80
7767310	88
7767311	66
7767312	83
Blank	92
DUP	93
LCS	71
MS	66
Limits:	54-145

*- 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.

Chevron California Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # 10880

For Lancaster Laboratories use only
Group # 1537390 Sample # 176130654
Instructions on reverse side correspond with circled numbers.

P. 30 F5

028615-84

GLOBAL ID: TO600100339

1 Client Information

Facility # Chevron 90076 WBS 07.11

Site Address 4265 Foothill Blvd., Oakland, CA

Chevron PM Alexis Coulter Lead Consultant CRA

Consultant/Office Emeryville, CA

Consultant Project Mgr. Nathan Lee

Consultant Phone # (915) 849-1003

Sampler A. BEERLING / O. YAN

4 Matrix

Sediment

Ground

Surface

Potable

NPDES

Air

Water

Oil

5 Analyses Requested

Total Number of Containers 1

BTEX + MTBE 8021 8260

~~1~~ NAPHTHALENE 8015 8260

TPH GRO 8015 8260

TPH 8015 MOD DRO + TPH 8015 MOD MD

Silica Gel Cleanup

8260 Full Scan

Oxygenates

Total Lead Method

Dissolved Lead Method

PCBS by 8081/8082 - SVOCS

TAME, ETBE, PIPE, TBA BY 8060

LUFT METALS (Cd, Cr, Pb, Ni, Zn)

CHLORINATED VOCs

SCR #: _____

Results in Dry Weight

J value reporting needed

Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation

Confirm highest hit by 8260

Confirm all hits by 8260

Run _____ oxy's on highest hit

Run _____ oxy's on all hits

2 Sample Identification

Sample Identification	Collected		Grab	Composite
	Date	Time		
B5 @ 3'	02/04/15	0850	X	
B5 @ 8'		0915		
B5 @ 10'		0930		
B5 @ 15'		0940		
B5 @ 20'		0950		
B5 @ 25'		1020		
B5 @ 30'		1050		
VP-5 @ 3'		1250		
VP-5 @ 6'		1305		
VP-6 @ 3'		1435		
VP-6 @ 6'		1445		
VP-4 @ 3'	02/05/15	1320	X	
VP-4 @ 6'	02/05/15	1500	X	

Soil	Water	Oil	Total Number of Containers	BTEX + MTBE 8021	NAPHTHALENE 8015	TPH GRO 8015	TPH 8015 MOD DRO + TPH 8015 MOD MD	Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead	Dissolved Lead	PCBS by 8081/8082 - SVOCS	TAME, ETBE, PIPE, TBA BY 8060	LUFT METALS (Cd, Cr, Pb, Ni, Zn)	CHLORINATED VOCs
			1	X	X	X							X	X	X	X

6 Remarks

email results to: nlee@croworld.com

SVOCS - naphthalene, PCBs, PAHs, Creosole, and etc)

7 Turnaround Time Requested (TAT) (please circle)

Standard 5 day 4 day

72 hour 48 hour 24 hour

Relinquished by [Signature] Date 02/04/15 Time _____

Received by CRA SECURE LOCATION Date 02/04/15 Time _____

Relinquished by [Signature] Date _____ Time _____

Received by [Signature] Date 06 FEB 15 Time 1515

8 Data Package Options (please circle if required)

Type I - Full Type VI (Raw Data)

Relinquished by Commercial Carrier: UPS 2/4/15 1600 Date _____ Time _____

Received by [Signature] Date 2/10/15 Time 930

Temperature Upon Receipt 0.6-5.0°C Custody Seals Intact? (Yes) No

Chevron California Region Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # 10880

For Lancaster Laboratories use only
 Group # 1537390 Sample # 17167306-54
Instructions on reverse side correspond with circled numbers.

P. 4 of 5

620615-44

GLOBAL ID: T0600100339

1 Client Information				4 Matrix				5 Analyses Requested													
Facility # <u>Chevron 90076</u>		WBS <u>07.11</u>		<input type="checkbox"/> Sediment <input type="checkbox"/> Potable <input type="checkbox"/> Ground <input type="checkbox"/> NPDES <input type="checkbox"/> Surface <input type="checkbox"/> Water <input type="checkbox"/> Air <input type="checkbox"/> Oil	<input checked="" type="checkbox"/> Composite <input checked="" type="checkbox"/> Soil	Total Number of Containers BTEX + MTBE 8021 <input type="checkbox"/> TPH GRO 8015 <input checked="" type="checkbox"/> TPH 8015 MOD DRO <input type="checkbox"/> 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"/>	Site Address <u>4265 Foothill Boulevard, Oakland, CA</u>		Chevron PM <u>Alexis Coulter</u>		Lead Consultant <u>CRA</u>		Consultant/Office <u>Emeryville, CA</u>		Consultant Project Mgr. <u>Nathan Lee</u>		Consultant Phone # <u>(925) 849-1003</u>		Sampler <u>O. YAN / A. DEERLING.</u>		
2 Sample Identification		3 Collected					Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE 8021	TPH GRO 8015	TPH 8015 MOD DRO	Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead Method	Dissolved Lead Method	
Date	Time	Date	Time																		
<u>B3 @ 3'</u>	<u>02/05/15</u>	<u>0835</u>					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				<u>1</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
<u>B3 @ 8'</u>		<u>0855</u>																			
<u>B3 @ 10'</u>		<u>0910</u>																			
<u>B3 @ 15'</u>		<u>0920</u>																			
<u>B3 @ 20'</u>		<u>0935</u>																			
<u>B3 @ 25'</u>		<u>0945</u>																			
<u>B3 @ 30'</u>		<u>1000</u>																			
<u>B4 @ 3'</u>		<u>1105</u>																			
<u>B4 @ 8'</u>		<u>1125</u>																			
<u>B4 @ 10'</u>		<u>1205</u>																			
<u>B4 @ 15'</u>		<u>1210</u>																			
<u>B4 @ 20'</u>		<u>1220</u>																			
<u>B4 @ 25'</u>		<u>1230</u>																			

- SCR #: _____
- Results in Dry Weight
 - J value reporting needed
 - Must meet lowest detection limits possible for 8260 compounds
 - 8021 MTBE Confirmation
 - Confirm highest hit by 8260
 - Confirm all hits by 8260
 - Run _____ oxy's on highest hit
 - Run _____ oxy's on all hits

6 Remarks			
<p>email results to: <u>nlee@craworld.com</u></p>			

7 Turnaround Time Requested (TAT) (please circle)			
<u>Standard</u>	5 day	4 day	
72 hour	48 hour	24 hour	

8 Data Package Options (please circle if required)	
Type I - Full	Type VI (Raw Data)

Relinquished by <u>[Signature]</u>	Date <u>02/05/15</u>	Time	Received by <u>[Signature]</u>	Date <u>02/05/15</u>	Time <u>1515</u>
Relinquished by <u>[Signature]</u>	Date <u>2/6/15</u>	Time <u>1600</u>	Received by <u>FE</u>	Date	Time
Relinquished by Commercial Carrier: UPS _____ FedEx <input checked="" type="checkbox"/> Other _____			Received by <u>[Signature]</u>	Date <u>2/10/15</u>	Time <u>930</u>
Temperature Upon Receipt <u>0.6-5.0c</u>			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 # 1537390 Sample # 7767306-54
 Instructions on reverse side correspond with circled numbers.

P.10F5

GI: TO600L00329

1 Client Information				4 Matrix				5 Analyses Requested												6 Remarks	
Facility # <u>Chevron 90076</u>		WBS <u>07.11</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"/> + NAPHTHALENE 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												SCR #: _____	
Site Address <u>4265 Foothill Blvd, Oakland, CA</u>																					
Chevron PM <u>Alexis Coulter</u>		Lead Consultant <u>CRA</u>																			
Consultant/Office <u>Emeryville, CA</u>																					
Consultant Project Mgr. <u>Nathan Lee</u>																					
Consultant Phone # <u>(925) 849-1003</u>																					
Sampler <u>O. VAN / A. BEERLING</u>				3 Grab Composite		1 2 3 4 5 6 7 8 9 10 11 12												7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25			
2 Sample Identification		Soil Depth	Collected																		
			Date																	Time	
<u>B4 @ 30'</u>		<u>30</u>	<u>02/05/15</u>																	<u>12:15</u>	
<u>VP-4 @ 3'</u>		<u>3</u>	<u>02/05/15</u>																	<u>13:20</u>	
<u>VP-4 @ 6'</u>		<u>6</u>	<u>02/05/15</u>																	<u>13:20</u>	
<u>B1 @ 3'</u>		<u>3'</u>	<u>02/05/15</u>																	<u>13:55</u>	
<u>B1 @ 8'</u>		<u>8'</u>	<u>02/05/15</u>																	<u>16:25</u>	
<u>B1 @ 10'</u>		<u>10'</u>	<u>02/06/15</u>																	<u>08:05</u>	
<u>B1 @ 14'</u>		<u>14'</u>	<u>02/06/15</u>																	<u>08:10</u>	
<u>B1 @ 15'</u>		<u>15'</u>	<u>02/06/15</u>	<u>08:15</u>																	
<u>B1 @ 20'</u>		<u>20'</u>	<u>02/06/15</u>	<u>08:20</u>																	
<u>B1 @ 25'</u>		<u>25'</u>	<u>02/06/15</u>	<u>08:35</u>																	
7 Turnaround Time Requested (TAT) (please circle)					Relinquished by <u>[Signature]</u>		Date <u>02/05/15</u>		Time <u>1645</u>		Received by <u>CRA SECURITY EVALUATION</u>		Date <u>02/05/15</u>		Time <u>1645</u>						
Standard <input checked="" type="checkbox"/> 5 day 4 day 72 hour 48 hour 24 hour					Relinquished by <u>[Signature]</u>		Date <u>2/6/15</u>		Time <u>1600</u>		Received by <u>FE</u>		Date <u>06 FEB 15</u>		Time <u>1515</u>						
8 Data Package (circle if required) Type I - Full Type VI (Raw Data)					Relinquished by <u>[Signature]</u>		Date <u>2/6/15</u>		Time <u>1600</u>		Received by <u>[Signature]</u>		Date <u>2/10/15</u>		Time <u>430</u>						
EDD (circle if required) EDFFLAT (default) Other: _____					Relinquished by Commercial Carrier: UPS _____ FedEx <input checked="" type="checkbox"/> Other _____		Temperature Upon Receipt <u>06.50 °C</u>		Custody Seals Intact?		Yes <input checked="" type="checkbox"/> No		Date <u>2/10/15</u>		Time <u>430</u>						

- Results in Dry Weight
- J value reporting needed
- Must meet lowest detection limits possible for 8260 compounds
- 8021 MTBE Confirmation
- Confirm highest hit by 8260
- Confirm all hits by 8260
- Run _____ oxy's on highest hit
- Run _____ oxy's on all hits

6
 Remarks
 email results to:
nlee@creworld.com
 B1 @ 3' TWO DIFFERENT TIMES WERE RECORDED.
a. falger

Chevron California Region Analysis Request/Chain of Custody



Lancaster Laboratories Environmental

For Eurofins Lancaster Laboratories Environmental use only

Acct. # 10880

Group # 1537390

Sample # 776730654

P.20F5

Instructions on reverse side correspond with circled numbers.

024615-84

GLOBAL ID: T0600100329

1 Client Information				4 Matrix				5 Analyses Requested												6 Remarks																							
Facility # <u>Chevron 90076</u>		WBS <u>07.11</u>		Sediment <input type="checkbox"/>		Ground <input type="checkbox"/>		Surface <input type="checkbox"/>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Total Number of Containers</td> <td colspan="2">BTEX + MTBE 8021 <input type="checkbox"/></td> <td colspan="2">8260 <input checked="" type="checkbox"/></td> <td colspan="2">TPH-GRO 8015 <input type="checkbox"/></td> <td colspan="2">TPH-DRO 8015 without Silica Gel Cleanup <input type="checkbox"/></td> <td colspan="2">TPH-DRO 8015 with Silica Gel Cleanup <input type="checkbox"/></td> <td colspan="2">8260 Full Scan</td> <td colspan="2">Oxygenates</td> <td colspan="2">Total Lead Method</td> <td colspan="2">Dissolved Lead Method</td> </tr> </table>												Total Number of Containers		BTEX + MTBE 8021 <input type="checkbox"/>		8260 <input checked="" type="checkbox"/>		TPH-GRO 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		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	
Total Number of Containers		BTEX + MTBE 8021 <input type="checkbox"/>		8260 <input checked="" type="checkbox"/>		TPH-GRO 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													
Site Address <u>4265 Foothill Blvd, Oakland, CA</u>				Potable <input type="checkbox"/>		NPDES <input type="checkbox"/>		Air <input type="checkbox"/>																																			
Chevron PM <u>Alexis Coulter</u>		Lead Consultant <u>CRA</u>		Water		Oil																																					
Consultant/Office <u>CRA</u>				Composite <input checked="" type="checkbox"/>																																							
Consultant Project Mgr. <u>Nathan Lee</u>				Soil <input checked="" type="checkbox"/>																																							
Consultant Phone # <u>(925) 849-1003</u>				Soil																																							
Sampler <u>O.YAN / ABEERLINE</u>				Grab <input type="checkbox"/>																																							
Sample Identification		Soil Depth		Collected		Soil		Water														Oil																					
		Date	Time																																								
B1 @ 30'		30'		02/06/15 0845		<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>																													
B2 @ 3'		3'		0820																																							
B2 @ 8'		8'		0835																																							
B2 @ 10'		10'		0900																																							
B2 @ 15'		15'		0905																																							
B2 @ 20'		20'		0920																																							
B2 @ 25'		25'		0925																																							
B2 @ 30'		30'		0935																																							
B6 @ 3'		3'		1015																																							
B6 @ 8'		8'		1030																																							
7 Turnaround Time Requested (TAT) (please circle) Standard <input checked="" type="radio"/> 5 day 4 day 72 hour 48 hour 24 hour				Relinquished by <u>[Signature]</u>		Date <u>02/06/15</u>		Time <u>1515</u>		Received by <u>A. Sefer</u>		Date <u>06FEB15</u>		Time <u>1515</u>																													
				Relinquished by <u>[Signature]</u>		Date <u>2/6/15</u>		Time <u>1600</u>		Received by <u>FE</u>																																	
8 Data Package (circle if required) Type I - Full Type VI (Raw Data)				Relinquished by <u>[Signature]</u>		Date		Time		Received by		Date		Time																													
				Relinquished by Commercial Carrier:		Date		Time		Received by		Date		Time																													
EDD (circle if required) EDFFLAT (default) Other: _____				UPS _____ FedEx <input checked="" type="checkbox"/> Other _____		Date		Time		Received by <u>[Signature]</u>		Date <u>2/10/15</u>		Time <u>930</u>																													
				Temperature Upon Receipt <u>0.6-5.0C</u>				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 # 1537390 Sample # 776730654
 Instructions on reverse side correspond with circled numbers.

