Transmittal

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July 14, 2017

To:	Mark Detterman Alameda County Department of Environmental Health 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502	Ref. No.:	311806
		From:	Kiersten Hoey
		GHD Tel:	510-420-3347

Subject: Former Chevron 93322 Site Investigation Report and Updated Site Conceptual Model
7225 Bancroft Avenue, Oakland
RO#0000274

No. of Copies	Description/Title	Drawing No./ Document Ref.	Issue
1	Site Investigation Report and Updated Site Conceptual Model	40	1

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

Sent by: ☐ Overnight courier ☐ Same day courier ☒ Other: Geotracker and ACEH ftp site

Remarks:

Copy to: Mr. Dave Patten (electronic)
Mr. Dean Najdawi

Completed by: Kiersten Hoey [Please Print] Signed: Kiersten Hoey

Filing: Correspondence File

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

Re: Former Chevron Service Station No. 93322
7225 Bancroft Avenue
Oakland, California
Agency Case RO0000274

I have read and acknowledge the content, recommendations and/or conclusions contained in the attached *Site Investigation Report and Updated Site Conceptual Model* submitted on my behalf to ACDEH's FTP server and the SWRCB's GeoTracker website.

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,

Dave Patten
Project Manager

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

Site Investigation Report and Updated Site Conceptual Model

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

Chevron Environmental Management Company

GHD | 5900 Hollis Street Suite A Emeryville California 94608

311806 | 2016.2 | 04.05 | Report No 40 | June 1 2017

Site Investigation Report and Updated Site Conceptual Model

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

Chevron Environmental Management Company

Jessica Hudnall
Geologist

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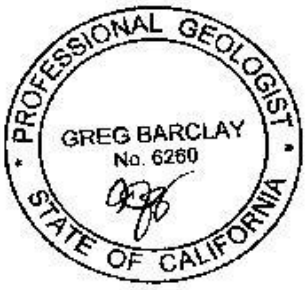
Project Manager

Greg Barclay, PG 6260



GHD | 5900 Hollis Street Suite A Emeryville California 94608

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1. Introduction

GHD is submitting this *Site Investigation Report and Updated Site Conceptual Model* for Former Chevron Service Station 93322 on behalf of Chevron Environmental Management Company (CEMC). The investigation was conducted to further delineate dissolved hydrocarbons, and assess current hydrocarbon concentrations in soil vapor. The investigation was conditionally approved by Alameda County Environmental Health (ACDEH) in their July 1, 2016 letter (Appendix A) and was conducted as outlined in GHD's May 6, 2016 *Site Investigation Report and Updated Site Conceptual Model*.

To further delineate dissolved hydrocarbons, GHD installed two groundwater monitoring wells (MW-11 and MW-12), one onsite near soil boring SB-9 and one offsite in the downgradient direction on Halliday Avenue. To assess current soil vapor concentrations, GHD collected soil vapor samples from four existing vapor probes. Presented below are the site background, site geology, investigation results, updated Site Conceptual Model, conclusions, and recommendations.

2. Site Background

2.1 Site Description

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

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

2.2 Previous Environmental Work

The site has been an open environmental case since 1996 under ACEH jurisdiction (Fuel Leak Case Number RO0000274 and GeoTracker Global ID T0600102079). To date, a total of 12 monitoring wells have been installed, 12 soil borings have been advanced, 4 soil vapor probes have been installed, and 12 confirmatory samples from beneath the product piping have been collected (Figure 2). Groundwater monitoring and sampling has been ongoing since 1998. Remedial activities have included over-excavation of soil during product piping removal and replacement, surfactant injection and extraction, and an absorbent sock has been installed in well MW-1. A summary of previous environmental investigation and remediation is included in Appendix B.

2.3 Site Geology

Sediments in the vicinity consist of Holocene and Pleistocene alluvial fan deposits underlain by Franciscan Formation bedrock. Soils encountered beneath the site generally consist of clays, silts, clayey sands, clayey gravels, silty sands, silty gravels, and well graded gravels to approximately 36 feet below grade (fbg).

2.4 Site Hydrogeology

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

3. Subsurface Investigation

To further delineate the downgradient extent of the dissolved hydrocarbon plume to the northwest, well MW-11 was installed offsite on Halliday Avenue. Onsite well MW-12 was installed in the vicinity of boring SB-9 to monitor dissolved hydrocarbons in the southern corner of the site near the existing USTs.

3.1 Site-Specific Health and Safety Plan

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

3.2 Permits

GHD obtained Alameda County Public Works Agency (ACPWA) drilling permits W2017-0469 to W2017-0470, and City of Oakland excavation permit X1700530, obstruction permits OB1700597, OB1700598 and OB1700599, and minor encroachment permit ENMI16172 to conduct work within the public right-of-way. All permits are included in Appendix C.

3.3 Utility Clearance

Prior to drilling, GHD contacted Underground Service Alert (USA) to mark existing underground utilities near the proposed boring locations. GHD contracted Pacific Coast Locators, Inc. (PCL) of

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

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

La Crescenta, California to verify underground utility locations near the proposed locations. An electro-magnetic transmitter & receiver, a magnetic locator, magnetometer and ground penetrating radar (GPR) were used by PCL to determine utility locations. Prior to drilling, well locations were cleared to 8 fbg with a hand auger.

3.4 Drilling and Well Installation

On June 6 and 7, 2017, Gregg Drilling and Testing Inc. of Martinez, California (C-57 License # 485165) was contracted to install monitoring wells MW-11 and MW-12. GHD personnel managed the drilling under the supervision of California Professional Geologist Brandon Wilken. Standard field procedures for soil boring and monitoring well installation are presented in Appendix D.

3.4.1 Soil Sampling

During advancement of the soil borings, soil samples were collected from MW-11 at 3 fbg and 5 fbg using a 6-inch stainless steel tubes in a slide hammer. Soil samples below 8 fbg were collected using a split spoon sampler lined with 6-inch stainless steel tubes at approximately 5-foot intervals to total boring depth. Soil samples at 3 fbg and 5 fbg from MW-12 were collected from the hand auger bucket using 6-inch stainless steel tubes. A slide hammer was not used at the location of MW-12 due to the close proximity of the storm drain and the potential risk of striking the drain. Soil samples below 8 fbg were collected from an acetate lined direct push sampler. Soil in both well borings was continuously logged using the American Society for Testing and Materials (ASTM) D2488-06 Unified Soil Classification System (USCS) and screened using a photoionization 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.