A.50F5

GLOBAL ID: T060010039

1 Client Information				4 Matrix				5 Analyses Requested												6 Remarks																							
Facility # <u>Chevron 90076</u>		WBS <u>07.11</u>		Sediment <input type="checkbox"/>		Ground <input type="checkbox"/>		Surface <input type="checkbox"/>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Total Number of Containers</td> <td colspan="2">BTEX + MTBE 8021 <input type="checkbox"/></td> <td colspan="2">8260 <input checked="" type="checkbox"/></td> <td colspan="2">8260 <input type="checkbox"/></td> <td colspan="2">TPH-DRO 8015 without Silica Gel Cleanup <input type="checkbox"/></td> <td colspan="2">TPH-DRO 8015 with Silica Gel Cleanup <input type="checkbox"/></td> <td colspan="2">8260 Full Scan</td> <td colspan="2">Oxygenates</td> <td colspan="2">Total Lead Method</td> <td colspan="2">Dissolved Lead Method</td> </tr> </table>												Total Number of Containers		BTEX + MTBE 8021 <input type="checkbox"/>		8260 <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		SCR #: _____	
Total Number of Containers		BTEX + MTBE 8021 <input type="checkbox"/>		8260 <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													
Site Address <u>4265 Foothill Blvd, Oakland, CA</u>				Potable <input type="checkbox"/>		Water NPDES <input type="checkbox"/>		Oil <input type="checkbox"/>														Air <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 <input type="checkbox"/>					
Chevron PM <u>Alexis Coulter</u>		Lead Consultant <u>CRA</u>		Composite <input checked="" type="checkbox"/>		Soil <input checked="" type="checkbox"/>		Water <input type="checkbox"/>														Oil <input type="checkbox"/>		Air <input type="checkbox"/>		Total Lead		Method		Dissolved Lead		Method		Remarks									
Consultant/Office <u>Emeryville, CA</u>				Grab <input type="checkbox"/>		Soil <input type="checkbox"/>		Water <input type="checkbox"/>														Oil <input type="checkbox"/>		Air <input type="checkbox"/>		Total Lead		Method		Dissolved Lead		Method		<p>email results to: <u>NLEE@CRAWORLD.COM</u></p>									
Consultant Project Mgr. <u>Nathan Lee</u>				Soil <input type="checkbox"/>		Water <input type="checkbox"/>		Oil <input type="checkbox"/>														Air <input type="checkbox"/>		Total Lead		Method		Dissolved Lead		Method													
Consultant Phone # <u>(925) 849-1003</u>				Soil <input type="checkbox"/>		Water <input type="checkbox"/>		Oil <input type="checkbox"/>														Air <input type="checkbox"/>		Total Lead		Method		Dissolved Lead		Method													
Sampler <u>O. JAN / A. BEERLINGS</u>				Soil <input type="checkbox"/>		Water <input type="checkbox"/>		Oil <input type="checkbox"/>														Air <input type="checkbox"/>		Total Lead		Method		Dissolved Lead		Method													
Sample Identification				Soil Depth		Collected Date		Time														Grab		Composite		Soil		Water		Oil		Air											
B6 @ 10'		10		02/06/15		1045		X														X		↓		↓		↓		↓		↓											
B6 @ 15'		15		↓		1050		↓		↓		↓		↓		↓		↓		↓																							
B6 @ 20'		20		↓		1055		↓		↓		↓		↓		↓		↓		↓																							
B6 @ 25'		25		↓		1105		↓		↓		↓		↓		↓		↓		↓																							
B6 @ 30'		30		↓		1120		↓		↓		↓		↓		↓		↓		↓																							
7 Turnaround Time Requested (TAT) (please circle)				Relinquished by <u>[Signature]</u>				Date <u>02/06/15</u>		Time <u>1435</u>		Received by <u>[Signature]</u>				Date <u>06-FEB-15</u>		Time <u>1515</u>																									
Standard <input checked="" type="radio"/> 5 day 72 hour <input type="radio"/> 48 hour <input type="radio"/> 24 day				Relinquished by <u>[Signature]</u>				Date <u>2/6/15</u>		Time <u>1600</u>		Received by <u>FE</u>				Date		Time																									
8 Data Package (circle if required)				Relinquished by				Date		Time		Received by				Date		Time																									
Type I - Full <input type="checkbox"/> Type VI (Raw Data) <input type="checkbox"/>				Relinquished by Commercial Carrier				Date		Time		Received by <u>[Signature]</u>				Date <u>2/10/15</u>		Time <u>930</u>																									
EDD (circle if required)				UPS <input type="checkbox"/> FedEx <input checked="" type="checkbox"/> Other <input type="checkbox"/>				Date		Time		Custody Seals Intact?				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																											
EDFFLAT (default) Other: _____				Temperature Upon Receipt <u>0.6-5.0c</u>				Date		Time		Custody Seals Intact?				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																											

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m3	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter
<	less than		
>	greater than		
ppm	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.		
ppb	parts per billion		
Dry weight basis	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, ISO17025) 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.

3/5/2015

Mr. Oliver Yan
Conestoga-Rovers Associates (CRA)
5900 Hollis Street
Suite A
Emeryville CA 94608

Project Name: Chevron 90076
Project #: 311977
Workorder #: 1502326A

Dear Mr. Oliver Yan

The following report includes the data for the above referenced project for sample(s) received on 2/20/2015 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 Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact 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 #: 1502326A

Work Order Summary

CLIENT:	Mr. Oliver Yan Conestoga-Rovers Associates (CRA) 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. #	Q1407222.59122
FAX:	510-420-9170	PROJECT #	311977 Chevron 90076
DATE RECEIVED:	02/20/2015	CONTACT:	Kyle Vagadori
DATE COMPLETED:	03/05/2015		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	VP-1	TO-15	3.9 "Hg	14.8 psi
02A	VP-3	TO-15	4.7 "Hg	15.1 psi
03A	VP-4	TO-15	4.1 "Hg	14.8 psi
04A	VP-5	TO-15	4.3 "Hg	15 psi
05A	VP-6	TO-15	2.4 "Hg	14.9 psi
06A	DUP	TO-15	4.3 "Hg	14.7 psi
07A	Lab Blank	TO-15	NA	NA
08A	CCV	TO-15	NA	NA
09A	LCS	TO-15	NA	NA
09AA	LCSD	TO-15	NA	NA

CERTIFIED BY: 

 Technical Director

DATE: 03/05/15

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
Conestoga-Rovers Associates (CRA)
Workorder# 1502326A

Six 1 Liter Summa Canister (100% Certified) samples were received on February 20, 2015. 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

The Chain of Custody (COC) information for sample VP-1 did not match the information on the canister with regard to canister identification. The client was notified of the discrepancy and the information on the canister was used to process and report the sample.

Analytical Notes

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.

Dilution was performed on sample VP-6 due to the presence of high level non-target species.

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

Lab ID#: 1502326A-01A

No Detections Were Found.

Client Sample ID: VP-3

Lab ID#: 1502326A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
m,p-Xylene	1.2	1.8	5.2	8.0
o-Xylene	1.2	1.3	5.2	5.7

Client Sample ID: VP-4

Lab ID#: 1502326A-03A

No Detections Were Found.

Client Sample ID: VP-5

Lab ID#: 1502326A-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methyl tert-butyl ether	1.2	420	4.2	1500
Benzene	1.2	69	3.8	220
Toluene	1.2	36	4.4	130
Ethyl Benzene	1.2	3.7	5.1	16
m,p-Xylene	1.2	9.5	5.1	41
o-Xylene	1.2	3.9	5.1	17
TPH ref. to Gasoline (MW=100)	120	5700	480	23000

Client Sample ID: VP-6

Lab ID#: 1502326A-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	5.4	29	17	92
Toluene	5.4	40	20	150
Ethyl Benzene	5.4	14	24	61
m,p-Xylene	5.4	39	24	170
o-Xylene	5.4	20	24	86

**Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN**

Client Sample ID: VP-6

Lab ID#: 1502326A-05A

TPH ref. to Gasoline (MW=100)	540	15000	2200	62000
-------------------------------	-----	-------	------	-------

Client Sample ID: DUP

Lab ID#: 1502326A-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methyl tert-butyl ether	1.2	420	4.2	1500
Benzene	1.2	68	3.7	220
Toluene	1.2	35	4.4	130
Ethyl Benzene	1.2	3.7	5.0	16
m,p-Xylene	1.2	9.6	5.0	42
o-Xylene	1.2	3.7	5.0	16
TPH ref. to Gasoline (MW=100)	120	6200	480	25000



Air Toxics

Client Sample ID: VP-1

Lab ID#: 1502326A-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3022609	Date of Collection:	2/17/15 11:52:00 AM
Dil. Factor:	2.31	Date of Analysis:	2/26/15 12:37 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methyl tert-butyl ether	1.2	Not Detected	4.2	Not Detected
Benzene	1.2	Not Detected	3.7	Not Detected
Toluene	1.2	Not Detected	4.4	Not Detected
Ethyl Benzene	1.2	Not Detected	5.0	Not Detected
m,p-Xylene	1.2	Not Detected	5.0	Not Detected
o-Xylene	1.2	Not Detected	5.0	Not Detected
Naphthalene	4.6	Not Detected	24	Not Detected
TPH ref. to Gasoline (MW=100)	120	Not Detected	470	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	108	70-130



Air Toxics

Client Sample ID: VP-3

Lab ID#: 1502326A-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3022610	Date of Collection:	2/17/15 1:33:00 PM
Dil. Factor:	2.40	Date of Analysis:	2/26/15 01:03 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methyl tert-butyl ether	1.2	Not Detected	4.3	Not Detected
Benzene	1.2	Not Detected	3.8	Not Detected
Toluene	1.2	Not Detected	4.5	Not Detected
Ethyl Benzene	1.2	Not Detected	5.2	Not Detected
m,p-Xylene	1.2	1.8	5.2	8.0
o-Xylene	1.2	1.3	5.2	5.7
Naphthalene	4.8	Not Detected	25	Not Detected
TPH ref. to Gasoline (MW=100)	120	Not Detected	490	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	112	70-130



Air Toxics

Client Sample ID: VP-4

Lab ID#: 1502326A-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3022611	Date of Collection:	2/17/15 12:05:00 PM
Dil. Factor:	2.32	Date of Analysis:	2/26/15 01:29 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methyl tert-butyl ether	1.2	Not Detected	4.2	Not Detected
Benzene	1.2	Not Detected	3.7	Not Detected
Toluene	1.2	Not Detected	4.4	Not Detected
Ethyl Benzene	1.2	Not Detected	5.0	Not Detected
m,p-Xylene	1.2	Not Detected	5.0	Not Detected
o-Xylene	1.2	Not Detected	5.0	Not Detected
Naphthalene	4.6	Not Detected	24	Not Detected
TPH ref. to Gasoline (MW=100)	120	Not Detected	470	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	108	70-130

Client Sample ID: VP-5

Lab ID#: 1502326A-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3022613	Date of Collection:	2/17/15 2:13:00 PM
Dil. Factor:	2.36	Date of Analysis:	2/26/15 02:22 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methyl tert-butyl ether	1.2	420	4.2	1500
Benzene	1.2	69	3.8	220
Toluene	1.2	36	4.4	130
Ethyl Benzene	1.2	3.7	5.1	16
m,p-Xylene	1.2	9.5	5.1	41
o-Xylene	1.2	3.9	5.1	17
Naphthalene	4.7	Not Detected	25	Not Detected
TPH ref. to Gasoline (MW=100)	120	5700	480	23000

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	118	70-130
4-Bromofluorobenzene	107	70-130



Air Toxics

Client Sample ID: VP-6

Lab ID#: 1502326A-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3022614	Date of Collection:	2/17/15 3:16:00 PM
Dil. Factor:	10.9	Date of Analysis:	2/26/15 02:47 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methyl tert-butyl ether	5.4	Not Detected	20	Not Detected
Benzene	5.4	29	17	92
Toluene	5.4	40	20	150
Ethyl Benzene	5.4	14	24	61
m,p-Xylene	5.4	39	24	170
o-Xylene	5.4	20	24	86
Naphthalene	22	Not Detected	110	Not Detected
TPH ref. to Gasoline (MW=100)	540	15000	2200	62000

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	106	70-130



Client Sample ID: DUP

Lab ID#: 1502326A-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3022612	Date of Collection:	2/17/15
Dil. Factor:	2.33	Date of Analysis:	2/26/15 01:56 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methyl tert-butyl ether	1.2	420	4.2	1500
Benzene	1.2	68	3.7	220
Toluene	1.2	35	4.4	130
Ethyl Benzene	1.2	3.7	5.0	16
m,p-Xylene	1.2	9.6	5.0	42
o-Xylene	1.2	3.7	5.0	16
Naphthalene	4.7	Not Detected	24	Not Detected
TPH ref. to Gasoline (MW=100)	120	6200	480	25000

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	122	70-130
4-Bromofluorobenzene	107	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1502326A-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3022606	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	2/26/15 10:28 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Naphthalene	2.0	Not Detected	10	Not Detected
TPH ref. to Gasoline (MW=100)	50	Not Detected	200	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	106	70-130

Client Sample ID: CCV

Lab ID#: 1502326A-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3022603	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/26/15 08:53 AM

Compound	%Recovery
Methyl tert-butyl ether	102
Benzene	93
Toluene	93
Ethyl Benzene	99
m,p-Xylene	102
o-Xylene	100
Naphthalene	110
TPH ref. to Gasoline (MW=100)	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	107	70-130



Air Toxics

Client Sample ID: LCS

Lab ID#: 1502326A-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3022604	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/26/15 09:18 AM

Compound	%Recovery	Method Limits
Methyl tert-butyl ether	92	70-130
Benzene	92	70-130
Toluene	93	70-130
Ethyl Benzene	96	70-130
m,p-Xylene	99	70-130
o-Xylene	100	70-130
Naphthalene	121	70-130
TPH ref. to Gasoline (MW=100)	Not Spiked	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	105	70-130

Client Sample ID: LCSD

Lab ID#: 1502326A-09AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3022605	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/26/15 09:42 AM

Compound	%Recovery	Method Limits
Methyl tert-butyl ether	95	70-130
Benzene	92	70-130
Toluene	94	70-130
Ethyl Benzene	96	70-130
m,p-Xylene	99	70-130
o-Xylene	101	70-130
Naphthalene	127	70-130
TPH ref. to Gasoline (MW=100)	Not Spiked	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	106	70-130

3/5/2015

Mr. Oliver Yan
Conestoga-Rovers Associates (CRA)
5900 Hollis Street
Suite A
Emeryville CA 94608

Project Name: Chevron 90076

Project #: 311977

Workorder #: 1502326B

Dear Mr. Oliver Yan

The following report includes the data for the above referenced project for sample(s) received on 2/20/2015 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 Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact 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 #: 1502326B

Work Order Summary

CLIENT:	Mr. Oliver Yan Conestoga-Rovers Associates (CRA) 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. #	Q1407222.59122
FAX:	510-420-9170	PROJECT #	311977 Chevron 90076
DATE RECEIVED:	02/20/2015	CONTACT:	Kyle Vagadori
DATE COMPLETED:	03/05/2015		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	VP-1	Modified TO-15 APH	3.9 "Hg	14.8 psi
01B	VP-1	Modified TO-15 APH	3.9 "Hg	14.8 psi
02A	VP-3	Modified TO-15 APH	4.7 "Hg	15.1 psi
02B	VP-3	Modified TO-15 APH	4.7 "Hg	15.1 psi
03A	VP-4	Modified TO-15 APH	4.1 "Hg	14.8 psi
03B	VP-4	Modified TO-15 APH	4.1 "Hg	14.8 psi
04A	VP-5	Modified TO-15 APH	4.3 "Hg	15 psi
04B	VP-5	Modified TO-15 APH	4.3 "Hg	15 psi
05A	VP-6	Modified TO-15 APH	2.4 "Hg	14.9 psi
05B	VP-6	Modified TO-15 APH	2.4 "Hg	14.9 psi
06A	DUP	Modified TO-15 APH	4.3 "Hg	14.7 psi
06B	DUP	Modified TO-15 APH	4.3 "Hg	14.7 psi
07A	Lab Blank	Modified TO-15 APH	NA	NA
07B	Lab Blank	Modified TO-15 APH	NA	NA
08A	CCV	Modified TO-15 APH	NA	NA
08B	CCV	Modified TO-15 APH	NA	NA

CERTIFIED BY: 

 Technical Director

DATE: 03/05/15

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
Conestoga-Rovers Associates (CRA)
Workorder# 1502326B

Six 1 Liter Summa Canister (100% Certified) samples were received on February 20, 2015. 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

The Chain of Custody (COC) information for sample VP-1 did not match the information on the canister with regard to canister identification. The client was notified of the discrepancy and the information on the canister was used to process and report the sample.

Analytical Notes

Dilution was performed on sample VP-6 due to matrix interference.

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page.

The C6-C8 Aliphatic Hydrocarbon result in samples VP-5 and 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

Lab ID#: 1502326B-01A

No Detections Were Found.

Client Sample ID: VP-1

Lab ID#: 1502326B-01B

No Detections Were Found.

Client Sample ID: VP-3

Lab ID#: 1502326B-02A

No Detections Were Found.

Client Sample ID: VP-3

Lab ID#: 1502326B-02B

No Detections Were Found.

Client Sample ID: VP-4

Lab ID#: 1502326B-03A

No Detections Were Found.

Client Sample ID: VP-4

Lab ID#: 1502326B-03B

No Detections Were Found.

Client Sample ID: VP-5

Lab ID#: 1502326B-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	24	2400	76	7600
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	24	2700	97	11000
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	24	170	140	1000
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	24	33	160	230

Summary of Detected Compounds MODIFIED METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VP-5

Lab ID#: 1502326B-04B

No Detections Were Found.

Client Sample ID: VP-6

Lab ID#: 1502326B-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	110	7300	350	24000
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	110	2400	450	10000
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	110	500	630	2900

Client Sample ID: VP-6

Lab ID#: 1502326B-05B

No Detections Were Found.

Client Sample ID: DUP

Lab ID#: 1502326B-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	23	2400	75	7600
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	23	2600	95	11000
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	23	160	140	940
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	23	25	160	170

Client Sample ID: DUP

Lab ID#: 1502326B-06B

No Detections Were Found.