Clay was encountered in borings MW-11 and MW-12 below the surface fill to a depth of 4 to 6 fbg. Below the clay, a silty sand to sandy silt extended to the bottom of the boring in MW-11 at 35 fbg. Silty sand and silt with sand was encountered in boring MW-12 to a depth of 16 fbg where a three foot thick clay was reported to 19 fbg. Below the clay, sandy silt to silty gravel with sand was encountered to the bottom of the boring at 30 fbg. Groundwater was first encountered in both borings between 26 and 27 fbg within sandy silt. Soils encountered are shown on the boring/well logs in Appendix E.

3.4.2 Monitoring Well Installation

Following borehole clearance to 8 fbg, an 8-inch diameter borehole for well MW-11 was advanced using hollow-stem augers to 35 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 25 to 35 fbg. Monterey #2/12 sand was used to fill the annular space from 35 fbg to approximately 23 fbg, two feet above the screened interval. Approximately 2 feet of hydrated bentonite seal was placed above the sand pack.

Following borehole clearance to 8 fbg, a 3-inch diameter borehole for well MW-12 was advanced using direct push technology (DPT) to 30 fbg. The monitoring well was constructed with 1-inch diameter Schedule 40 PVC and screened with a 0.020-inch factory-machine slotted PVC from 20 to

30 fbg. Monterey #2/12 sand was used to fill the annular space from 30 to 18 fbg. Approximately 2 feet of hydrated bentonite seal was placed above the sand pack. Well MW-12 construction was altered from what was proposed in the May 6, 2016 report due to the close proximity of a storm drain and vent line, and groundwater depth encountered during soil boring advancement. The well diameter was approved by ACDEH prior to the well installation.

Portland II/V cement was placed above the bentonite to approximately to 1 fbg in both MW-11 and MW-12. Traffic rated well vaults were placed at the surface and were set to match the existing grade. Well construction details are shown on the Boring/Well logs included in Appendix E and in Table 1.

3.5 Well Development and Second Quarter 2017 Groundwater Sampling

On June 12, 2017, Blaine Tech Services, Inc. (Blaine Tech) of San Jose, California developed wells MW-11 and MW-12. Well development details are included in Appendix F.

On June 22, 2017, Blaine Tech conducted the second quarter 2017 sampling event; however, they were unable to sample newly installed wells MW-11 and MW-12 and older well MW-7. A car was parked over MW-11 making it inaccessible, and various onsite disturbances created an unsafe environment forcing the Blaine Tech technicians to stop work and leave the site prior to collecting a groundwater sample from wells MW-7 and MW-12. Since sampling could not be conducted during the second quarter, monitoring and sampling will be scheduled during the third quarter 2017, the results of which will be submitted under separate cover. This was communicated to Mark Detterman of ACDEH in an email on June 23, 2017. Cumulative groundwater monitoring and sampling data are presented in Table 2.

3.6 Chemical Analysis - Soil

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

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

Laboratory analytical reports for soil are included in Appendix G and results are presented in Table 3.

3.7 Well Survey

On June 8, 2017, Morrow Surveying, Inc. (Morrow) of West Sacramento, California surveyed geographical coordinates and the top of casing elevation for newly installed monitoring wells MW-11 and MW-12. Survey data is included in Appendix H.

3.8 Waste Disposal

Soil cuttings generated during well and soil boring installation are temporarily stored onsite in sealed and labeled Department of Transportation (DOT) approved 55-gallon drums, awaiting

analytical profile results. Following receipt of the analytical profile, the waste will be transported by licensed waste haulers to a Chevron-approved and state-licensed disposal facility.

4. Soil Vapor Sampling

On June 13, 2017, GHD collected soil vapor samples from existing probes VP-1 through VP-4 using 100 percent laboratory certified 1 liter Summa™ canisters for analyses by TO-15 method and 100 percent laboratory certified Sorbent Tubes and a syringe assembly for analyses by TO-17 method. Prior to collecting samples for TO-15 method analysis, 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 for at least 10 minutes 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 Summa™ canister before sample collection began. The vacuum of the sample Summa™ canister 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 Department of Toxic Substances Control (DTSC) Advisory – Active Soil Gas Investigation guidance document, dated July 2015, leak testing was performed during sampling using laboratory grade helium. The vapor probe vault, probe tubing, and entire sampling train were enclosed in a rigid shroud. The helium concentration inside the shroud was maintained above 30 percent helium and quantified using a helium meter. A minimum of 10 percent helium is needed inside the shroud during sampling for leak detection. After samples were collected, the Summa™ canisters final pressure was measured, capped, packaged and sent to Eurofins Air Toxics Laboratory (ATL) in Folsom, California under chain of custody for analysis.

According to the Department of Toxic Substances Control's (DTSC) July 2015, Advisory – Active Soil Gas Investigations, US EPA Method TO-17 is the preferred analytical method to confirm naphthalene concentrations. Vapor samples collected for TO-17 analysis (for naphthalene) were collected immediately after the Summa™ canisters were disconnected. A leak test was performed on the syringe assembly prior to connecting the sampling equipment to the vapor tubing. The test was performed by inserting the sorbent tube into the tube holder on the 60 cubic centimeter (cc) syringe assembly, turning the valve into the 'off' position, and 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. Approximately 200 cc of vapor sample was collected by pulling and purging the syringe three times to 60 cc and one time to 20 cc. After each sample was collected, the sorbent tube was removed from both the syringe and the probe tubing ends and immediately re-capped. The sample ID, tube number, and sample volume were recorded and the tubes were wrapped in aluminum foil, put on ice and sent to ATL under chain of custody for analysis.

Prior to sampling, the vapor probe tubing was inspected for integrity and the presence of water. If water was observed in the tubing, every effort was made to clear the water from the tubing in order to collect a viable sample. Vapor samples were collected from depths of 5, 7.5 and 10 feet in the vapor probes, with the exception of VP-2, where one sample was collected at 7.5 fbg; samples were unable to be collected from VP-2 at 5 and 10 fbg due to the presence of water in the vapor probe tubing. One duplicate vapor sample was collected from VP-1 at 5 fbg.