Air Toxics

Client Sample ID: VP-1

Lab ID#: 1502326B-01A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	3022609a	Date of Collection:	2/17/15 11:52:00 AM	
Dil. Factor:	2.31	Date of Analysis:	2/26/15 12:37 PM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	23	Not Detected	75	Not Detected
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	23	Not Detected	95	Not Detected
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	23	Not Detected	130	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	23	Not Detected	160	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



Air Toxics

Client Sample ID: VP-1

Lab ID#: 1502326B-01B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	3022609c	Date of Collection:	2/17/15 11:52:00 AM	
Dil. Factor:	2.31	Date of Analysis:	2/26/15 12:37 PM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons	23	Not Detected	110	Not Detected
>C10-C12 Aromatic Hydrocarbons	23	Not Detected	130	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



Air Toxics

Client Sample ID: VP-3

Lab ID#: 1502326B-02A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	3022610a	Date of Collection:	2/17/15 1:33:00 PM	
Dil. Factor:	2.40	Date of Analysis:	2/26/15 01:03 PM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	24	Not Detected	78	Not Detected
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	24	Not Detected	98	Not Detected
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	24	Not Detected	140	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	24	Not Detected	170	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



Air Toxics

Client Sample ID: VP-3

Lab ID#: 1502326B-02B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	3022610c	Date of Collection:	2/17/15 1:33:00 PM	
Dil. Factor:	2.40	Date of Analysis:	2/26/15 01:03 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-4

Lab ID#: 1502326B-03A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	3022611a	Date of Collection:	2/17/15 12:05:00 PM	
Dil. Factor:	2.32	Date of Analysis:	2/26/15 01:29 PM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	23	Not Detected	75	Not Detected
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	23	Not Detected	95	Not Detected
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	23	Not Detected	140	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	23	Not Detected	160	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



Air Toxics

Client Sample ID: VP-4

Lab ID#: 1502326B-03B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	3022611c	Date of Collection:	2/17/15 12:05:00 PM	
Dil. Factor:	2.32	Date of Analysis:	2/26/15 01:29 PM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons	23	Not Detected	110	Not Detected
>C10-C12 Aromatic Hydrocarbons	23	Not Detected	130	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



Air Toxics

Client Sample ID: VP-5

Lab ID#: 1502326B-04A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	3022613a	Date of Collection:	2/17/15 2:13:00 PM	
Dil. Factor:	2.36	Date of Analysis:	2/26/15 02:22 PM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	24	2400	76	7600
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	24	2700	97	11000
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	24	170	140	1000
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	24	33	160	230

Container Type: 1 Liter Summa Canister (100% Certified)



Air Toxics

Client Sample ID: VP-5

Lab ID#: 1502326B-04B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	3022613c	Date of Collection:	2/17/15 2:13:00 PM	
Dil. Factor:	2.36	Date of Analysis:	2/26/15 02:22 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-6

Lab ID#: 1502326B-05A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	3022614a	Date of Collection:	2/17/15 3:16:00 PM	
Dil. Factor:	10.9	Date of Analysis:	2/26/15 02:47 PM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	110	7300	350	24000
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	110	2400	450	10000
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	110	500	630	2900
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	110	Not Detected	760	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



Air Toxics

Client Sample ID: VP-6

Lab ID#: 1502326B-05B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	3022614c	Date of Collection:	2/17/15 3:16:00 PM	
Dil. Factor:	10.9	Date of Analysis:	2/26/15 02:47 PM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons	110	Not Detected	540	Not Detected
>C10-C12 Aromatic Hydrocarbons	110	Not Detected	600	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



Air Toxics

Client Sample ID: DUP

Lab ID#: 1502326B-06A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	3022612a	Date of Collection:	2/17/15
Dil. Factor:	2.33	Date of Analysis:	2/26/15 01:56 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	23	2400	75	7600
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	23	2600	95	11000
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	23	160	140	940
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	23	25	160	170

Container Type: 1 Liter Summa Canister (100% Certified)



Air Toxics

Client Sample ID: DUP

Lab ID#: 1502326B-06B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	3022612c	Date of Collection:	2/17/15	
Dil. Factor:	2.33	Date of Analysis:	2/26/15 01:56 PM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons	23	Not Detected	110	Not Detected
>C10-C12 Aromatic Hydrocarbons	23	Not Detected	130	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1502326B-07A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	3022606a	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	2/26/15 10:28 AM

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

Client Sample ID: Lab Blank

Lab ID#: 1502326B-07B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	3022606c	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/26/15 10:28 AM

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



Air Toxics

Client Sample ID: CCV

Lab ID#: 1502326B-08A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	3022602a	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/26/15 07:57 AM

Compound	%Recovery
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	61 Q
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	77
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	88
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	99

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable



Air Toxics

Client Sample ID: CCV

Lab ID#: 1502326B-08B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	3022602c	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/26/15 07:57 AM

Compound	%Recovery
>C8-C10 Aromatic Hydrocarbons	103
>C10-C12 Aromatic Hydrocarbons	116

Container Type: NA - Not Applicable

3/3/2015

Mr. Oliver Yan

Conestoga-Rovers Associates (CRA)

5900 Hollis Street

Suite A

Emeryville CA 94608

Project Name: Chevron 90076

Project #: 311977

Workorder #: 1502300A

Dear Mr. Oliver Yan

The following report includes the data for the above referenced project for sample(s) received on 2/19/2015 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 Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact 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 #: 1502300A

Work Order Summary

CLIENT:	Mr. Oliver Yan Conestoga-Rovers Associates (CRA) 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. #	Q140722259R2
FAX:	510-420-9170	PROJECT #	311977 Chevron 90076
DATE RECEIVED:	02/19/2015	CONTACT:	Kyle Vagadori
DATE COMPLETED:	03/03/2015		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
01A	VP-1	Modified TO-17 VI
03A	VP-3	Modified TO-17 VI
04A	VP-4	Modified TO-17 VI
05A	VP-5	Modified TO-17 VI
06A	VP-6	Modified TO-17 VI
07A	Lab Blank	Modified TO-17 VI
08A	CCV	Modified TO-17 VI
09A	LCS	Modified TO-17 VI
09AA	LCSD	Modified TO-17 VI

CERTIFIED BY: 
 Technical Director

DATE: 03/03/15

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)
Conestoga-Rovers Associates (CRA)
Workorder# 1502300A

Five TO-17 VI Tube samples were received on February 19, 2015. 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$\leq 30\%$ with 2 allowed out up to 40%	VOC list: %RSD$\leq 30\%$ with 2 allowed out up to 40% SVOC list: %RSD$\leq 30\%$ 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	$\leq 20\%$ RPD	<math>< 30\%</math> RPD for Fluorene, Phenanthrene, Anthracene, Fluoranthene, and Pyrene.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

A sampling volume of 0.240 L was used to convert ng to ug/m3 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

Lab ID#: 1502300A-01A

No Detections Were Found.

Client Sample ID: VP-3

Lab ID#: 1502300A-03A

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	1.0	4.2	1.1	4.5

Client Sample ID: VP-4

Lab ID#: 1502300A-04A

No Detections Were Found.

Client Sample ID: VP-5

Lab ID#: 1502300A-05A

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	1.0	4.2	2.4	10

Client Sample ID: VP-6

Lab ID#: 1502300A-06A

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	1.0	4.2	1.0	4.3



Air Toxics

Client Sample ID: VP-1

Lab ID#: 1502300A-01A

EPA METHOD TO-17

File Name:	18022417	Date of Extraction: NA	Date of Collection: 2/17/15 10:49:00 AM
Dil. Factor:	1.00	Date of Analysis: 2/24/15 06:08 PM	

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	1.0	4.2	Not Detected	Not Detected

Air Sample Volume(L): 0.240
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	59	50-150



Air Toxics

Client Sample ID: VP-3

Lab ID#: 1502300A-03A

EPA METHOD TO-17

File Name:	18022418	Date of Extraction: NA	Date of Collection: 2/17/15 11:28:00 AM
Dil. Factor:	1.00	Date of Analysis: 2/24/15 06:50 PM	

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	1.0	4.2	1.1	4.5

Air Sample Volume(L): 0.240
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	66	50-150



Air Toxics

Client Sample ID: VP-4

Lab ID#: 1502300A-04A

EPA METHOD TO-17

File Name:	18022419	Date of Extraction: NA	Date of Collection: 2/17/15 11:02:00 AM
Dil. Factor:	1.00	Date of Analysis: 2/24/15 07:32 PM	

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	1.0	4.2	Not Detected	Not Detected

Air Sample Volume(L): 0.240
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	65	50-150



Air Toxics

Client Sample ID: VP-5

Lab ID#: 1502300A-05A

EPA METHOD TO-17

File Name:	18022420	Date of Extraction: NA	Date of Collection: 2/17/15 2:42:00 PM
Dil. Factor:	1.00	Date of Analysis: 2/24/15 08:13 PM	

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	1.0	4.2	2.4	10

Air Sample Volume(L): 0.240
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	71	50-150

Client Sample ID: VP-6

Lab ID#: 1502300A-06A

EPA METHOD TO-17

File Name:	18022421	Date of Extraction: NA	Date of Collection: 2/17/15 3:36:00 PM
Dil. Factor:	1.00	Date of Analysis: 2/24/15 08:54 PM	

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	1.0	4.2	1.0	4.3

Air Sample Volume(L): 0.240
 Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	64	50-150



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1502300A-07A

EPA METHOD TO-17

File Name:	18022408	Date of Extraction: NA	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/24/15 11:05 AM	

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	1.0	4.2	Not Detected	Not Detected

Air Sample Volume(L): 0.240
Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Naphthalene-d8	88	50-150



Air Toxics

Client Sample ID: CCV

Lab ID#: 1502300A-08A

EPA METHOD TO-17

File Name:	18022403a	Date of Extraction: NA	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/24/15 04:31 AM	

Compound	%Recovery
Naphthalene	91

Air Sample Volume(L): 1.00
Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Naphthalene-d8	75	50-150



Air Toxics

Client Sample ID: LCS

Lab ID#: 1502300A-09A

EPA METHOD TO-17

File Name:	18022405a	Date of Extraction: NA	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/24/15 05:53 AM	

Compound	%Recovery	Method Limits
Naphthalene	80	70-130

Air Sample Volume(L): 1.00
Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Naphthalene-d8	58	50-150



Air Toxics

Client Sample ID: LCSD

Lab ID#: 1502300A-09AA

EPA METHOD TO-17

File Name:	18022404a	Date of Extraction: NA	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/24/15 05:12 AM	

Compound	%Recovery	Method Limits
Naphthalene	83	70-130

Air Sample Volume(L): 1.00
Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Naphthalene-d8	60	50-150

3/5/2015

Mr. Oliver Yan
Conestoga-Rovers Associates (CRA)
5900 Hollis Street
Suite A
Emeryville CA 94608

Project Name: Chevron 90076

Project #: 311977

Workorder #: 1502326C

Dear Mr. Oliver Yan

The following report includes the data for the above referenced project for sample(s) received on 2/20/2015 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 Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact 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 #: 1502326C

Work Order Summary

CLIENT:	Mr. Oliver Yan Conestoga-Rovers Associates (CRA) 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. #	Q1407222.59122
FAX:	510-420-9170	PROJECT #	311977 Chevron 90076
DATE RECEIVED:	02/20/2015	CONTACT:	Kyle Vagadori
DATE COMPLETED:	03/05/2015		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	VP-1	Modified ASTM D-1946	3.9 "Hg	14.8 psi
02A	VP-3	Modified ASTM D-1946	4.7 "Hg	15.1 psi
03A	VP-4	Modified ASTM D-1946	4.1 "Hg	14.8 psi
04A	VP-5	Modified ASTM D-1946	4.3 "Hg	15 psi
05A	VP-6	Modified ASTM D-1946	2.4 "Hg	14.9 psi
06A	DUP	Modified ASTM D-1946	4.3 "Hg	14.7 psi
07A	Lab Blank	Modified ASTM D-1946	NA	NA
07B	Lab Blank	Modified ASTM D-1946	NA	NA
08A	LCS	Modified ASTM D-1946	NA	NA
08AA	LCSD	Modified ASTM D-1946	NA	NA

CERTIFIED BY: 

 Technical Director

DATE: 03/05/15

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
Conestoga-Rovers Associates (CRA)
Workorder# 1502326C

Six 1 Liter Summa Canister (100% Certified) samples were received on February 20, 2015. 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

The Chain of Custody (COC) information for sample VP-1 did not match the information on the canister with regard to canister identification. The client was notified of the discrepancy and the information on the canister was used to process and report the sample.

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

Lab ID#: 1502326C-01A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	10
Nitrogen	0.23	83
Carbon Dioxide	0.023	7.2

Client Sample ID: VP-3

Lab ID#: 1502326C-02A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	5.5
Nitrogen	0.24	85
Carbon Dioxide	0.024	9.5

Client Sample ID: VP-4

Lab ID#: 1502326C-03A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	4.3
Nitrogen	0.23	88
Carbon Dioxide	0.023	7.4

Client Sample ID: VP-5

Lab ID#: 1502326C-04A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	2.5
Nitrogen	0.24	78
Carbon Dioxide	0.024	12
Methane	0.00024	7.9

Client Sample ID: VP-6

Lab ID#: 1502326C-05A

Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: VP-6

Lab ID#: 1502326C-05A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	6.1
Nitrogen	0.22	94
Carbon Dioxide	0.022	0.10
Methane	0.00022	0.0035

Client Sample ID: DUP

Lab ID#: 1502326C-06A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	2.4
Nitrogen	0.23	77
Carbon Dioxide	0.023	12
Methane	0.00023	8.0
Helium	0.12	0.22



Air Toxics

Client Sample ID: VP-1

Lab ID#: 1502326C-01A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9022514	Date of Collection:	2/17/15 11:52:00 AM
Dil. Factor:	2.30	Date of Analysis:	2/25/15 04:44 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	10
Nitrogen	0.23	83
Carbon Dioxide	0.023	7.2
Methane	0.00023	Not Detected
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



Air Toxics

Client Sample ID: VP-3

Lab ID#: 1502326C-02A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9022515	Date of Collection:	2/17/15 1:33:00 PM
Dil. Factor:	2.40	Date of Analysis:	2/25/15 05:30 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	5.5
Nitrogen	0.24	85
Carbon Dioxide	0.024	9.5
Methane	0.00024	Not Detected
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



Air Toxics

Client Sample ID: VP-4

Lab ID#: 1502326C-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9022516	Date of Collection:	2/17/15 12:05:00 PM
Dil. Factor:	2.32	Date of Analysis:	2/25/15 06:02 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	4.3
Nitrogen	0.23	88
Carbon Dioxide	0.023	7.4
Methane	0.00023	Not Detected
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



Air Toxics

Client Sample ID: VP-5

Lab ID#: 1502326C-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9022517	Date of Collection:	2/17/15 2:13:00 PM
Dil. Factor:	2.36	Date of Analysis:	2/25/15 06:31 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	2.5
Nitrogen	0.24	78
Carbon Dioxide	0.024	12
Methane	0.00024	7.9
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



Air Toxics

Client Sample ID: VP-6

Lab ID#: 1502326C-05A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9022518	Date of Collection:	2/17/15 3:16:00 PM
Dil. Factor:	2.19	Date of Analysis:	2/25/15 06:52 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	6.1
Nitrogen	0.22	94
Carbon Dioxide	0.022	0.10
Methane	0.00022	0.0035
Helium	0.11	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



Air Toxics

Client Sample ID: DUP

Lab ID#: 1502326C-06A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9022519	Date of Collection:	2/17/15
Dil. Factor:	2.33	Date of Analysis:	2/25/15 07:24 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	2.4
Nitrogen	0.23	77
Carbon Dioxide	0.023	12
Methane	0.00023	8.0
Helium	0.12	0.22

Container Type: 1 Liter Summa Canister (100% Certified)



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1502326C-07A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9022505	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/25/15 10:56 AM

Compound	Rpt. Limit (%)	Amount (%)
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#: 1502326C-07B

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9022504b	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	2/25/15 10:22 AM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.050	Not Detected

Container Type: NA - Not Applicable



Air Toxics

Client Sample ID: LCS

Lab ID#: 1502326C-08A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9022502	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/25/15 09:26 AM

Compound	%Recovery	Method Limits
Oxygen	98	85-115
Nitrogen	93	85-115
Carbon Dioxide	102	85-115
Methane	98	85-115
Helium	102	85-115

Container Type: NA - Not Applicable



Air Toxics

Client Sample ID: LCSD

Lab ID#: 1502326C-08AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9022526	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/25/15 10:22 PM

Compound	%Recovery	Method Limits
Oxygen	97	85-115
Nitrogen	93	85-115
Carbon Dioxide	102	85-115
Methane	95	85-115
Helium	102	85-115

Container Type: NA - Not Applicable



Air Toxics

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) OLIVER YAN

Company Cowboys-Korns & Assoc. Email NLEE@CRAWORLD.COM

Address 5100 Hallis St, Ste 4 City Emeryville State CA Zip 94608

Phone (510) 420-0700 Fax (510) 420-9170

Project Info:

P.O. # Q14072225902

Project # 311977

Project Name Churn 90070

Turn Around Time:

Normal

Rush

Lab Use Only
Pressurized by:

Date:

Pressurization Gas:

Initial Final Receipt Final (gsl)

Canister Pressure/Vacuum

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum				
						Initial	Final	Receipt	Final (gsl)	
01A	VP-1	3650	2/17/15	1152	TPH/BTEX/MXEs/Naphthalene by TO-15; ogha/L6/foq/H6 by AOT 0-1440; AOT Toxics And AOT Enriches Aliphatics by TO-15 GC/MS Full Scan		-29	-5		
02A	VP-3	34588		1333			78	-5		
03A	VP-4	15724		1265			-30	-5		
04L	VP-5	15763		1418			-30	-5.5		
05A	VP-6	36533		1516			-30	-5		
06A	DUP	34661					-30	-5.5		

Relinquished by: (signature) [Signature] Date/Time 02/19/15 0902 Received by: (signature) [Signature] Date/Time 2-19-15 10:00 Notes: Small results to: nlee@CRAWORLD.COM

Relinquished by: (signature) [Signature] Date/Time 02/19/15 0902 Received by: (signature) [Signature] Date/Time 10:00 Notes: Small results to: kney@CRAWORLD.COM

Relinquished by: (signature) [Signature] Date/Time 02/19/15 0902 Received by: (signature) [Signature] Date/Time 10:00 Notes: Small results to: yan@CRAWORLD.COM

Shipper Name BAR Dopelfen Air Bill # 117 Temp (°C) 17 Condition Good Custody Seals Intact? Yes No None Work Order # 1502326

Lab Use Only

TO-17 SAMPLE COLLECTION



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**

Project Manager NATHAN LEE
 Collected by: (Print and Sign) OLIVER SAN
 Company CANESTOBA CONCRETE ASSOCIATES Email NLEE@CREAWORLD.COM
 Address 5900 HOLLIS ST, STE A City EMERYVILLE State CA Zip 94608
 Phone (510) 420-0700 Fax (916) 420-9170

Project Info:
 P.O. # Q140222259KZ
 Project # 31577
 Project Name Chevron 9007s

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 % RH	Indoor/Outdoor Temp	Indoor Air	Outdoor Air	Soil Vapor	Other
03A	VP-2 (HOD)	60135677	02/17/15	10:46	10:49	-	-	240ml	70	55°F	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
03A	VP-3	60147283	02/17/15	11:12	11:16	-	-	240ml	70	55°F	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
04A	VP-4	60145525	02/17/15	11:23	11:28	-	-	240ml	70	58°F	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
05A	VP-5	60139591	02/17/15	10:58	11:02	-	-	240ml	70	55°F	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
06A	VP-6	60135601	02/17/15	14:39	14:42	-	-	240ml	60	60°F	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				15:33	15:36	-	-	240ml	70	64°F	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
											<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
											<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
											<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
											<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Relinquished by: (signature) [Signature] Date/Time 02/17/15
 Date/Time 0900

Received by: (signature) [Signature] Date/Time 2-19-15
 Date/Time 1000

Relinquished by: (signature) _____ Date/Time _____

Received by: (signature) _____ Date/Time _____

Notes: (email) results to: -nlee@creaworld.com
-oliver@creaworld.com
 *ANALYZE ALL SAMPLES BY TO-17 FOR NAPHTHALENE
 DO NOT RUN VP-2; NOT NEEDED ANYMORE.

Lab Use Only: Shipper Name SARONOFF, BOB Air Bill # _____ Temp (°C) 24°C Condition Good Custody Seals Intact? Yes No None Work Order # 1502300

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

March 21, 2015

Project: 90076

Submittal Date: 03/12/2015
Group Number: 1544814
PO Number: 0015166637
Release Number: HORNE
State of Sample Origin: CA

<u>Client Sample Description</u>	<u>Lancaster Labs (LL) #</u>
C-1-W-150310 NA Water	7801970
C-2-W-150310 NA Water	7801971
C-3-W-150310 NA Water	7801972
C-4-W-150310 NA Water	7801973
C-5-W-150310 NA Water	7801974
C-6-W-150310 NA Water	7801975
C-8-W-150310 NA Water	7801976
C-10-W-150310 NA Water	7801977
C-11-W-150310 NA Water	7801978
QA-T-150310 NA Water	7801979

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	Chevron c/o CRA	Attn: Report Contact
ELECTRONIC COPY TO	Blaine Tech Services, Inc.	Attn: Dustin Becker
ELECTRONIC COPY TO	Chevron	Attn: Anna Avina
ELECTRONIC COPY TO	CRA	Attn: Nathan Lee

Respectfully Submitted,

A handwritten signature in black ink that reads "Amek Carter". The signature is written in a cursive style with a long horizontal stroke at the end of the name.

Amek Carter
Specialist

(717) 556-7252

Sample Description: C-1-W-150310 NA Water
Facility# 90076 BTST
4265 Foothill Blvd-Oakland T0600100339

LL Sample # WW 7801970
LL Group # 1544814
Account # 10991

Project Name: 90076

Collected: 03/10/2015 12:15 by JO

Chevron

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 03/12/2015 09:20

Reported: 03/21/2015 17:24

FBOC1

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B						
10945	Benzene	71-43-2	28	ug/l 0.5	ug/l 1	1
10945	Ethanol	64-17-5	N.D.	50	250	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	27	0.5	1	1
10945	Toluene	108-88-3	0.6 J	0.5	1	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1	1
GC Volatiles SW-846 8015B						
01728	TPH-GRO N. CA water C6-C12	n.a.	650	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/ETOH Water	SW-846 8260B	1	D150772AA	03/18/2015 13:57	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D150772AA	03/18/2015 13:57	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15077A20A	03/19/2015 13:04	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15077A20A	03/19/2015 13:04	Brett W Kenyon	1

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

Sample Description: C-2-W-150310 NA Water
Facility# 90076 BTST
4265 Foothill Blvd-Oakland T0600100339

LL Sample # WW 7801971
LL Group # 1544814
Account # 10991

Project Name: 90076

Collected: 03/10/2015 13:20 by JO

Chevron

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 03/12/2015 09:20

Reported: 03/21/2015 17:24

FBOC2

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/l	ug/l	ug/l	
10945	Benzene	71-43-2	480	5	10	10
10945	Ethanol	64-17-5	N.D.	500	2,500	10
10945	Ethylbenzene	100-41-4	120	5	10	10
10945	Methyl Tertiary Butyl Ether	1634-04-4	40	5	10	10
10945	Toluene	108-88-3	22	5	10	10
10945	Xylene (Total)	1330-20-7	120	5	10	10
GC Volatiles SW-846 8015B			ug/l	ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	14,000	1,000	2,000	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/ETOH Water	SW-846 8260B	1	D150792AA	03/20/2015 14:17	Daniel H Heller	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D150792AA	03/20/2015 14:17	Daniel H Heller	10
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15077A20A	03/19/2015 17:12	Brett W Kenyon	20
01146	GC VOA Water Prep	SW-846 5030B	1	15077A20A	03/19/2015 17:12	Brett W Kenyon	20

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

Sample Description: C-3-W-150310 NA Water
Facility# 90076 BTST
4265 Foothill Blvd-Oakland T0600100339

LL Sample # WW 7801972
LL Group # 1544814
Account # 10991

Project Name: 90076

Collected: 03/10/2015 12:00 by JO

Chevron

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 03/12/2015 09:20

Reported: 03/21/2015 17:24

FBOC3

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B						
10945	Benzene	71-43-2	N.D.	ug/l 0.5	ug/l 1	1
10945	Ethanol	64-17-5	N.D.	50	250	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	54	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
GC Volatiles SW-846 8015B						
01728	TPH-GRO N. CA water C6-C12	n.a.	76 J	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/ETOH Water	SW-846 8260B	1	D150792AA	03/20/2015 13:09	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D150792AA	03/20/2015 13:09	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15077A20A	03/19/2015 13:31	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15077A20A	03/19/2015 13:31	Brett W Kenyon	1

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

Sample Description: C-4-W-150310 NA Water
Facility# 90076 BTST
4265 Foothill Blvd-Oakland T0600100339

LL Sample # WW 7801973
LL Group # 1544814
Account # 10991

Project Name: 90076

Collected: 03/10/2015 13:00 by JO

Chevron

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 03/12/2015 09:20

Reported: 03/21/2015 17:24

FBOC4

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/l	ug/l	ug/l	
10945	Benzene	71-43-2	1,400	10	20	20
10945	Ethanol	64-17-5	N.D.	1,000	5,000	20
10945	Ethylbenzene	100-41-4	99	10	20	20
10945	Methyl Tertiary Butyl Ether	1634-04-4	13 J	10	20	20
10945	Toluene	108-88-3	30	10	20	20
10945	Xylene (Total)	1330-20-7	50	10	20	20
GC Volatiles SW-846 8015B			ug/l	ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	8,800	1,300	2,500	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
10945	BTEX/MTBE/ETOH Water	SW-846 8260B	1	D150792AA	03/20/2015 14:41	Daniel H Heller	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D150792AA	03/20/2015 14:41	Daniel H Heller	20
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15077A20A	03/19/2015 17:39	Brett W Kenyon	25
01146	GC VOA Water Prep	SW-846 5030B	1	15077A20A	03/19/2015 17:39	Brett W Kenyon	25

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

Sample Description: C-5-W-150310 NA Water
Facility# 90076 BTST
4265 Foothill Blvd-Oakland T0600100339

LL Sample # WW 7801974
LL Group # 1544814
Account # 10991

Project Name: 90076

Collected: 03/10/2015 09:50 by JO

Chevron

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 03/12/2015 09:20

Reported: 03/21/2015 17:24

FBOC5

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/l	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1	1
10945	Ethanol	64-17-5	N.D.	50	250	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	9	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
GC Volatiles SW-846 8015B			ug/l	ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	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/ETOH Water	SW-846 8260B	1	D150792AA	03/20/2015 15:04	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D150792AA	03/20/2015 15:04	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15077A20A	03/19/2015 13:59	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15077A20A	03/19/2015 13:59	Brett W Kenyon	1

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

Sample Description: C-6-W-150310 NA Water
Facility# 90076 BTST
4265 Foothill Blvd-Oakland T0600100339

LL Sample # WW 7801975
LL Group # 1544814
Account # 10991

Project Name: 90076

Collected: 03/10/2015 12:30 by JO

Chevron

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 03/12/2015 09:20

Reported: 03/21/2015 17:24

FBOC6

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B						
10945	Benzene	71-43-2	N.D.	ug/l 0.5	ug/l 1	1
10945	Ethanol	64-17-5	N.D.	50	250	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
GC Volatiles SW-846 8015B						
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/ETOH Water	SW-846 8260B	1	D150792AA	03/20/2015 15:26	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D150792AA	03/20/2015 15:26	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15077A20A	03/19/2015 14:26	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15077A20A	03/19/2015 14:26	Brett W Kenyon	1

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

Sample Description: C-8-W-150310 NA Water
Facility# 90076 BTST
4265 Foothill Blvd-Oakland T0600100339

LL Sample # WW 7801976
LL Group # 1544814
Account # 10991

Project Name: 90076

Collected: 03/10/2015 11:00 by JO

Chevron

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 03/12/2015 09:20

Reported: 03/21/2015 17:24

FBOC8

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/l	ug/l	ug/l	
10945	Benzene	71-43-2	1	0.5	1	1
10945	Ethanol	64-17-5	N.D.	50	250	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
GC Volatiles SW-846 8015B			ug/l	ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	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/ETOH Water	SW-846 8260B	1	D150792AA	03/20/2015 15:49	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D150792AA	03/20/2015 15:49	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15077A20A	03/19/2015 14:54	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15077A20A	03/19/2015 14:54	Brett W Kenyon	1

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

Sample Description: C-10-W-150310 NA Water
Facility# 90076 BTST
4265 Foothill Blvd-Oakland T0600100339

LL Sample # WW 7801977
LL Group # 1544814
Account # 10991

Project Name: 90076

Collected: 03/10/2015 08:40 by JO

Chevron

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 03/12/2015 09:20

Reported: 03/21/2015 17:24

FBO10

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B						
10945	Benzene	71-43-2	N.D.	ug/l 0.5	ug/l 1	1
10945	Ethanol	64-17-5	N.D.	50	250	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	2	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
GC Volatiles SW-846 8015B						
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/ETOH Water	SW-846 8260B	1	Z150782AA	03/19/2015 08:33	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z150782AA	03/19/2015 08:33	Anita M Dale	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15077A20A	03/19/2015 15:21	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15077A20A	03/19/2015 15:21	Brett W Kenyon	1

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

Sample Description: C-11-W-150310 NA Water
Facility# 90076 BTST
4265 Foothill Blvd-Oakland T0600100339

LL Sample # WW 7801978
LL Group # 1544814
Account # 10991

Project Name: 90076

Collected: 03/10/2015 11:20 by JO

Chevron

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 03/12/2015 09:20

Reported: 03/21/2015 17:24

FBO11

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B						
10945	Benzene	71-43-2	56	ug/l 0.5	ug/l 1	1
10945	Ethanol	64-17-5	N.D.	50	250	1
10945	Ethylbenzene	100-41-4	1	0.5	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
10945	Toluene	108-88-3	1	0.5	1	1
10945	Xylene (Total)	1330-20-7	0.9 J	0.5	1	1
GC Volatiles SW-846 8015B						
01728	TPH-GRO N. CA water C6-C12	n.a.	310	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/ETOH Water	SW-846 8260B	1	D150792AA	03/20/2015 16:12	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D150792AA	03/20/2015 16:12	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15077A20A	03/19/2015 15:49	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15077A20A	03/19/2015 15:49	Brett W Kenyon	1

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

Sample Description: QA-T-150310 NA Water
Facility# 90076 BTST
4265 Foothill Blvd-Oakland T0600100339

LL Sample # WW 7801979
LL Group # 1544814
Account # 10991

Project Name: 90076

Collected: 03/10/2015 07:50

Chevron

Submitted: 03/12/2015 09:20

6001 Bollinger Canyon Rd L4310

Reported: 03/21/2015 17:24

San Ramon CA 94583

FBOQA

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B						
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
GC Volatiles SW-846 8015B						
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	D150791AA	03/20/2015 13:20	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D150791AA	03/20/2015 13:20	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15077A20A	03/19/2015 11:41	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15077A20A	03/19/2015 11:41	Brett W Kenyon	1

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

Quality Control Summary

Client Name: Chevron
Reported: 03/21/2015 17:24

Group Number: 1544814

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.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: D150772AA Sample number(s): 7801970									
Benzene	N.D.	0.5	1	ug/l	102		78-120		
Ethanol	N.D.	50.	250	ug/l	90		49-144		
Ethylbenzene	N.D.	0.5	1	ug/l	89		80-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	102		75-120		
Toluene	N.D.	0.5	1	ug/l	89		80-120		
Xylene (Total)	N.D.	0.5	1	ug/l	92		80-120		
Batch number: D150791AA Sample number(s): 7801979									
Benzene	N.D.	0.5	1	ug/l	81	87	78-120	7	30
Ethylbenzene	N.D.	0.5	1	ug/l	81	86	80-120	6	30
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	81	88	75-120	8	30
Toluene	N.D.	0.5	1	ug/l	80	86	80-120	8	30
Xylene (Total)	N.D.	0.5	1	ug/l	82	88	80-120	7	30
Batch number: D150792AA Sample number(s): 7801971-7801976,7801978									
Benzene	N.D.	0.5	1	ug/l	81		78-120		
Ethanol	N.D.	50.	250	ug/l	82		49-144		
Ethylbenzene	N.D.	0.5	1	ug/l	80		80-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	82		75-120		
Toluene	N.D.	0.5	1	ug/l	81		80-120		
Xylene (Total)	N.D.	0.5	1	ug/l	82		80-120		
Batch number: Z150782AA Sample number(s): 7801977									
Benzene	N.D.	0.5	1	ug/l	104		78-120		
Ethanol	N.D.	50.	250	ug/l	94		49-144		
Ethylbenzene	N.D.	0.5	1	ug/l	107		80-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	109		75-120		
Toluene	N.D.	0.5	1	ug/l	110		80-120		
Xylene (Total)	N.D.	0.5	1	ug/l	109		80-120		
Batch number: 15077A20A Sample number(s): 7801970-7801979									
TPH-GRO N. CA water C6-C12	N.D.	50.	100	ug/l	97	94	80-139	3	30

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
----------------------	----------------	-----------------	----------------------	------------	----------------	-----------------	-----------------	----------------	--------------------

*- 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.

Quality Control Summary

Client Name: Chevron
Reported: 03/21/2015 17:24

Group Number: 1544814

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>BKG</u> <u>MAX</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
Batch number: D150772AA	Sample number(s): 7801970 UNSPK: P802410							
Benzene	112	115	72-134	3	30			
Ethanol	82	86	53-146	5	30			
Ethylbenzene	94	97	71-134	3	30			
Methyl Tertiary Butyl Ether	105	107	72-126	3	30			
Toluene	94	98	80-125	4	30			
Xylene (Total)	97	99	79-125	3	30			
Batch number: D150792AA	Sample number(s): 7801971-7801976,7801978 UNSPK: 7801972							
Benzene	97	99	72-134	3	30			
Ethanol	96	96	53-146	1	30			
Ethylbenzene	97	101	71-134	4	30			
Methyl Tertiary Butyl Ether	97	163*	72-126	17	30			
Toluene	98	101	80-125	3	30			
Xylene (Total)	97	101	79-125	4	30			
Batch number: Z150782AA	Sample number(s): 7801977 UNSPK: 7801977							
Benzene	110	108	72-134	2	30			
Ethanol	93	94	53-146	2	30			
Ethylbenzene	113	112	71-134	1	30			
Methyl Tertiary Butyl Ether	108	107	72-126	1	30			
Toluene	115	113	80-125	2	30			
Xylene (Total)	115	113	79-125	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: BTEX/MTBE/ETOH Water
Batch number: D150772AA

	D	12-D	- 4	T	- 8	4-B
7801970	106	99		91		105
Blank	107	102		92		99
LCS	105	103		92		102
MS	107	103		90		103
MSD	107	102		91		102
Limits:	80-116	77-113		80-113		78-113

Analysis Name: BTEX/MTBE
Batch number: D150791AA

	D	12-D	- 4	T	- 8	4-B
7801979	103	103		101		98
Blank	103	101		100		100
LCS	101	103		99		101
LCSD	100	102		99		102
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.