4.1 Chemical Analysis

Soil vapor samples were analyzed for the following:

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

Laboratory analytical reports are included in Appendix I and soil vapor data is included in Table 4.

5. Updated Site Conceptual Model (SCM)

Results of the current site investigation are summarized below. These results are considered along with GHD's previously submitted May 6, 2016 *Site Investigation Report and Updated Site Conceptual Model*.

5.1 Light Non-Aqueous Phase Liquid

No LNAPL was noted in recently installed wells MW-11 and MW-12 during well development.

Historically, light non-aqueous phase liquid (LNAPL) was observed in monitoring well MW-1 starting in June 1999 and was detected intermittently with a maximum thickness of 0.74 feet during subsequent monitoring and sampling events through October 2007. No measurable LNAPL had been detected in MW-1 since November 2007, until 0.09 feet of LNAPL was observed in September 2015; however, no LNAPL has been observed in MW-1 during the subsequent seven sampling events (Table 2).

5.2 Petroleum Hydrocarbon Distribution in Soil

During the current investigation, no hydrocarbons were detected in soil collected from offsite boring MW-11 with the exception of 6.6 milligrams per kilogram (mg/kg) TPHg at 30 fbg. Hydrocarbons were detected in soil from onsite boring MW-12 at depths between 15 and 30 fbg; the highest concentrations detected were 240 mg/kg TPHg, 0.24 mg/kg ethylbenzene, and 0.42 mg/kg naphthalene at 25 fbg. Concentrations detected in MW-12 are similar to those detected historically

in adjacent soil boring SB-9. Cumulative soil data are presented in Table 3. Laboratory analytical reports for soil are included in Appendix G.

Hydrocarbons in soil are located primarily between 20 and 30 fbg near MW-1 and the first generation dispenser islands, and in the southern portion of the site downgradient of the current and previous USTs. Hydrocarbons were also detected in shallow from the piping trenches on the east side of the station building (P6, P7, and P8). No hydrocarbons detected in soil between 0 and 10 fbg exceed the Low-Threat Underground Storage Tank Case Closure Policy (LTCP) Table 1[3] criteria for direct exposure on a commercial property, volatilization to outdoor air on a commercial property or for direct exposure risk for utility workers.

5.3 Petroleum Hydrocarbon Distribution in Groundwater

As described above, wells MW-11 and MW-12 were unable to be sampled during the second quarter 2017; however, these wells are scheduled to be sampled during the third quarter 2017. Further evaluation of the extent of dissolved hydrocarbons onsite and offsite will be performed once groundwater analytical data becomes available.

Groundwater monitoring and sampling has been ongoing since 1998. Currently, wells MW-2, MW-3, and MW-7 through MW-10 are sampled semi-annually, and wells MW-1 and MW-4 through MW-6 are sampled quarterly. Recently installed wells MW-11 and MW-12 will be sampled quarterly beginning in the third quarter of 2017. The first quarter 2017 groundwater analytical results for TPHg, BTEX, and MTBE are summarized in Table 4.2 below. Cumulative monitoring and sampling data are presented in Table 2. Monitoring well construction details are included in Table 1.

Table 4.2: Hydrocarbon Concentrations in Groundwater – First Quarter 2017

	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
Well ID	Concentrations in micrograms per liter (µg/L)					
WQO	100	1	40	13	20	5
MW-1	**29,000**	**2,800**	**640**	**770**	**3,000**	**34**
MW-2	**-**	-	-	**-**	-	-
MW-3	**9,100**	**1,100**	**50**	**240**	**130**	**90**
MW-4	<100	<1	<1	<1	<1	<1
MW-5	<100	<1	<1	<1	<1	<1
MW-6	**360**	**2**	<1	<1	<1	<1
MW-7	**-**	**-**	-	**-**	**-**	**-**
MW-8	**-**	-	-	-	-	-
MW-9	<100	<1	<1	<1	<1	**0.7 J**

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

Table 4.2: Hydrocarbon Concentrations in Groundwater – First Quarter 2017

	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
Well ID	Concentrations in micrograms per liter (µg/L)					
WQO	100	1	40	13	20	5
MW-10	<100	<1	<1	<1	<1	<1

bold Concentrations detected at or above WQO
WQO Water Quality Objective (Regional Water Quality Control Board, San Francisco Bay Region (RWQCB), Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Interim Final 2016)
-- No Analyzed
J Estimated value ≥ the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)

The residual dissolved-phase hydrocarbon in groundwater extends across the site's majority with the highest concentrations in wells MW-1, MW-2, and MW-3.

5.4 Petroleum Hydrocarbon Distribution in Soil Vapor

On June 13, 2017, GHD collected soil vapor samples from triple nested soil vapor probes VP-1, VP-2, VP-3, and VP-4 from depths of 5, 7.5, and 10 fbg. Samples were not collected at 5 and 10 fbg from VP-2 due to water in the tubing. The table below presents the benzene, ethylbenzene, and naphthalene concentrations detected at each vapor probe location at 5 fbg (depth used for LTCP), with the exception of VP-2 where no sample was collected at 5 fbg due to water in the tubing. Cumulative soil vapor sampling data are presented in Table 4. Laboratory analytical reports are included in Appendix I.

Table 4.3: Benzene, Ethylbenzene, and Naphthalene Concentrations in Soil Vapor at 5 fbg

	Benzene ($\mu g/m^3$)	Ethylbenzene ($\mu g/m^3$)	Naphthalene ($\mu g/m^3$)
LTCP – Soil Gas – Scenario 4, Oxygen <4% – Residential	<85	<1,100	<93
LTCP – Soil Gas – Scenario 4, Oxygen <4% – Commercial	<280	<3,600	<310
LTCP – Soil Gas – Scenario 4, Oxygen >4% – Residential	<85,000	<1,100,000	<93,000
LTCP – Soil Gas – Scenario 4, Oxygen >4% – Commercial	<280,000	<3,600,000	<310,000
VP-1 (06/13/2017; 1.5% O_2)	4.5	<5.6	<14
VP-2 (7.5 fbg) (06/13/2017; 15% O_2	<3.7	<5.0	<12
VP-3 (06/13/2017; 10% O_2)	<3.6	<4.9	<12
VP-4 (06/13/2017; 2.5% O_2)	<350	<470	<1,100

Vapor probes VP-1, VP-2, and VP-3 are located along the downgradient property boundary adjacent to the residential home. Benzene was detected in VP-1 at 4.5 micrograms per cubic meter ($\mu g/m^3$); however, this concentration is below the LTCP Scenario 4 residential criteria. No ethylbenzene or naphthalene were detected in the three probes. This data and previous data collected from the three probes indicates there is no potential risk of vapor intrusion to the downgradient residential home.