Quality Control Summary

Client Name: Chevron
Reported: 03/21/2015 17:24

Group Number: 1544814

Surrogate Quality Control

Analysis Name: BTEX/MTBE/ETOH Water
Batch number: D150792AA

	D	12-D	- 4	T	- 8	4-B
7801971	101	95		100		103
7801972	101	99		100		97
7801973	102	97		101		99
7801974	101	98		100		96
7801975	103	98		99		98
7801976	104	97		98		98
7801978	102	97		100		99
Blank	102	99		99		97
LCS	101	99		99		101
MS	100	98		98		99
MSD	103	99		101		101
Limits:	80-116	77-113		80-113		78-113

Analysis Name: BTEX/MTBE/ETOH Water
Batch number: Z150782AA

	D	12-D	- 4	T	- 8	4-B
7801977	103	99		100		98
Blank	103	96		101		98
LCS	102	99		100		102
MS	102	101		101		102
MSD	101	100		100		102
Limits:	80-116	77-113		80-113		78-113

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 15077A20A

	T	-F
7801970	99	
7801971	95	
7801972	81	
7801973	89	
7801974	85	
7801975	87	
7801976	86	
7801977	89	
7801978	87	
7801979	86	
Blank	87	
LCS	95	
LCSD	96	
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.

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ■ 6111 Bollinger Canyon Rd. ■ San Ramon, CA 94583 COC 1 of 1

Chevron Site Number: 90076

Chevron Site Global ID: T0600100339

Chevron Site Address: 4265 Foothill Blvd., Oakland, CA

Chevron PM: Alexis Coulter

Chevron PM Phone No.: (925)790-6441

Retail and Terminal Business Unit (RTBU) Job
 Construction/Retail Job

Chevron Consultant: CRA

Address: 2300 Clayton Rd., Suite 920, Concord, CA

Consultant Contact: Nathan Lee

Consultant Phone No. 925-849-1003

Consultant Project No. 1503050

Sampling Company: Blaine Tech Services

Sampled By (Print): J. Ortiz

Sampler Signature: [Signature]

ANALYSES REQUIRED													
H	H									H			Preservation Codes
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H = HCL T= Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other 10991 1544814 7801970-79
<input type="checkbox"/> EPA 8260B/GC/MS <input type="checkbox"/> EPA 815B GRO <input checked="" type="checkbox"/> GRO <input type="checkbox"/> GRO <input type="checkbox"/> EPA 8021B BTEX <input type="checkbox"/> MTBE <input type="checkbox"/> MTBE <input type="checkbox"/> EPA 6010 Ca, Fe, K, Mg, Mn, Na <input type="checkbox"/> EPA 6010/7000 TITLE 22 METALS <input type="checkbox"/> TTLC <input type="checkbox"/> STLCL <input type="checkbox"/> EPA 150.1 PH <input type="checkbox"/> ALKALINITY <input type="checkbox"/> SM2510B SPECIFIC CONDUCTIVITY <input type="checkbox"/> EPA 418.1 TRPH <input type="checkbox"/> TRPH <input type="checkbox"/> EPA 8260 ETHANOL <input type="checkbox"/> EPA 8015 TPH-D													Special Instructions Must meet 5.0 PPB detection limit by 8260
EPA 8260B/GC/MS TPH-G	BTEX	MTBE	OXYGENATES	HVOC	ORO	HC SCREEN	ORO	ORO	ORO	ORO	ORO	ORO	Special Instructions Must meet 5.0 PPB detection limit by 8260
EPA 815B GRO	GRO	MTBE	MTBE										Notes/Comments
EPA 8021B BTEX	MTBE												
EPA 6010 Ca, Fe, K, Mg, Mn, Na													
EPA 6010/7000 TITLE 22 METALS	TTLC	STLCL											
EPA 150.1 PH	ALKALINITY												
SM2510B SPECIFIC CONDUCTIVITY													
EPA 418.1 TRPH	TRPH												
EPA 8260 ETHANOL													
EPA 8015 TPH-D													

Charge Code: **NWRTB-0098247-0-OML**
 NWRTB 00SITE NUMBER-0-WBS
(WBS ELEMENTS:
 SITE ASSESSMENT: **A1L** REMEDIATION IMPLEMENTATION: **R5L**
 SITE MONITORING: **OML** OPERATION MAINTENANCE & MONITORING: **M1L**

THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETELY.

Lancaster Laboratories

Other Lab

Temp. Blank Check
 Time Temp.

Lancaster, PA
 Lab Contact: Nicole
 Maljovec

2425 New Holland Pike,
 Lancaster, PA 17601
 Phone No:
 (717)656-2300

SAMPLE ID				Sample Time	# of Containers	Container Type		
Field Point Name	Matrix	Top Depth	Date (yymmdd)					
C-1	W		150310	1215	6	VOLS		
C-2	↓			1320	6	↓		
C-3				1200	6			
C-4				1300	6			
C-5				0950	6			
C-6				1230	6			
C-8				1100	6			
C-10				0840	6			
C-11				1120	6			
QA		T			0750		2	

Relinquished By: [Signature] Company: BTS Date/Time: 3-10-15 1505

Relinquished By: [Signature] Company: BTS Date/Time: 3/16/15 1455

Relinquished By: _____ Company: _____ Date/Time: _____

Relinquished To: _____ Company: _____ Date/Time: _____

Relinquished To: [Signature] Company: ELLE Date/Time: 3-12-15 920

Relinquished To: _____ Company: _____ Date/Time: _____

Turnaround Time: Standard 24 Hours 48 hours 72 Hours Other

Sample Integrity: (Check by lab on arrival)
 Intact: On Ice: Temp: 2.1°C

COC # 763307

* SHIPPED VIA UPS

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m3	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter
<	less than		
>	greater than		
ppm	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.		
ppb	parts per billion		
Dry weight basis	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, ISO17025) 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.

Appendix H

Soil Vapor Sampling Data Sheets

SOIL VAPOR SAMPLING DATA SHEET

CONESTOGA-ROVERS & ASSOCIATES

Project Name: Chevron 90076

Date: 2/17/2015

Project No: 311977

Sampler: O. Yan

Site Address: 4265 Foothill Blvd, Oakland, CA

PM: Nathan Lee

Soil Vapor Sampling Point ID: VP-1 TUBE #: G0154191
 Leak Test (Shut-In) TEMP (°F): 55
 HUMIDITY (%): 70
 Purge Volume VOLUME COLLECTED: 240 mL
 Calculated Purge Volume: 330 mL 10:46 - 10:49

Start Time:	End Time:
<u>0945</u>	<u>0955</u>

Time	Flow Rate	Purged Volume	Comments
<u>1020</u>	<u>167 mL/min</u>	<u>350 mL</u>	<u>1021</u>

Sample Collection
 Flow Control Setting: 167 mL/min Summa Canister ID: 3650
 Summa Canister Size: 1 L Analysis: _____

Time Begin Sampling	Start Canister Vacuum	Time End Sampling	End Canister Vacuum	Total Time
<u>1152</u>	<u>-29</u>	<u>1158</u>	<u>-5</u>	<u>6 min</u>

Tracer Compound
 Tracer Compound Name: helium

Time	1152	1155	1156	1158			
Tracer Compound %	<u>17</u>	<u>40.5</u>	<u>40</u>	<u>40</u>			

Ambient Temp _____ Atmospheric pressure _____ Humidity _____

Notes: _____

Soil Vapor Sampling Point ID: VP-2 TUBE #: G0135677
 Leak Test (Shut-In) TEMP (°F): 55
 HUMIDITY (%): 70
 Purge Volume VOLUME COLLECTED: 240 mL
 Calculated Purge Volume: Water in tubing → sampling not attempted. 11:12 - 11:16

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: Chevron 90076

Date: 2/17/2015

Project No: 311977

Sampler: O. Yan

Site Address: 4265 Foothill Blvd, Oakland, CA

PM: Nathan Lee

Soil Vapor Sampling Point ID: VP-3 TUBE #: 60147283
 Leak Test (Shut-In) TEMP(°F): 56°
 HUMIDITY (%): 70%
 VOLUME COLLECTED: 290 mL
 11:23 - 11:28

Start Time:	End Time:
<u>1315</u>	<u>1326</u>

Purge Volume
 Calculated Purge Volume: 330 mL

Time	Flow Rate	Purged Volume	Comments
<u>1330</u>	<u>167 mL/min</u>	<u>~350 mL</u>	<u>1331</u>

Sample Collection
 Flow Control Setting: 167 mL/min Summa Canister ID: 34588
 Summa Canister Size: 1L Analysis: _____

Time Begin Sampling	Start Canister Vacuum	Time End Sampling	End Canister Vacuum	Total Time
<u>1333</u>	<u>-28</u>	<u>1338</u>	<u>-5</u>	<u>5 min</u>

Tracer Compound
 Tracer Compound Name: helium

Time	1333	1334	1335	1336	1337		
Tracer Compound %	<u>26.7</u>	<u>30.9</u>	<u>40.6</u>	<u>46.6</u>	<u>47.5</u>		
Ambient Temp	_____ Atmospheric pressure				_____ Humidity		

Notes:

Soil Vapor Sampling Point ID: VP-4 TUBE #: 60145525
 Leak Test (Shut-In) TEMP(°F): 55
 HUMIDITY (%): 70
 VOLUME COLLECTED: 240 mL
 10:58 - 11:02

Start Time:	End Time:
<u>0955</u>	<u>10:10</u>

Purge Volume
 Calculated Purge Volume: 330 mL

Time	Flow Rate	Purged Volume	Comments
<u>1205</u>	<u>167 mL/min</u>	<u>~350 mL</u>	<u>1206</u>

Sample Collection
 Flow Control Setting: 167 mL/min Summa Canister ID: 15724
 Summa Canister Size: 1L Analysis: _____

Time Begin Sampling	Start Canister Vacuum	Time End Sampling	End Canister Vacuum	Total Time
<u>1209</u>	<u>-30</u>	<u>1216</u>	<u>-5</u>	<u>7 min</u>

Tracer Compound
 Tracer Compound Name: helium

Time	1209	1210	1211	1212	1213	1215	
Tracer Compound %	<u>27</u>	<u>30</u>	<u>35</u>	<u>43</u>	<u>47</u>	<u>48</u>	
Ambient Temp	_____ Atmospheric pressure				_____ Humidity		

Notes:

SOIL VAPOR SAMPLING DATA SHEET

CONESTOGA-ROVERS & ASSOCIATES

Project Name: Chevron 90076
 Project No: 311977
 Site Address: 4265 Foothill Blvd, Oakland, CA

Date: 2/17/2015
 Sampler: O. Yan
 PM: Nathan Lee

Soil Vapor Sampling Point ID: VP-5 / DUP TUBE # : G01 39991
 Leak Test (Shut-In) TEMP(°F): 60°

Start Time:	End Time:
<u>1326</u>	<u>1341</u>

 Humidity (%): 70%
 Purge Volume VOLUME COLLECTED: 290 mL
 Calculated Purge Volume: 330 mL 1439 - 1442

Time	Flow Rate	Purged Volume	Comments
<u>1408</u>	<u>167 mL/min</u>	<u>~350 mL</u>	<u>1410</u>

Sample Collection 15763
 Flow Control Setting: 167 mL/min Summa Canister ID: DUP: 34661
 Summa Canister Size: 1L Analysis: _____

Time Begin Sampling	Start Canister Vacuum	Time End Sampling	End Canister Vacuum	Total Time
<u>1413</u>	<u>-30 / -30 (DUP)</u>	<u>1430</u>	<u>-5.5 / -5.5 (AV)</u>	<u>17 min</u>

Tracer Compound helium
 Tracer Compound Name: _____

Time	1413	1417	1420	1425	1428		
Tracer Compound %	<u>28.7</u>	<u>33.8</u>	<u>43</u>	<u>49.6</u>	<u>47.7</u>		

Ambient Temp _____ Atmospheric pressure _____ Humidity _____

Notes: _____

Soil Vapor Sampling Point ID: VP-6 TUBE #: G01 35601
 Leak Test (Shut-In) TEMP(°F): 64°

Start Time:	End Time:
<u>1355</u>	<u>1410</u>

 Humidity (%): 70%
 Purge Volume VOLUME (mL): 290
 Calculated Purge Volume: 330 mL 1533 - 1536

Time	Flow Rate	Purged Volume	Comments
<u>1516</u>	<u>167 mL/min</u>	<u>~350 mL</u>	<u>1517</u>

Sample Collection 36533
 Flow Control Setting: 167 mL/min Summa Canister ID: 36533
 Summa Canister Size: 1L Analysis: _____

Time Begin Sampling	Start Canister Vacuum	Time End Sampling	End Canister Vacuum	Total Time
<u>1520</u>	<u>-30</u>	<u>1530</u>	<u>-5</u>	<u>10 min</u>

Tracer Compound helium
 Tracer Compound Name: _____

Time	1520	1527	1530				
Tracer Compound %	<u>28.9</u>	<u>44.8</u>	<u>45.1</u>				

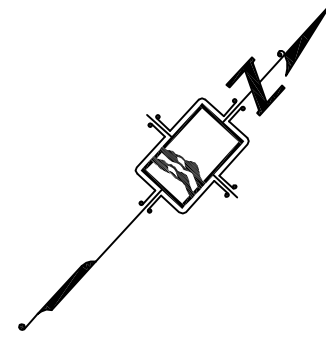
Ambient Temp _____ Atmospheric pressure _____ Humidity _____

Notes: _____

Appendix I

Well Survey Data

DESC.	NORTHING	EASTING	LATITUDE	LONGITUDE	EL. PVC	EL. RIM
C-1	2109146.1	6066818.3	37.7748960	-122.2122443	40.69	41.44
C-2	2109012.1	6066798.7	37.7745271	-122.2123036	40.05	41.22
C-3	2109034.7	6066745.6	37.7745947	-122.2124889	40.62	41.41
C-4	2108958.9	6066778.1	37.7743799	-122.2123715	38.69	39.56
C-5	2109039.9	6066697.3	37.7745983	-122.2126562	41.11	41.53
C-6	2108887.0	6066696.7	37.7741784	-122.2126486	37.94	38.52
C-7	2108807.1	6066745.4	37.7739615	-122.2124750	N/A	38.04
C-8	2108769.3	6066598.6	37.7738520	-122.2129805	37.22	37.72
C-9	2108700.9	6066677.3	37.7736664	-122.2127039	N/A	36.98
C-10	2109063.5	6066878.7	37.7746722	-122.2120301	40.96	41.26
C-11	2108808.1	6066772.0	37.7739656	-122.2123831	36.79	37.43
VP-1	2109003.6	6066742.6				
VP-2	2108985.4	6066751.0				
VP-3	2108970.7	6066765.1				
VP-4	2108978.4	6066750.1				
VP-5	2109095.8	6066731.4				
VP-6	2109145.1	6066748.5				



⊗C₈

⊗C₇

⊗C₁₁

⊗C₉



1255 Starboard Drive
 West Sacramento ~ CA ~ 95691
 Phone: 916-372-8124
 Fax: 916-372-8538
 Email: matt@morrrowsurveying.com
 www.morrrowsurveying.com

DATE: March, 2015
 DATE SURVEYED: 2-25-15 SF
 SCALE: 1"=40'
 SHEET 1 OF 1
 FIELD BOOK: DRAWING NO. :
 0857-184
 DRAWN BY: MM

BASIS OF COORDINATES & ELEVATIONS:
 COORDINATES ARE CALIFORNIA STATE PLANE ZONE 3
 COORDINATES FROM GPS OBSERVATIONS USING CSDS
 VIRTUAL SURVEY NETWORK.
 COORDINATE DATUM IS NAD 83.
 REFERENCE GEOID IS GEOID03.
 VERTICAL DATUM IS NAVD 88 FROM GPS OBSERVATIONS.

Monitoring Well Exhibit
 Prepared for:
 CRA

PROJECT
 4265 Foothill Blvd.
 City of Oakland Alameda County
 California

Appendix J

Trend Graphs and Degradation Calculations

TABLE 1: SUMMARY OF DEGRADATION CALCULATIONS
Chevron Service Station 9-0076, 4265 Foothill Boulevard, Oakland, CA

Well	Analyte	Maximum Concentration (µg/L)	Current Concentration (µg/L)	WQO (µg/L)	Half Life (years)	Date to Reach WQO	Years to Reach WQO
C-1	TPHg	20,000	650	100	10.45	May 2028	13
	Benzene	2,500	28	1	1.66	Jan 2014	Near WQO
	MTBE	2,500	27	5	1.72	Jul 2016	1
C-2	TPHg	1,100,000	14,000	100	6.31	Feb 2050	35
	Benzene	30,000	480	1	4.13	May 2046	31
	MTBE	5,200	40	5	2.32	May 2019	4
C-3	TPHg	560	76	100	31.56	WQO met	WQO met
	Benzene	36	< 0.5	1	5.29	WQO met	WQO met
	MTBE	400	54	5	Fluctuating	Fluctuating	Fluctuating
C-4	TPHg	48,000	8,800	100	14.79	Dec 2089	75
	Benzene	14,000	1,400	1	14.25	Feb 2139	124
	MTBE	4,600	13	5	3.45	Nov 2019	5
C-5	TPHg	110	<50	100	3.49	May 2011	WQO met
	Benzene	10	<0.5	1	0.74	Dec 2014	WQO met
	MTBE	34	9	5	1.33	Apr 2015	1
C-6	TPHg	11,000	50	100	3.87	Jan 2013	WQO met
	Benzene	3,200	< 0.5	1	1.59	Jun 2010	WQO met
	MTBE	220	< 0.5	5	2.86	Oct 2009	WQO met
C-7	TPHg	46,000	1,300	100	2.78	Apr 2020	5
	Benzene	12,000	15	1	3.36	Apr 2024	9
	MTBE	190	8	5	13.10	Jan 2014	Near WQO

Notes and Abbreviations:

TPHg =Total Petroleum Hydrocarbons as Gasoline

MTBE =Methyl Tertiary Butyl Ether

WQO =Water quality objective

µg/L =Micrograms per liter

<X =Not detected above laboratory reporting limit of X

All trends begin at the highest detectable concentration

Predicted Time to Reach Water Quality Objectives in Well C-1

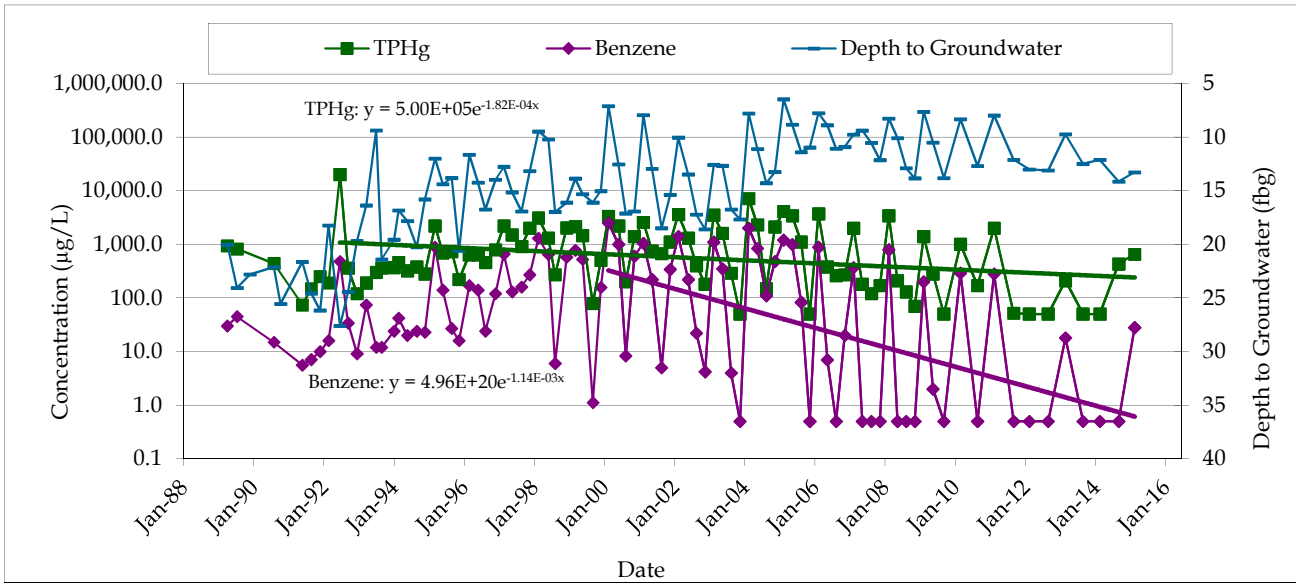
Chevron Service Station 9-0076, 4265 Foothill Boulevard, Oakland, CA

$$y = b e^{ax} \quad \implies \quad x = \ln(y/b) / a$$

where: y = concentration in $\mu\text{g/L}$ a = decay constant
 b = concentration at time (x) x = time (x) in days

Given	Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene
Water Quality Objective (WQO):	y	100	1
Constant:	b	5.00E+05	4.96E+20
Constant:	a	-1.82E-04	-1.14E-03
Starting date for current trend:		7/14/1992	3/9/2000

Calculate		TPHg	Benzene
Attenuation Half Life (years):	$(-\ln(2)/a)/365.25$	10.45	1.66
Estimated Date to Reach WQO:	$(x = \ln(y/b) / a)$	May 2028	Jan 2014



Predicted Time to Reach Water Quality Objectives in Well C-1

Chevron Service Station 9-0076, 4265 Foothill Boulevard, Oakland, CA

$$y = b e^{ax} \quad \implies \quad x = \ln(y/b) / a$$

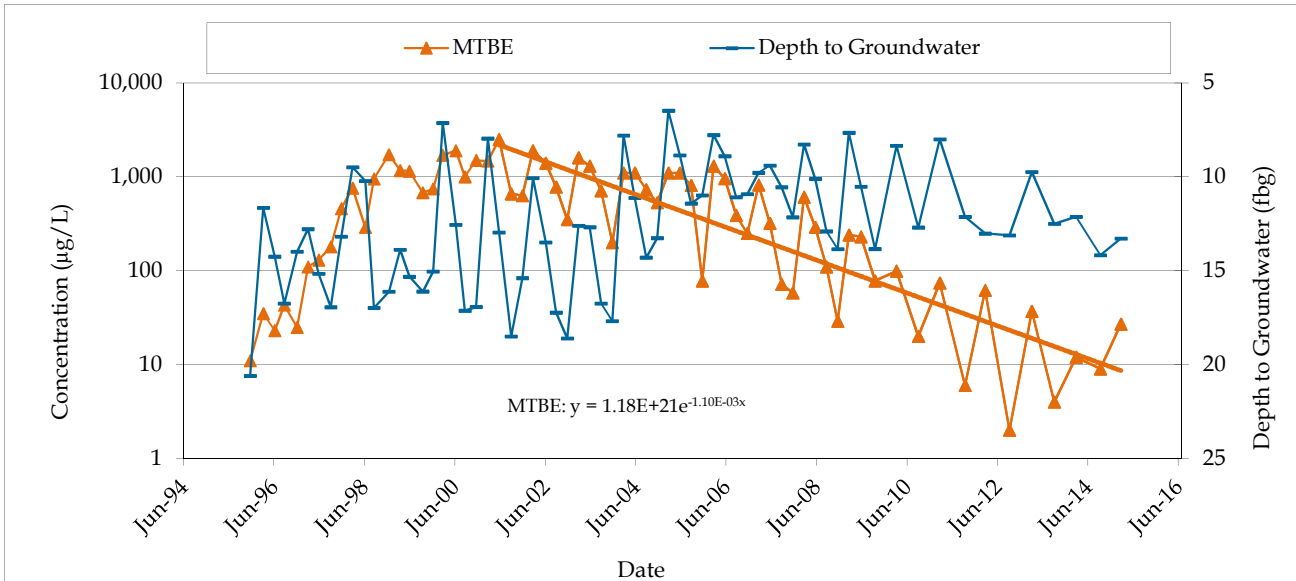
where: y = concentration in $\mu\text{g/L}$ a = decay constant
 b = concentration at time (x) x = time (x) in days

Given	Constituent	Methyl Tertiary Butyl Ether
Water Quality Objective (WQO):	y	5
Constant:	b	1.18E+21
Constant:	a	-1.10E-03
Starting date for current trend:		6/7/2001

Calculate

Attenuation Half Life (years): $(-\ln(2)/a)/365.25$ 1.72

Estimated Date to Reach WQO: $(x = \ln(y/b) / a)$ Jul 2016



Predicted Time to Reach Water Quality Objectives in Well C-2

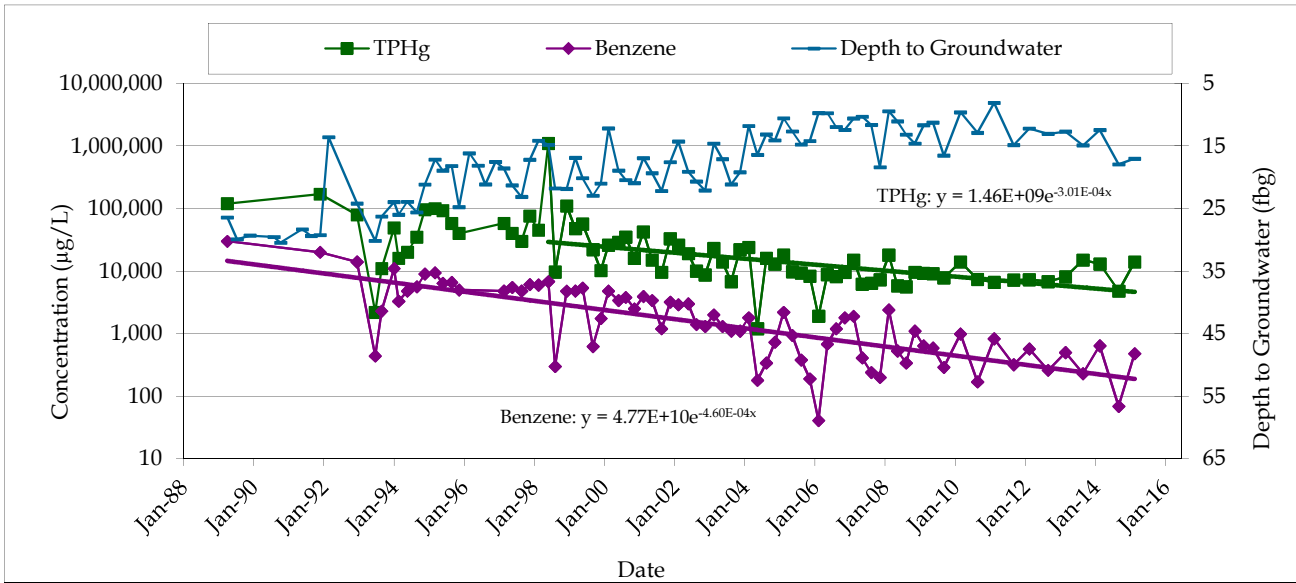
Chevron Service Station 9-0076, 4265 Foothill Boulevard, Oakland, CA

$$y = b e^{ax} \quad \implies \quad x = \ln(y/b) / a$$

where: y = concentration in $\mu\text{g/L}$ a = decay constant
 b = concentration at time (x) x = time (x) in days

Given	Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene
Water Quality Objective (WQO):	y	100	1
Constant:	b	1.46E+09	4.77E+10
Constant:	a	-3.01E-04	-4.60E-04
Starting date for current trend:		4/28/1989	4/28/1989

Calculate		TPHg	Benzene
Attenuation Half Life (years): $(-\ln(2)/a)/365.25$		6.31	4.13
Estimated Date to Reach WQO: $(x = \ln(y/b) / a)$		Feb 2050	May 2046



Predicted Time to Reach Water Quality Objectives in Well C-2

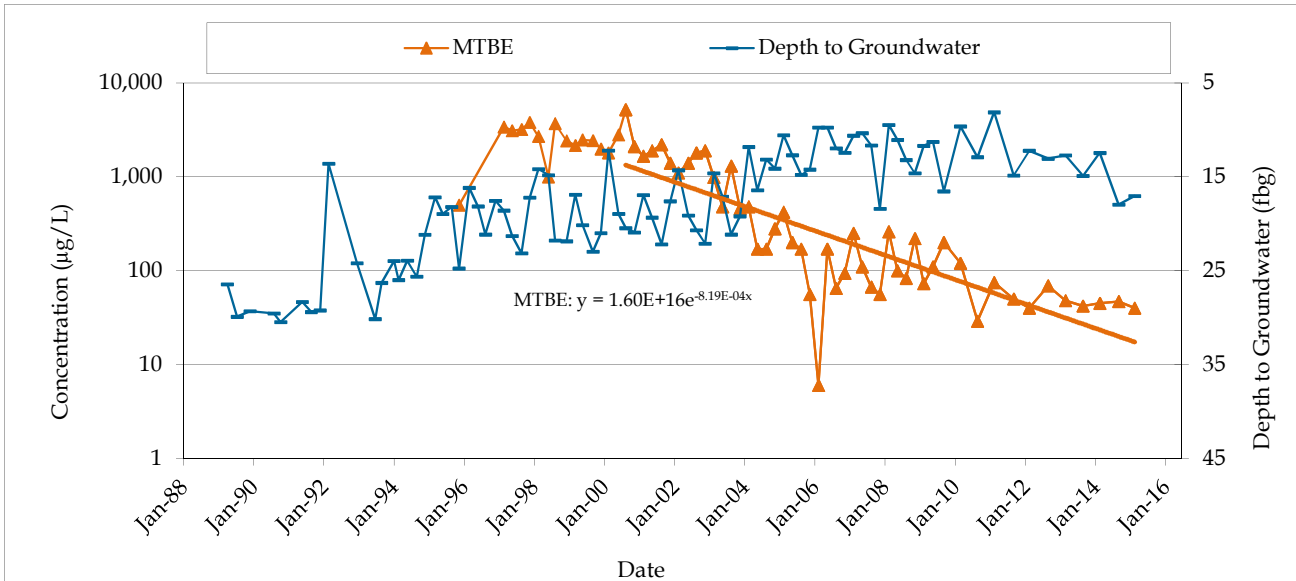
Chevron Service Station 9-0076, 4265 Foothill Boulevard, Oakland, CA

$$y = b e^{ax} \quad \implies \quad x = \ln(y/b) / a$$

where: y = concentration in $\mu\text{g/L}$ a = decay constant
 b = concentration at time (x) x = time (x) in days

	Constituent	Methyl Tertiary Butyl Ether
Given		
Water Quality Objective (WQO):	y	5
Constant:	b	1.60E+16
Constant:	a	-8.19E-04
Starting date for current trend:		9/5/2000

Calculate		
Attenuation Half Life (years):	$(-\ln(2)/a)/365.25$	2.32
Estimated Date to Reach WQO:	$(x = \ln(y/b) / a)$	May 2019



CHEVRON SERVICE STATION 90076
 4265 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA



C-2: MTBE CONCENTRATIONS AND
 DEPTH TO GROUNDWATER

Predicted Time to Reach Water Quality Objectives in Well C-3

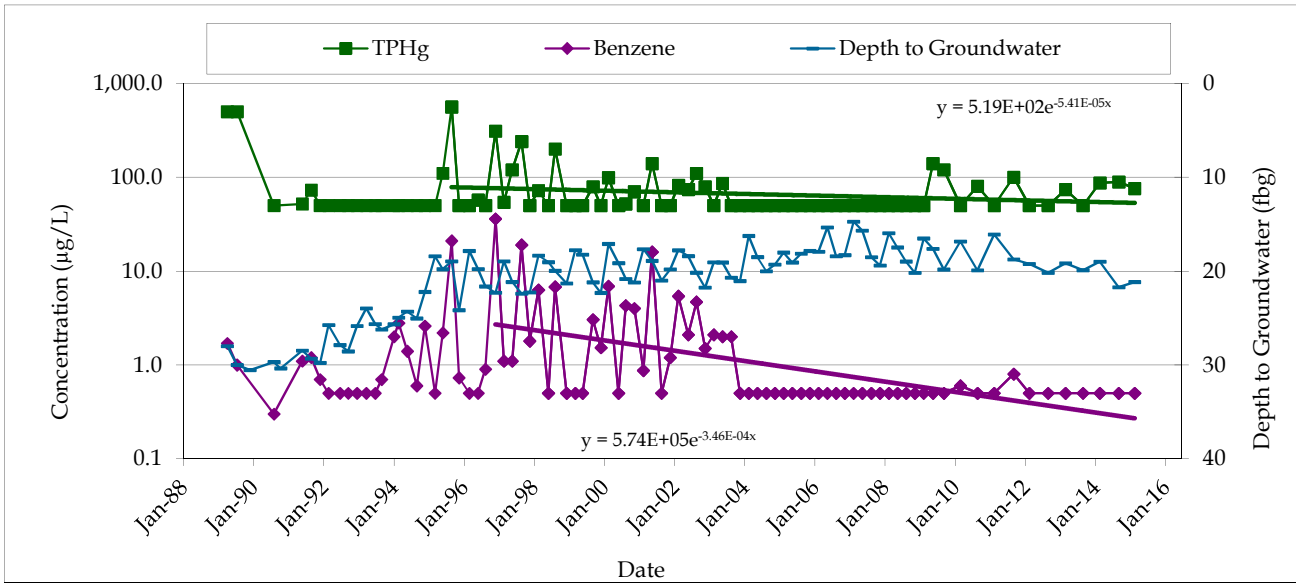
Chevron Service Station 9-0076, 4265 Foothill Boulevard, Oakland, CA

$$y = b e^{ax} \quad \implies \quad x = \ln(y/b) / a$$

where: y = concentration in $\mu\text{g/L}$ a = decay constant
 b = concentration at time (x) x = time (x) in days

Given	Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene
Water Quality Objective (WQO):	y	100	1
Constant:	b	6.49E+02	9.04E+05
Constant:	a	-6.01E-05	-3.58E-04
Starting date for current trend:		9/20/1995	12/19/1996

Calculate		TPHg	Benzene
Attenuation Half Life (years):	$(-\ln(2)/a)/365.25$	31.56	5.29
Estimated Date to Reach WQO:	$(x = \ln(y/b) / a)$	WQO met	WQO met