Vapor probe VP-4 is located upgradient of VP-1, VP-2, and VP-3 in the source area adjacent to MW-1. Oxygen in the 5 fbg sample from VP-4 was less than 4%, indicating no bioattenuation zone at this location. No benzene, ethylbenzene, or naphthalene were detected. Although detection limits are higher than the LTCP Scenario 4 criteria, this is an active service station and the probe is located in the source area.

Helium was detected in VP-4 at 7.5 fbg at 0.41%, indicating ambient air entered the sampling container. No helium was detected in the other samples indicating there were no leaks during the sampling and the data are valid.

6. Conclusions and Recommendations

6.1 Conclusions

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

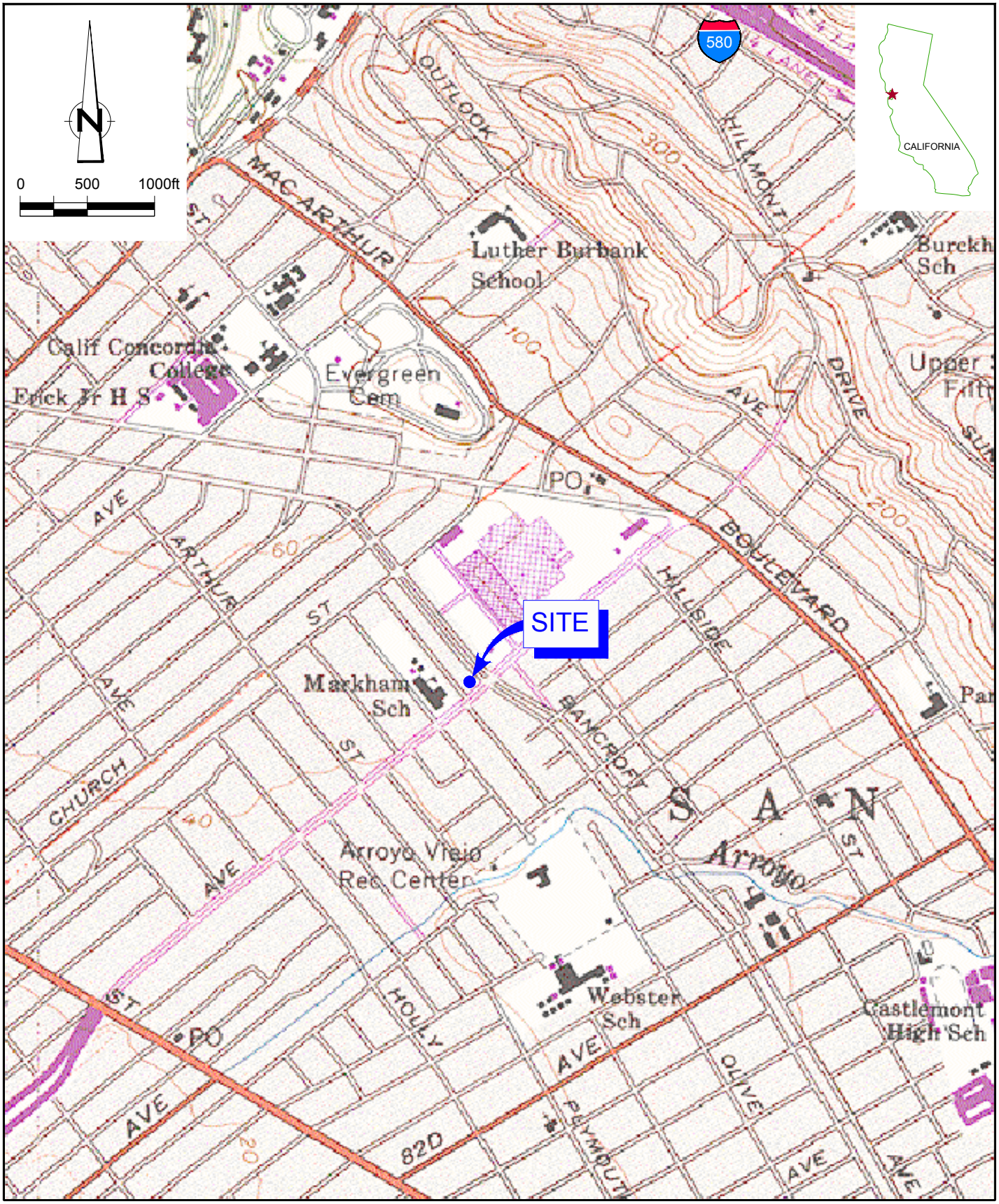
- Hydrocarbons detected in soil from boring MW-12 are similar to those previously detected in adjacent boring SB-9 (Table 2).
- Hydrocarbons in soil are primarily detected in saturated soil between 15 and 30 fbg with the historical maximum concentrations of 4,400 mg/kg TPHg and 16 mg/kg benzene detected at 29.5 fbg in SB-13, located adjacent to well MW-1 (Table 2).
- Concentrations in shallow soil beneath the site do not exceed direct exposure or volatilization to outdoor air criteria for soils within 10 fbg, as outlined in the LTCP Table 1.3. Therefore, no direct exposure pathway health risks exist.
- Soil vapor concentrations reported in onsite vapor probes VP-1, VP-2, and VP-3 do not exceed the Scenario 4 LTCP criteria for residential and commercial land use, suggesting there appears to be no potential risk to the adjacent residences.

6.2 Recommendations

Based on the above, the following work is recommended:

- Collect groundwater samples from site wells, including recently installed wells MW-11 and MW-12, during the third quarter 2017 groundwater monitoring and sampling event to further assess the extent of the dissolved hydrocarbon plume.
- Based on data collected during seven soil vapor sampling events, there appears to be no potential risk to adjacent residences, therefore no additional vapor sampling is recommended.

Figures



SOURCE: TOPO! MAPS

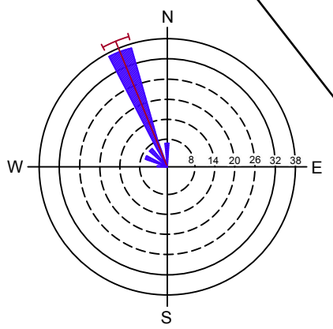
FORMER CHEVRON SERVICE STATION 93322
7225 BANCROFT AVENUE
OAKLAND, CALIFORNIA

311806-2016.2
Jun 22, 2017

VICINITY MAP

FIGURE 1

CAD File: 311806-2016.2(040)GN-SO001.DWG



HISTORICAL GROUNDWATER
FLOW DIRECTION
(2000 - 2017)

RESIDENTIAL

RESIDENTIAL

RESIDENTIAL

RESIDENTIAL

FENCELINE

BANCROFT AVENUE

HALLIDAY AVENUE

73rd AVENUE

MW-11

MW-10

MW-9

MW-4

MW-5

MW-6

MW-3

MW-1

MW-8

MW-7

MW-2

MW-12

VP-1

VP-2

VP-3

VP-4

B-1

B-2

SB-4

SB-5

SB-6

SB-7

SB-8

SB-9

SB-10

SB-11

SB-12

SB-13

P1

P2

P3

P4

P5

P6

P7

P8

P9

P10

P11

P12

DISPENSER
ISLANDS

RESTROOMS

STATION
BUILDING

USTs

PLANTER

PLANTER

PLANTER

PLANTER

FORMER
CANOPY

FORMER
DISPENSER
ISLANDS (1981)

FORMER
STATION
BUILDING (1981)

FORMER
USTs
(1981)

LEGEND

MW-1 ● MONITORING WELL LOCATION (1998, 1999, 2002, 2017)

P1 ⊠ SOIL SAMPLE LOCATION (1996)

SB-4, B-1 ■ SOIL BORING LOCATION (2000)

SB-11 ◪ SOIL BORING LOCATION (2016)

VP-1 ▲ VAPOR PROBE LOCATION (2005)

PRODUCT PIPING EXCAVATION (1997)

SOURCE: MORROW SURVEYING REPORTED DATED 6/8/17.

0 10 30ft

COORDINATE SYSTEM:
CALIFORNIA STATE PLANE
ZONE 3

GHD

FORMER CHEVRON SERVICE STATION 93322
7225 BANCROFT AVENUE
OAKLAND, CALIFORNIA

311806-2016.2

Jul 6, 2017

SITE PLAN

FIGURE 2

CAD File: I:\Sonoma.Public\CAD\drawings\311000s\311806-7225 Bancroft Ave, Oakland\311806-REPORTS\311806-2016.2(040)GN\311806-2016.2(040)GN-SO002.DWG

Tables

Table 1

Monitoring Well Construction Detail
Former Chevron Service Station 93322
7225 Bancroft Avenue
Oakland, California

Well ID	Date Installed	Consultant	Well Casing Diameter (inches)	Depth (fbg)	Screen Interval (fbg)	Top of Casing (msl)	Top of Screen	Length of Screen
MW-1	01/22/98	Gettler-Ryan	2	36.5	14.0-34.0	37.40	14	20
MW-2	01/22/98	Gettler-Ryan	2	31.5	10.5-30.5	35.72	10.5	20
MW-3	01/22/98	Gettler-Ryan	2	34.5	13.5-33.5	36.53	13.5	20
MW-4	01/22/99	Gettler-Ryan	2	31.5	11.0-31.0	37.29	11	20
MW-5	01/22/99	Gettler-Ryan	2	31.5	11.5-31.5	37.40	11.5	20
MW-6	01/22/99	Gettler-Ryan	2	32.0	12.0-32.0	36.90	12	20
MW-7	07/03/00	Cambria	3/4	25.0	10.0-25.0	36.84	10	15
MW-8	03/13/02	Gettler-Ryan	2	30.0	10.0-30.0	37.21	10	20
MW-9	03/15/02	Gettler-Ryan	2	30.0	10.0-30.0	35.03	10	20
MW-10	03/15/02	Gettler-Ryan	2	30.0	10.0-30.0	35.53	10	20
MW-11	06/06/17	Gettler-Ryan	2	35.0	25.0-35.0	35.27	25	10
MW-12	06/07/17	Gettler-Ryan	1	30.0	20.0-30.0	35.37	20	10

Notes:

fbg = Feet below grade
msl = mean sea level

Table 2

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

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

Table 2

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

							HYDROCARBONS	PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPL T	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-1	02/10/2004[7]	37.40	13.51	23.89	0.00	0.00	51,000	4,800	1,700	760	6,400	20	-	-	-	-	-	-
MW-1	05/11/2004[7]	37.40	14.35	23.05	0.00	0.00	80,000	13,000	6,500	2,800	14,000	61	-	-	-	-	-	-
MW-1	08/10/2004[7]	37.40	16.80	20.61	0.01	0.00	100,000	14,000	8,700	3,200	17,000	<25	-	-	-	-	-	-
MW-1	11/08/2004	37.40	15.63	21.89	0.15	1.30[4]	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/21/2005	37.40	11.84	25.98	0.52	0.60[4]	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/10/2005	37.40	11.49	26.11	0.25	1.11[4]	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/12/2005	37.40	14.44	22.98	0.03	1.01[4]	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	11/11/2005	37.40	18.58	19.13	0.39	0.75[4]	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/20/2006	37.40	12.66	25.33	0.74	0.25[4]	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/12/2006	37.40	10.71	26.92	0.29	0.05[4]	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	08/14/2006	37.40	15.82	21.78	0.25	0.02[4]	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	11/08/2006	37.40	18.49	19.21	0.38	0.55[4]	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/07/2007	37.40	15.48	21.98	0.08	0.06[10]	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/07/2007	37.40	4.83	32.77	0.25	0.39[4]	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	08/03/2007	37.40	18.06	19.76	0.52	0.52[4]	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	10/12/2007	37.40	19.29	18.13	0.03	0.16[4]	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	11/02/2007[7]	37.40	19.18	18.22	0.00	0.00	140,000	9,800	9,500	4,100	20,000	<10	-	-	-	-	-	-
MW-1	12/07/2007[7]	37.40	19.06	18.34	0.00	0.00	130,000	11,000	11,000	3,800	20,000	10	-	-	-	-	-	-
MW-1	02/01/2008[7]	37.40	13.45	23.95	0.00	0.00	61,000	2,200	2,000	2,000	10,000	11	-	-	-	-	-	-
MW-1	05/09/2008[7]	37.40	15.10	22.30	0.00	0.00	81,000	13,000	10,000	3,500	18,000	30	-	-	-	-	-	-
MW-1	08/22/2008[7]	37.40	18.63	18.77	0.00	0.00	210,000	13,000	8,800	7,300	37,000	<50	-	-	-	-	-	-
MW-1	11/26/2008[7]	37.40	20.09	17.31	0.00	0.00	68,000	15,000	9,100	3,600	17,000	<25	-	-	-	-	-	-
MW-1	05/20/2009	37.40	19.48	17.92	0.00	0.00	58,000	11,000	12,000	15,000	59,000	<50	-	<5,000	-	-	-	-
MW-1	08/26/2009	37.40	19.06	18.34	0.00	0.00	340,000	17,000	13,000	8,000	43,000	<25	-	<2,500	-	-	-	-
MW-1	11/12/2009	37.40	17.72	19.68	0.00	0.00	140,000	16,000	10,000	4,400	23,000	<10	-	<1,000	-	-	-	-

Table 2

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

							HYDROCARBONS	PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPL T	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-1	02/01/2010	37.40	12.80	24.60	0.00	0.00	110,000	7,100	6,100	4,000	20,000	7 J	-	<500	-	-	-	-
MW-1	05/17/2010	37.40	11.14	26.26	0.00	0.00	75,000	7,200	3,600	2,700	12,000	31	-	<500	-	-	-	-
MW-1	08/26/2010	37.40	15.40	22.00	0.00	0.00	96,000	12,000	5,400	3,600	16,000	59	-	<500	-	-	-	-
MW-1	11/11/2010	37.40	17.70	19.70	0.00	0.00	120,000	13,000	6,600	2,700	13,000	26	-	<1,000	-	-	-	-
MW-1	02/10/2011	37.40	13.03	24.37	0.00	0.00	52,000	7,100	3,800	2,800	12,000	25	-	<1,000	-	-	-	-
MW-1	06/17/2011	37.40	12.35	25.05	0.00	0.00	30,000	3,600	940	1,000	3,200	52	-	<500	-	-	-	-
MW-1	09/08/2011	37.40	15.68	21.72	0.00	0.00	98,000	13,000	6,600	3,700	14,000	59	-	<1,000	-	-	-	-
MW-1	12/16/2011	37.40	16.47	20.93	0.00	0.00	140,000	14,000	6,500	2,900	12,000	47 J	-	<2,500	-	-	-	-
MW-1	03/02/2012	37.40	16.55	20.85	0.00	0.00	130,000	14,000	7,400	3,100	14,000	31	-	<1,000	-	-	-	-
MW-1	06/08/2012	37.40	14.11	23.29	0.00	0.00	120,000	8,900	2,900	2,600	11,000	86	-	<500	-	-	-	-
MW-1	09/14/2012	37.40	18.10	19.30	0.00	0.00	280,000	18,000	8,200	4,600	22,000	74	-	<2,500	110 J	<25	<25	<25
MW-1	12/21/2012	37.40	13.61	23.79	0.00	0.00	120,000	12,000	6,800	3,000	15,000	<100	-	<10,000	-	-	-	-
MW-1	04/01/2013	37.40	15.63	21.77	0.00	0.00	120,000	15,000	8,200	4,400	18,000	77	-	<250	-	-	-	-
MW-1	6/28/2013	37.40	17.34	20.06	0.00	0.00	130,000	16,000	10,000	3,500	17,000	34	-	<500	-	-	-	-
MW-1	9/20/2013	37.40	19.21	18.19	0.00	0.00	130,000	19,000	12,000	4,000	19,000	27	-	<1,000	-	-	-	-
MW-1	12/30/2013	37.40	20.72	16.68	0.00	0.00	140,000	18,000	13,000	6,600	34,000	21	-	<1,000	-	-	-	-
MW-1	03/31/2014	37.40	15.78	21.62	0.00	0.00	130,000	17,000	8,600	3,500	17,000	<25	-	<2,500	-	-	-	-
MW-1	06/30/2014	37.40	17.34	20.06	0.00	0.00	90,000	12,000	7,400	2,800	14,000	21	-	<1,000	-	-	-	-
MW-1	09/22/2014	37.40	20.31	17.09	0.00	0.00	120,000	14,000	9,600	4,000	19,000	28 J	-	<2,500	-	-	-	-
MW-1	12/23/2014	37.40	13.75	23.65	0.00	0.00	93,000	8,900	5,700	3,400	15,000	11 J	-	<1,000	-	-	-	-
MW-1	03/05/2015	37.40	15.96	21.44	0.00	0.00	110,000	9,600	4,100	4,000	19,000	54	-	<100	-	-	-	-
MW-1	06/23/2015	37.40	18.61	18.79	0.00	0.00	100,000	14,000	8,700	4,100	20,000	<50	-	<5,000	<200	<50	<50	<50
MW-1	09/23/2015[15,**]	37.40	21.46	16.01	0.09	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	12/29/2015	37.40	18.76	18.64	0.00	0.00	84,000	7,800	5,200	2,200	10,000	-	-	<2,500	-	-	-	-
MW-1	03/29/2016	37.40	12.30	25.10	0.00	0.00	48,000	4,200	1,400	1,100	5,100	33	-	<2,500	84	<10	<10	<10

Table 2

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Former Chevron Service Station 93322
7225 Bancroft Avenue
Oakland, California