Predicted Time to Reach Water Quality Objectives in Well C-3

Chevron Service Station 9-0076, 4265 Foothill Boulevard, Oakland, CA

$$y = b e^{ax} \quad \implies \quad x = \ln(y/b) / a$$

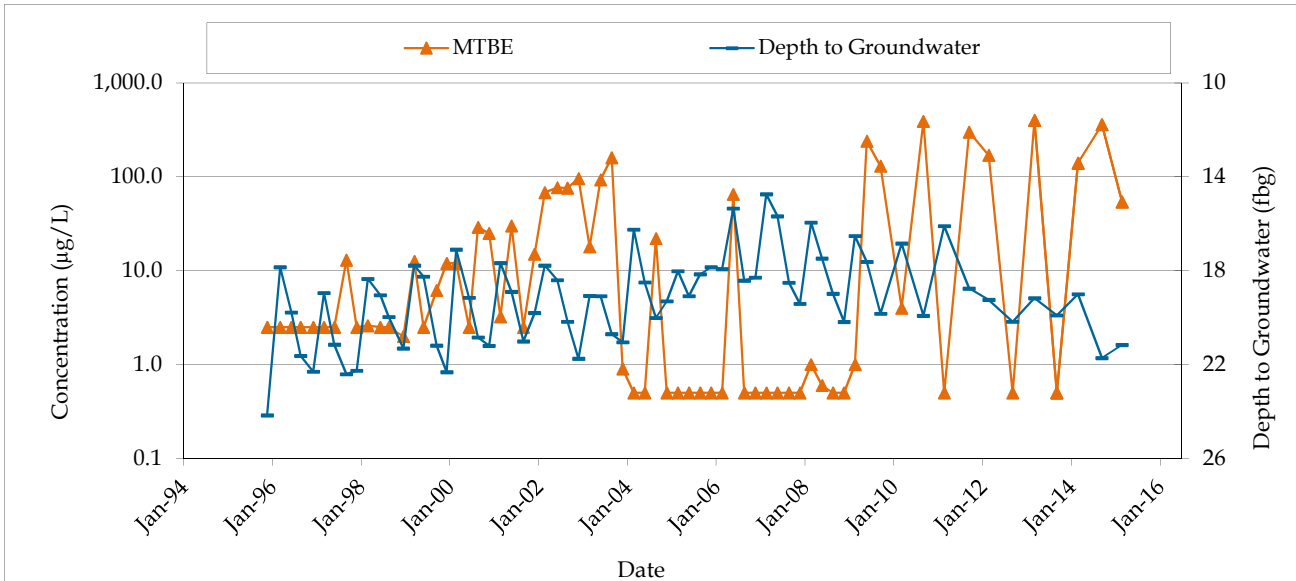
where: y = concentration in $\mu\text{g/L}$ a = decay constant
 b = concentration at time (x) x = time (x) in days

	Constituent	Methyl Tertiary Butyl Ether
Given		
Water Quality Objective (WQO):	y	5
Constant:	b	9.37E-52
Constant:	a	2.92E-03
Starting date for current trend:		

Calculate

Attenuation Half Life (years): $(-\ln(2)/a)/365.25$ Fluctuating

Estimated Date to Reach WQO: $(x = \ln(y/b) / a)$ Fluctuating



Predicted Time to Reach Water Quality Objectives in Well C-4

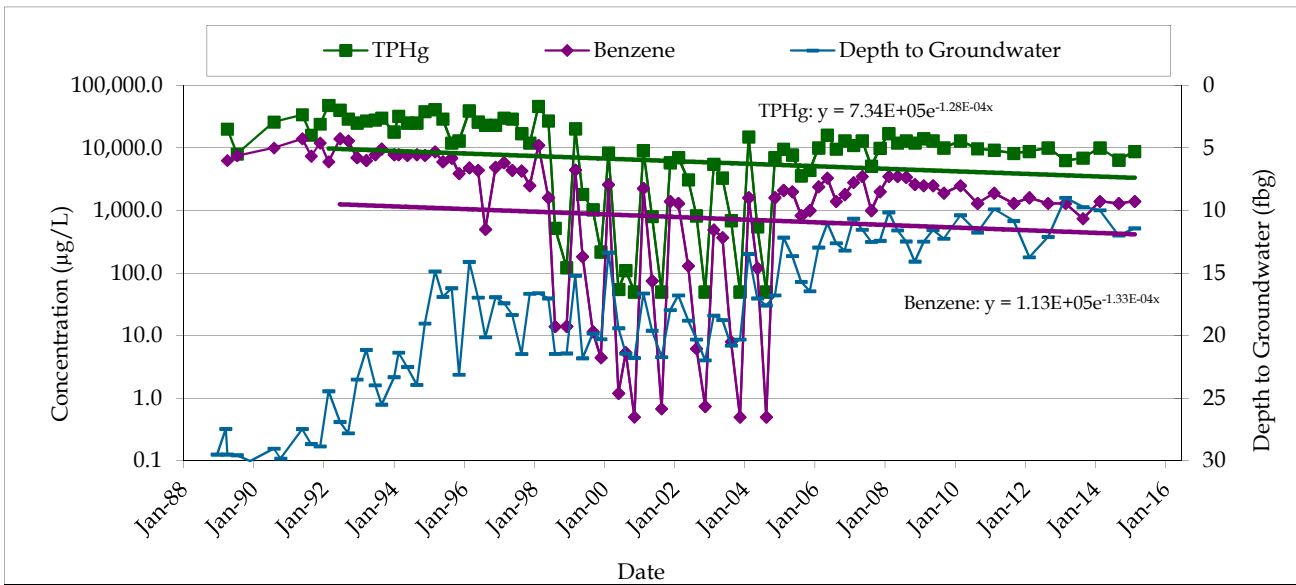
Chevron Service Station 9-0076, 4265 Foothill Boulevard, Oakland, CA

$$y = b e^{ax} \quad \implies \quad x = \ln(y/b) / a$$

where: y = concentration in $\mu\text{g/L}$ a = decay constant
 b = concentration at time (x) x = time (x) in days

	Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene
Given			
Water Quality Objective (WQO):	y	100	1
Constant:	b	7.34E+05	1.13E+05
Constant:	a	-1.28E-04	-1.33E-04
Starting date for current trend:		3/18/1992	7/14/1992

Calculate			
Attenuation Half Life (years): $(-\ln(2)/a)/365.25$	14.79	14.25	
Estimated Date to Reach WQO: $(x = \ln(y/b) / a)$	Dec 2089	Feb 2139	



CHEVRON SERVICE STATION 90076
 4265 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA



C-4: TPHG AND BENZENE
 CONCENTRATIONS AND DEPTH TO
 GROUNDWATER

Predicted Time to Reach Water Quality Objectives in Well C-4

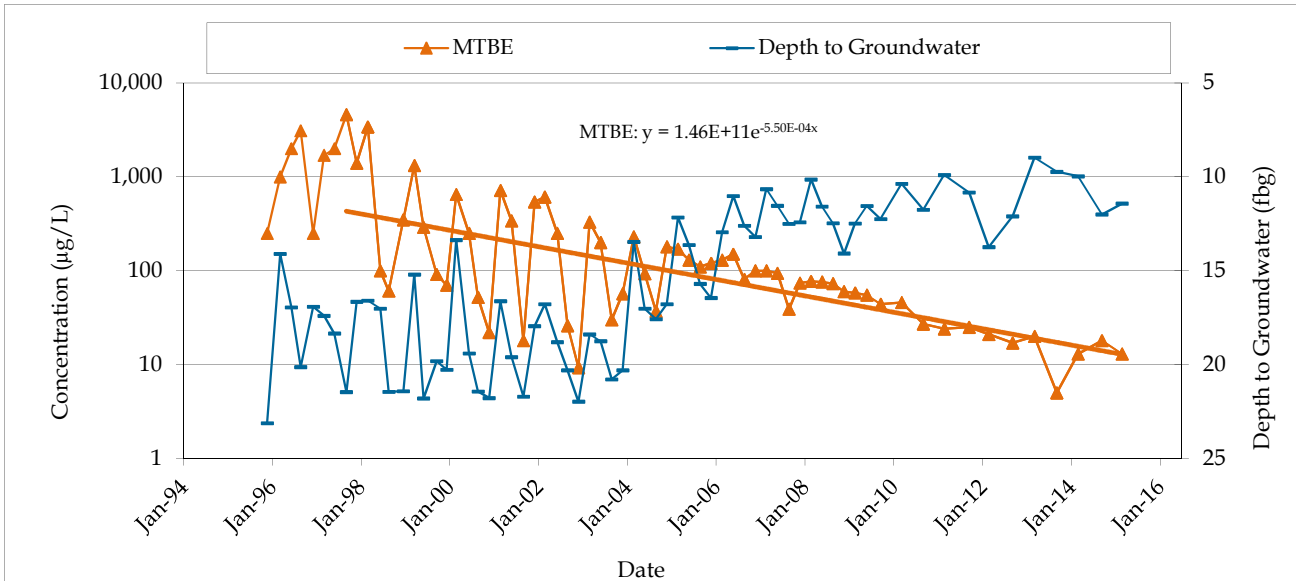
Chevron Service Station 9-0076, 4265 Foothill Boulevard, Oakland, CA

$$y = b e^{ax} \quad \implies \quad x = \ln(y/b) / a$$

where: y = concentration in $\mu\text{g/L}$ a = decay constant
 b = concentration at time (x) x = time (x) in days

Given	Constituent	Methyl Tertiary Butyl Ether
Water Quality Objective (WQO):	y	5
Constant:	b	$1.46\text{E}+11$
Constant:	a	$-5.50\text{E}-04$
Starting date for current trend:		9/17/1997

Calculate		
Attenuation Half Life (years):	$(-\ln(2)/a)/365.25$	3.45
Estimated Date to Reach WQO:	$(x = \ln(y/b) / a)$	Nov 2019



Predicted Time to Reach Water Quality Objectives in Well C-5

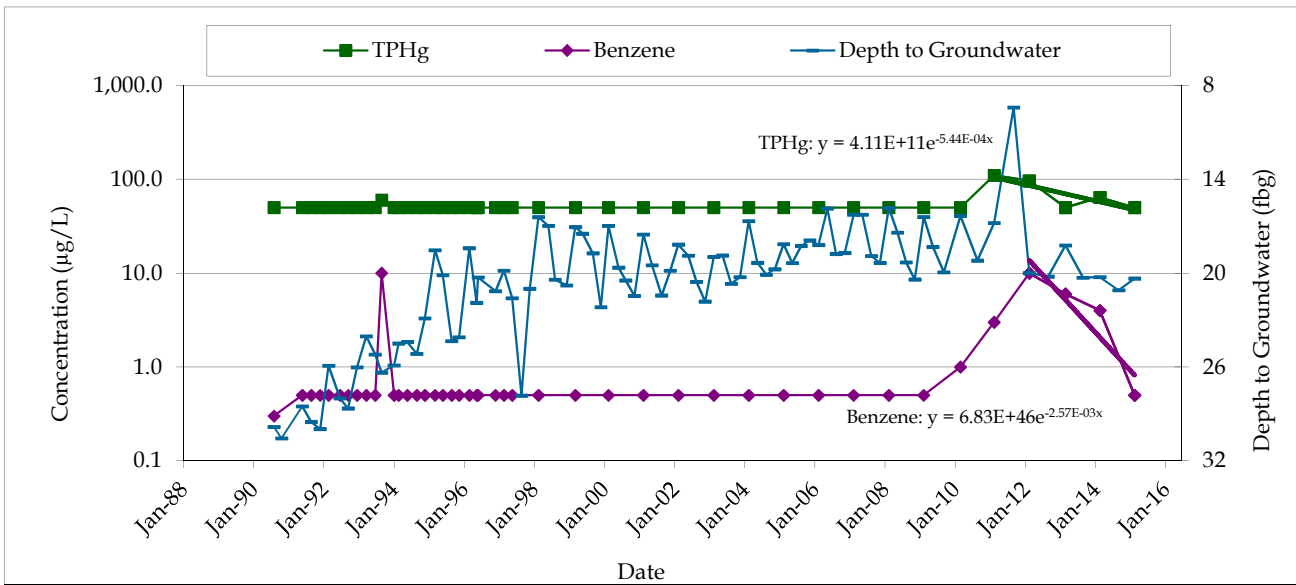
Chevron Service Station 9-0076, 4265 Foothill Boulevard, Oakland, CA

$$y = b e^{ax} \quad \implies \quad x = \ln(y/b) / a$$

where: y = concentration in $\mu\text{g/L}$ a = decay constant
 b = concentration at time (x) x = time (x) in days

Given	Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene
Water Quality Objective (WQO):	y	100	1
Constant:	b	$4.11\text{E}+11$	$6.83\text{E}+46$
Constant:	a	$-5.44\text{E}-04$	$-2.57\text{E}-03$
Starting date for current trend:		3/8/2011	3/18/2012

Calculate		TPHg	Benzene
Attenuation Half Life (years):	$(-\ln(2)/a)/365.25$	3.49	0.74
Estimated Date to Reach WQO:	$(x = \ln(y/b) / a)$	May 2011	Dec 2014



Predicted Time to Reach Water Quality Objectives in Well C-5

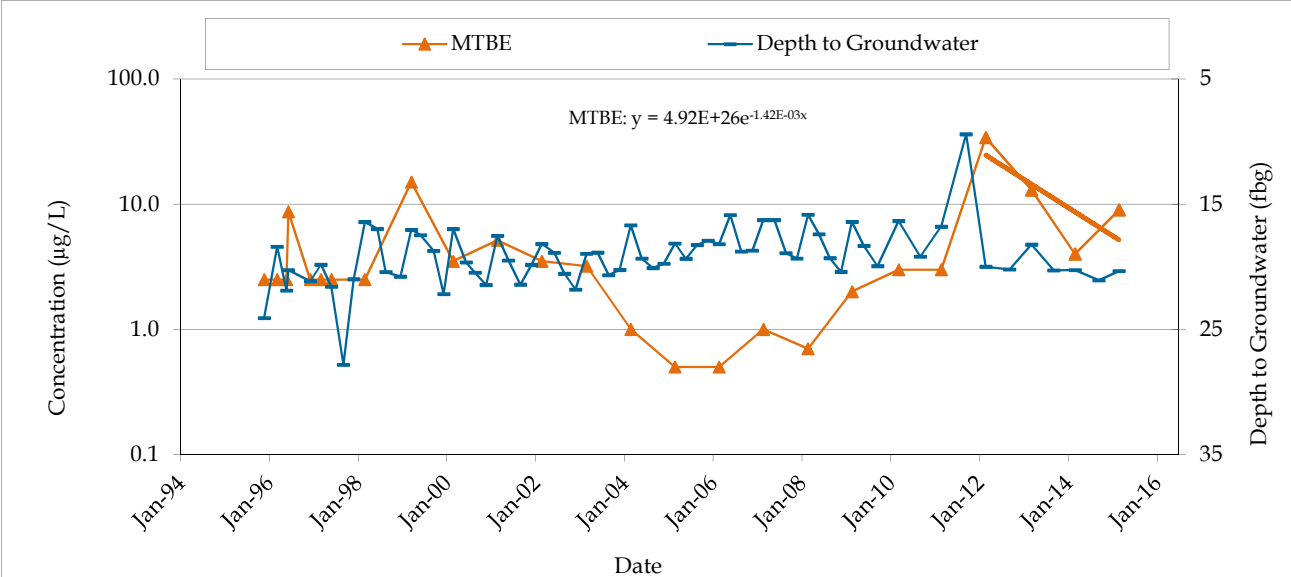
Chevron Service Station 9-0076, 4265 Foothill Boulevard, Oakland, CA

$$y = b e^{ax} \quad \implies \quad x = \ln(y/b) / a$$

where: y = concentration in $\mu\text{g/L}$ a = decay constant
 b = concentration at time (x) x = time (x) in days

Given	Constituent	Methyl Tertiary Butyl Ether
Water Quality Objective (WQO):	y	5
Constant:	b	4.92E+26
Constant:	a	-1.42E-03
Starting date for current trend:		3/8/2012

Calculate		
Attenuation Half Life (years):	$(-\ln(2)/a)/365.25$	1.33
Estimated Date to Reach WQO:	$(x = \ln(y/b) / a)$	Apr 2015