							HYDROCARBONS	PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPL T	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-1	07/14/2016	37.40	18.36	19.04	0.00	0.00	100,000	12,000	6,100	2,600	12,000	23	-	<2,500	-	-	-	-
MW-1	09/28/2016	37.40	21.02	16.38	0.00	0.00	97,000	14,000	7,000	2,900	14,000	17 J	-	<5,000	170	<20	<20	<20
MW-1	12/29/2016	37.40	15.03	22.37	0.00	0.00	59,000	2,000	1,000	1,200	6,000	<100	-	<25,000	-	-	-	-
MW-1	**03/07/2017[17]**	**37.40**	**9.86**	**27.54**	**0.00**	**0.00**	**29,000**	**2,800**	**640**	**770**	**3,000**	**34**	**-**	**<5,000**	**-**	**-**	**-**	**-**
MW-2	02/08/1998	38.73	7.60	31.13	0.00	0.00	24,000	130	170	450	1,900	-	2,300	-	-	-	-	-
MW-2	06/16/1998	38.73	9.12	29.61	0.00	0.00	8,900	31	46	310	1,100	-	260	-	-	-	-	-
MW-2	07/29/1998	38.73	11.67	27.06	0.00	0.00	7,600	15	21	150	480	-	82	-	-	-	-	-
MW-2	08/13/1998	38.73	12.41	26.32	0.00	0.00	14,000	26	80	500	2,100	-	32	-	-	-	-	-
MW-2	11/24/1998	38.73	15.63	23.10	0.00	0.00	37,000	63	220	1,300	7,100	-	770	-	-	-	-	-
MW-2	02/03/1999	38.73	11.57	27.16	0.00	0.00	16,000	140	110	850	3,100	-	900	-	-	-	-	-
MW-2	06/07/1999	38.73	10.95	27.78	0.00	0.00	4,300	<10	<10	120	260	-	160	-	-	-	-	-
MW-2	09/07/1999	38.73	12.73	26.00	0.00	0.00	10,700	50.5	<25	297	1,020	-	<250	-	-	-	-	-
MW-2	10/27/1999	38.73	12.71	26.02	0.00	0.00	7,240	53.8	31.9	234	654	-	448	-	-	-	-	-
MW-2	02/08/2000	38.73	10.14	28.59	0.00	0.00	10,100	42.9	18.4	424	1,480	-	206	-	-	-	-	-
MW-2	05/05/2000	38.73	10.12	28.61	0.00	0.00	7,800[2]	34	22	320	1,100	-	170	-	-	-	-	-
MW-2	07/28/2000	38.73	12.57	26.16	0.00	0.00	6,700[2]	40	13	490	540	-	190	-	-	-	-	-
MW-2	11/26/2000	38.73	11.90	26.83	0.00	0.00	8,200[2]	21	9.5	400	1,100	-	120	-	-	-	-	-
MW-2	02/09/2001	38.73	12.20	26.53	0.00	0.00	11,200[3]	<50.0	<50.0	629	1,380	-	282	-	-	-	-	-
MW-2	05/11/2001	38.73	8.98	29.75	0.00	0.00	6,800[2]	39	19	370	1,100	-	67	-	-	-	-	-
MW-2	08/30/2001	38.73	12.90	25.83	0.00	0.00	17,000	67	<25	750	2,100	-	360	-	-	-	-	-
MW-2	11/21/2001	38.73	13.12	25.61	0.00	0.00	3,500	14	<5.0	100	51	-	610	-	-	-	-	-
MW-2	02/05/2002	38.73	8.35	30.38	0.00	0.00	10,000	5.5	<10	330	960	-	63	-	-	-	-	-
MW-2	04/01/2002	35.72	7.81	27.91	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	08/05/2002	35.72	15.91	19.81	0.00	0.00	8,800	18	8.2	220	630	-	220	-	-	-	-	-

Table 2

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7225 Bancroft Avenue
Oakland, California

							HYDROCARBONS	PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPL T	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-2	11/04/2002	35.72	14.14	21.58	0.00	0.00	14,000	28	10	670	1,600	-	440	-	-	-	-	-
MW-2	02/03/2003	35.72	10.00	25.72	0.00	0.00	7,200	6.2	2.7	140	430	-	50	-	-	-	-	-
MW-2	05/02/2003	35.72	8.31	27.41	0.00	0.00	12,000	<20	3.9	350	1,500	-	150	-	-	-	-	-
MW-2	08/01/2003[7]	35.72	12.66	23.06	0.00	0.00	12,000	14	4	330	730	140	-	-	-	-	-	-
MW-2	11/21/2003[7]	35.72	12.67	23.05	0.00	0.00	15,000	13	4	400	1,500	100	-	-	-	-	-	-
MW-2	02/10/2004[7]	35.72	5.20	30.52	0.00	0.00	17,000	9	3	420	1,600	72	-	-	-	-	-	-
MW-2	05/11/2004[7]	35.72	9.83	25.89	0.00	0.00	4,800	1	0.6	140	440	81	-	-	-	-	-	-
MW-2	08/10/2004[7]	35.72	11.81	23.91	0.00	0.00	11,000	8	1	340	1,100	35	-	-	-	-	-	-
MW-2	11/08/2004[7]	35.72	11.59	24.13	0.00	0.00	11,000	6	2	260	810	25	-	-	-	-	-	-
MW-2	01/11/2005	-	-	-	-	-	4,500	4	1	120	310	7	-	-	-	-	-	-
MW-2	02/21/2005[7]	35.72	7.74	27.98	0.00	0.00	16,000	5	2	500	1,700	10	-	-	-	-	-	-
MW-2	05/10/2005[7]	35.72	8.11	27.61	0.00	0.00	8,400	3	<1	290	750	6	-	-	-	-	-	-
MW-2	08/12/2005[7]	35.72	11.32	24.40	0.00	0.00	5,800	4	0.7	150	370	30	-	-	-	-	-	-
MW-2	11/11/2005[7]	35.72	12.58	23.14	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	02/20/2006[7]	35.72	7.41	28.31	0.00	0.00	5,700	1	<0.5	190	380	0.7	-	-	-	-	-	-
MW-2	05/12/2006[7]	35.72	7.02	28.70	0.00	0.00	9,100	2	<0.5	210	440	1	-	-	-	-	-	-
MW-2	08/14/2006[7]	35.72	11.38	24.34	0.00	0.00	2,400	2	<0.5	42	98	20	-	-	-	-	-	-
MW-2	11/08/2006[7]	35.72	13.42	22.30	0.00	0.00	5,700	4	0.9	87	190	7	-	-	-	-	-	-
MW-2	02/07/2007[7]	35.72	11.98	23.74	0.00	0.00	5,500	9	2	85	120	7	-	-	-	-	-	-
MW-2	05/07/2007[7]	35.72	11.22	24.50	0.00	0.00	8,700	1	<0.5	150	330	5	-	-	-	-	-	-
MW-2	08/03/2007[7]	35.72	17.19	18.53	0.00	0.00	2,600	<0.5	<0.5	10	28	2	-	-	-	-	-	-
MW-2	10/12/2007[7]	35.72	14.89	20.83	0.00	0.00	9,300	7	0.6	100	120	4	-	-	-	-	-	-
MW-2	11/02/2007[7]	35.72	15.58	20.14	0.00	0.00	11,000	3	0.7	220	590	2	-	-	-	-	-	-
MW-2	12/07/2007[7]	35.72	19.29	16.43	0.00	0.00	9,500	3	<1	210	480	2	-	-	-	-	-	-
MW-2	02/01/2008[7]	35.72	8.76	26.96	0.00	0.00	8,100	2	0.7	190	440	4	-	-	-	-	-	-