Predicted Time to Reach Water Quality Objectives in Well C-6

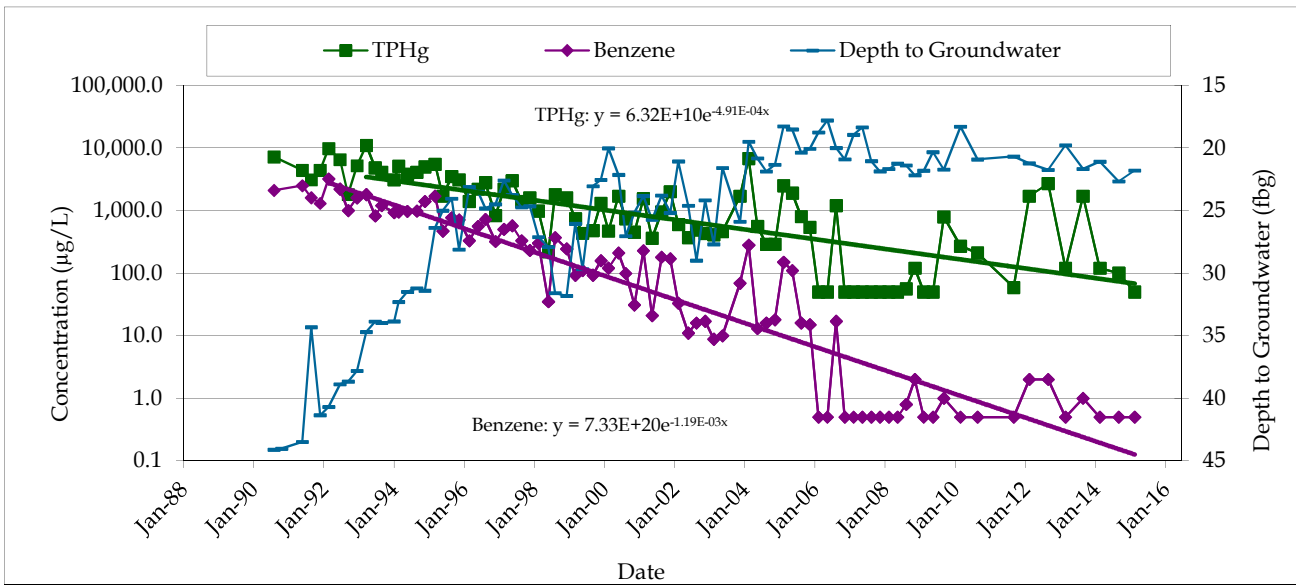
Chevron Service Station 9-0076, 4265 Foothill Boulevard, Oakland, CA

$$y = b e^{ax} \quad \implies \quad x = \ln(y/b) / a$$

where: y = concentration in $\mu\text{g/L}$ a = decay constant
 b = concentration at time (x) x = time (x) in days

Given	Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene
Water Quality Objective (WQO):	y	100	1
Constant:	b	6.32E+10	7.33E+20
Constant:	a	-4.91E-04	-1.19E-03
Starting date for current trend:		4/14/1993	3/18/1992

Calculate		TPHg	Benzene
Attenuation Half Life (years):	$(-\ln(2)/a)/365.25$	3.87	1.59
Estimated Date to Reach WQO:	$(x = \ln(y/b) / a)$	Jan 2013	Jun 2010



Predicted Time to Reach Water Quality Objectives in Well C-6

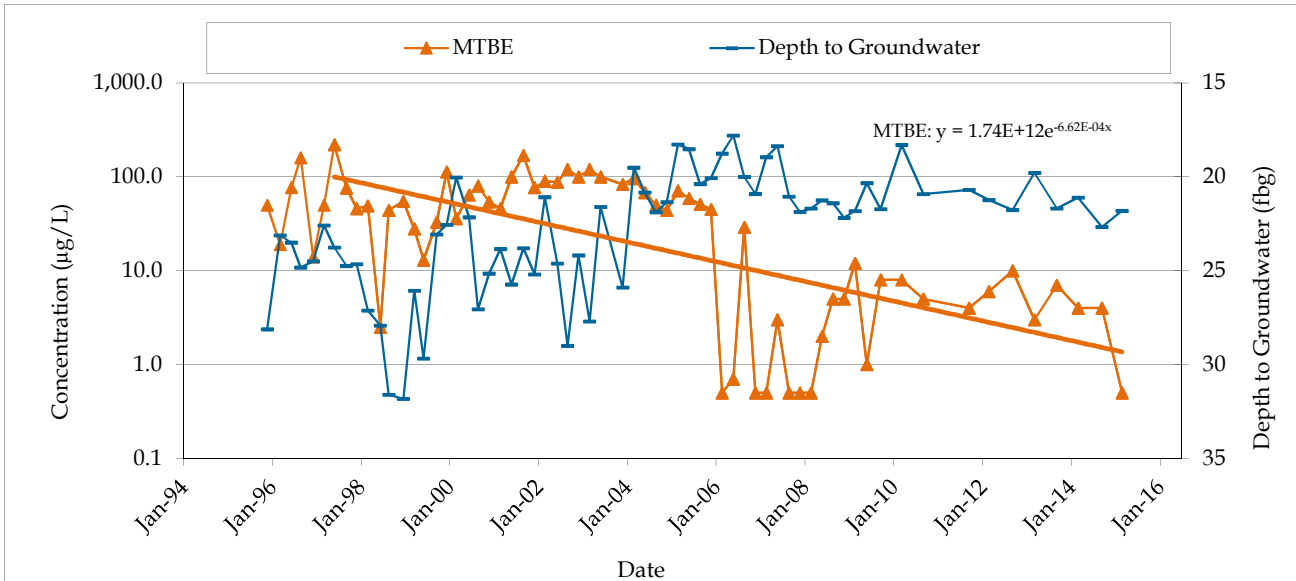
Chevron Service Station 9-0076, 4265 Foothill Boulevard, Oakland, CA

$$y = b e^{ax} \quad \implies \quad x = \ln(y/b) / a$$

where: y = concentration in $\mu\text{g/L}$ a = decay constant
 b = concentration at time (x) x = time (x) in days

Given	Constituent	Methyl Tertiary Butyl Ether
Water Quality Objective (WQO):	y	5
Constant:	b	1.74E+12
Constant:	a	-6.62E-04
Starting date for current trend:		9/6/1996

Calculate		
Attenuation Half Life (years):	$(-\ln(2)/a)/365.25$	2.86
Estimated Date to Reach WQO:	$(x = \ln(y/b) / a)$	Oct 2009



Predicted Time to Reach Water Quality Objectives in Well C-7

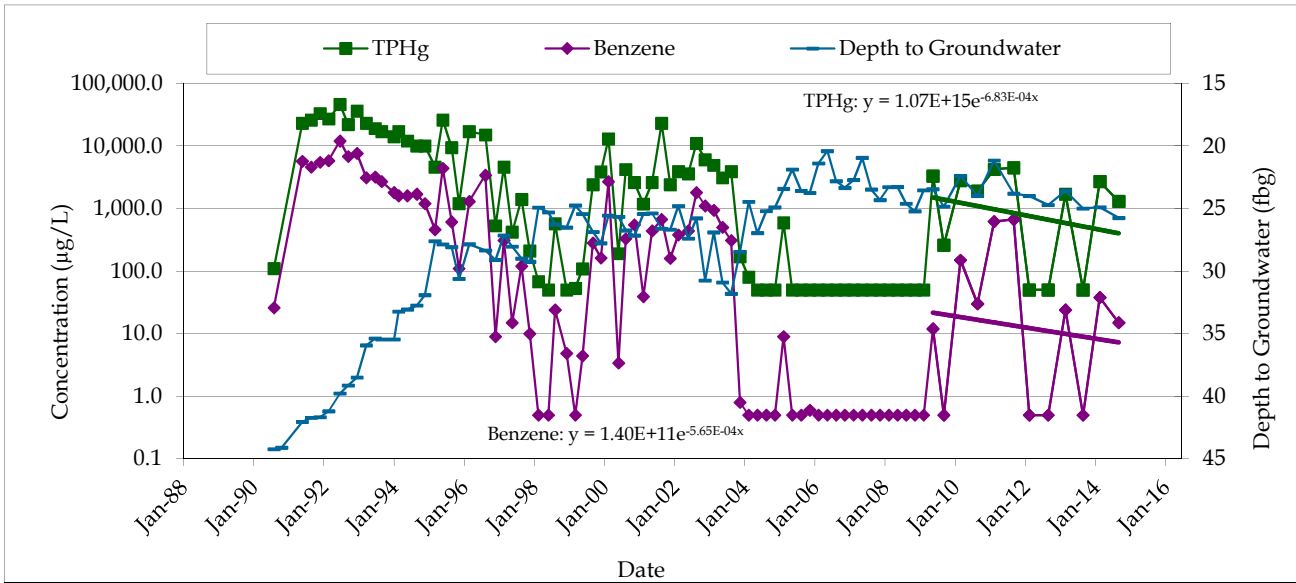
Chevron Service Station 9-0076, 4265 Foothill Boulevard, Oakland, CA

$$y = b e^{ax} \quad \implies \quad x = \ln(y/b) / a$$

where: y = concentration in $\mu\text{g/L}$ a = decay constant
 b = concentration at time (x) x = time (x) in days

Given	Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene
Water Quality Objective (WQO):	y	100	1
Constant:	b	$1.07\text{E}+15$	$1.40\text{E}+11$
Constant:	a	$-6.83\text{E}-04$	$-5.65\text{E}-04$
Starting date for current trend:		9/30/2009	9/30/2009

Calculate		TPHg	Benzene
Attenuation Half Life (years):	$(-\ln(2)/a)/365.25$	2.78	3.36
Estimated Date to Reach WQO:	$(x = \ln(y/b) / a)$	Apr 2020	Apr 2024



Predicted Time to Reach Water Quality Objectives in Well C-7

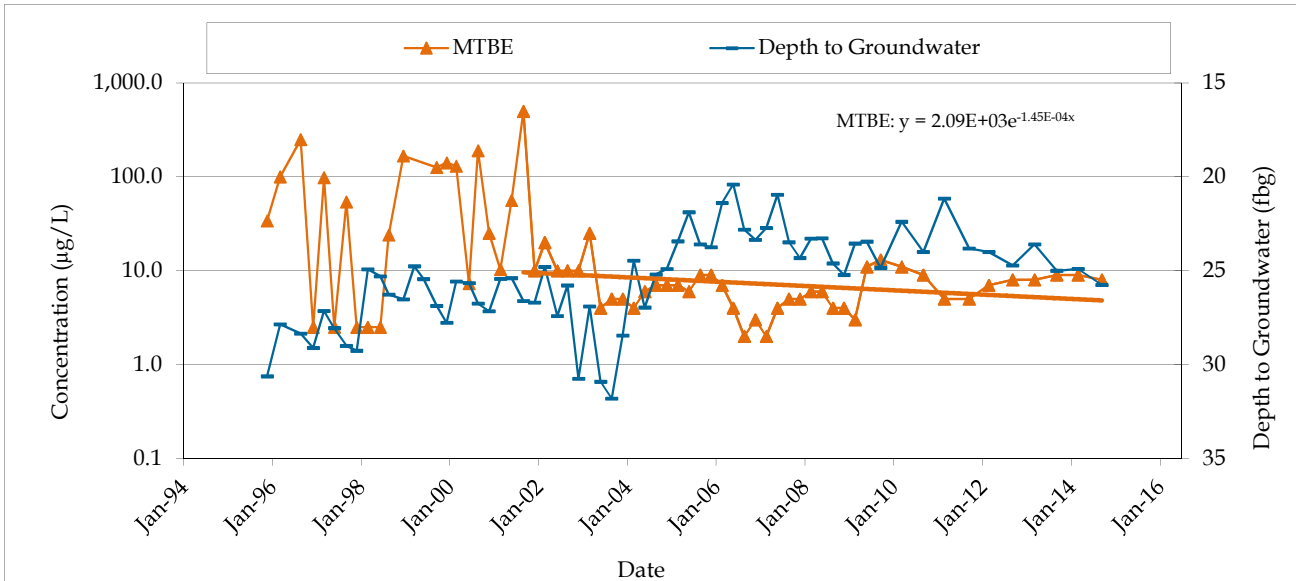
Chevron Service Station 9-0076, 4265 Foothill Boulevard, Oakland, CA

$$y = b e^{ax} \quad \implies \quad x = \ln(y/b) / a$$

where: y = concentration in $\mu\text{g/L}$ a = decay constant
 b = concentration at time (x) x = time (x) in days

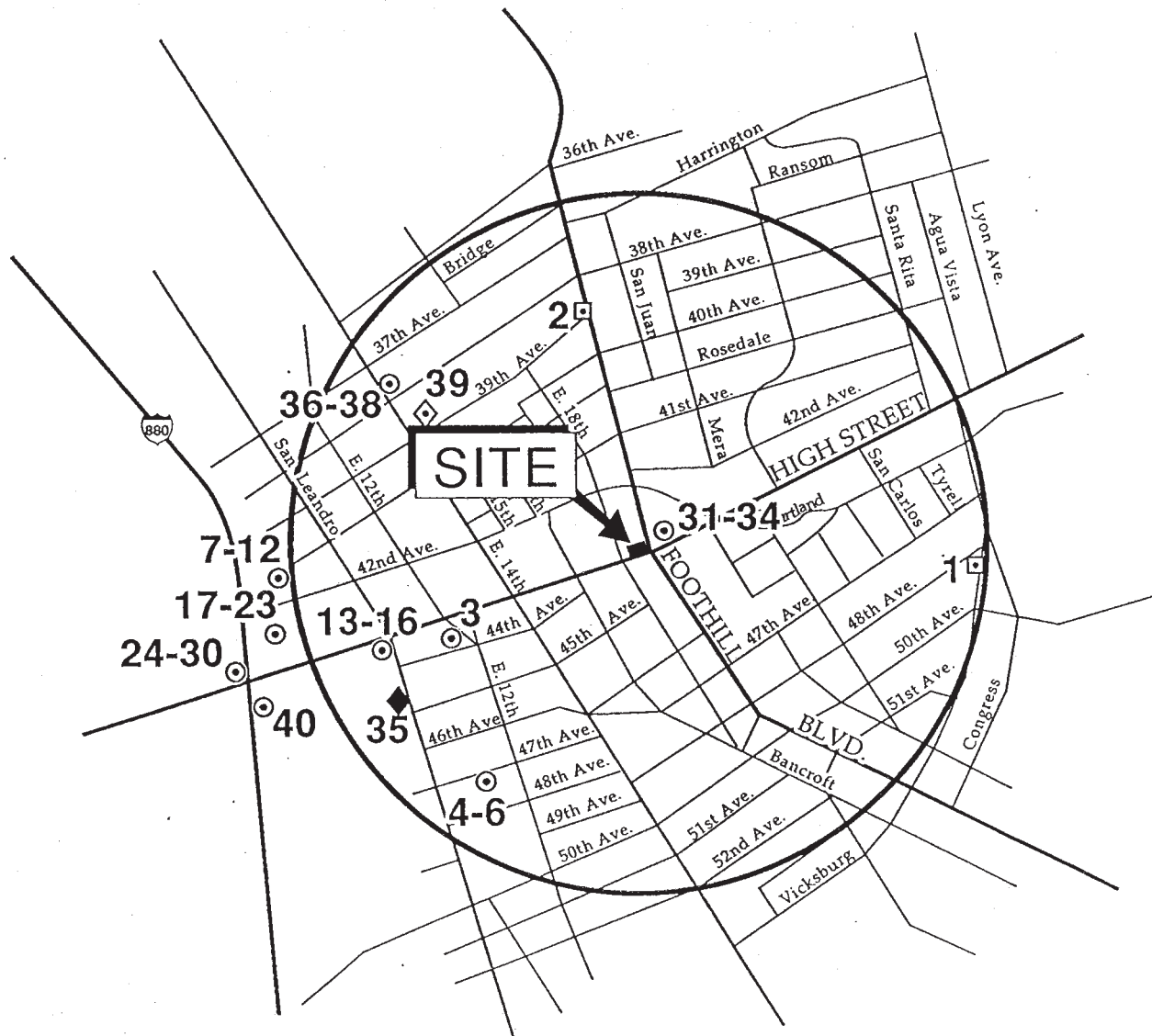
Given	Constituent	Methyl Tertiary Butyl Ether
Water Quality Objective (WQO):	y	5
Constant:	b	2.09E+03
Constant:	a	-1.45E-04
Starting date for current trend:		9/13/2001

Calculate		
Attenuation Half Life (years):	$(-\ln(2)/a)/365.25$	13.10
Estimated Date to Reach WQO:	$(x = \ln(y/b) / a)$	Jan 2014



Appendix K

Weiss Associates Well Location Map and Table



SITE



0 1/4 1/2 mile

EXPLANATION	
⊙ 40	Location and number of monitoring well listed in Table 1
□ 2	Location and number of cathodic protection well listed in Table 1
◇ 39	Location and number of irrigation well listed in Table 1
◆ 35	Location and number of industrial well listed in Table 1

Figure 4. Wells Within Approximately 1/2 Mile of Chevron Service Station #9-0076, 4265 Foothill Boulevard, Oakland, California

TABLE 1. Wells Within a One-half Mile Radius of Chevron SS #90076, 4265 Foothill Blvd., Oakland, California

Well ID	Owner	Well Location	Date Drilled	Well Use
1	PG&E	S/S Vicksburg 38 ft east of 48th	1975	Cathodic Protection
2	PG&E	39th/Foothill Blvd.	Jan. 1975	Cathodic Protection
3	Craig Levitt	1033 44th Ave.	Oct. 1988	Monitoring
4-6	Peterson Properties	1066 47th Ave.	Mar. 1989	Monitoring
7-12	Clorox Co.	860-42nd Ave.	Aug. 1982 - Oct. 1983	Monitoring
13-16	Commercial Fueling Sys.	4301 San Leandro St.	Oct. 1986	Monitoring
17-23	Clorox Co.	850-42nd St.	Sept. 1986	Monitoring
24-30	Exxon Station #7-3006	720 High St.	Sept. 1987	Monitoring
31-34	B.P. Oil	4280 Foothill Blvd.	April 1989	Monitoring
35	Nat'l Lead Co.	4801 San Leandro St.	1923	Industrial
36-38	Shell Oil Co.	3750 E. 14th Avenue	1990	Monitoring
39	Trust for Public Land	1601 39th Avenue	1977	Irrigation
40	Robert Hekeboll	45th/Coliseum/High St.	1989	Monitoring