Table 2

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

							HYDROCARBONS	PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPL T	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-2	05/09/2008[7]	35.72	11.22	24.50	0.00	0.00	4,000	1	<0.5	98	110	3	-	-	-	-	-	-
MW-2	08/22/2008[7]	35.72	13.87	21.85	0.00	0.00	9,600[12]	1	<0.5	230	360	0.9	-	-	-	-	-	-
MW-2	11/26/2008[7]	35.72	17.48	18.24	0.00	0.00	13,000	9	1	340	570	3	-	-	-	-	-	-
MW-2	05/20/2009	35.72	10.70	25.02	0.00	0.00	12,000	3	<1	250	290	2 J	-	<130	-	-	-	-
MW-2	08/26/2009	35.72	12.98	22.74	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	11/12/2009	35.72	12.13	23.59	0.00	0.00	14,000	3	0.8 J	180	250	13	-	<50	-	-	-	-
MW-2	05/17/2010	35.72	11.96	23.76	0.00	0.00	3,300	<0.5	<0.5	36	34	3	-	<50	-	-	-	-
MW-2	08/26/2010[11]	35.72	12.10	23.62	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	11/11/2010	35.72	13.72	22.00	0.00	0.00	9,000	6	1 J	61	30	5	-	<50	-	-	-	-
MW-2	02/10/2011[13]	35.72	9.46	26.26	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	06/17/2011	35.72	8.68	27.04	0.00	0.00	9,300	3	<1	92	55	4	-	<100	-	-	-	-
MW-2	09/08/2011	35.72	9.69	26.03	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/16/2011	35.72	12.18	23.54	0.00	0.00	5,700	1	<0.5	36	19	<0.5	-	<50	-	-	-	-
MW-2	03/02/2012[13]	35.72	12.09	23.63	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	06/08/2012	35.72	11.08	24.64	0.00	0.00	5,600	<5	<5	48	24	<5	-	<500	-	-	-	-
MW-2	09/14/2012[13]	35.72	13.57	22.15	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/21/2012	35.72	8.52	27.20	0.00	0.00	3,100	<5	<5	23	12	<5	-	<500	-	-	-	-
MW-2	04/01/2013[13]	35.72	11.90	23.82	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	06/28/2013	35.72	13.61	22.11	0.00	0.00	6,700	2	<0.5	36	9	<0.5	-	<50	-	-	-	-
MW-2	09/20/2013[13]	35.72	14.02	21.70	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/30/2013	35.72	14.68	21.04	0.00	0.00	7,700	4	0.8 J	31	6	0.7 J	-	<50	-	-	-	-
MW-2	03/31/2014[13]	35.72	11.59	24.13	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	06/30/2014	35.72	13.12	22.60	0.00	0.00	8,200	2	0.6 J	59	9	1	-	<50	-	-	-	-
MW-2	09/22/2014[13]	35.72	15.20	20.52	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/23/2014	35.72	7.90	27.82	0.00	0.00	4,600	0.8 J	<0.5	20	4	2	-	<50	-	-	-	-

Table 2

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

							HYDROCARBONS	PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPL T	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-2	03/05/2015[13]	35.72	10.70	25.02	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	06/23/2015	35.72	12.80	22.92	0.00	0.00	8,400	<3	<3	60	7	<3	-	<250	<10	<3	<3	<3
MW-2	09/23/2015[13]	35.72	15.42	20.30	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/29/2015	35.72	10.74	24.98	0.00	0.00	5,200	0.6 J	<0.5	15	3	-	-	<50	-	-	-	-
MW-2	03/29/2016[11]	35.72	7.50	28.22	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	07/14/2016	35.72	12.35	23.37	0.00	0.00	710	<1	<1	<1	<1	<1	-	<250	-	-	-	-
MW-2	09/28/2016[13]	35.72	13.90	21.82	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/29/2016	35.72	8.90	26.82	0.00	0.00	6,500	<10	<10	13	<10	<10	-	<2,500	-	-	-	-
MW-2	**03/07/2017[13]**	**35.72**	**5.57**	**30.15**	**0.00**	**0.00**	**-**	**-**	**-**	**-**	**-**	**-**	**<**	**-**	**-**	**-**	**-**	**-**
MW-3	02/08/1998	39.51	14.60	24.91	0.00	0.00	94,000	12,000	4,400	2,000	10,000	-	8,000	-	-	-	-	-
MW-3	06/16/1998	39.51	13.98	25.53	0.00	0.00	38,000	5,600	1,400	1,200	4,700	-	4,600[1]/6,300	-	-	-	-	-
MW-3	07/29/1998	39.51	17.37	22.14	0.00	0.00	58,000	4,100	700	1,300	4,200	-	4,100	-	-	-	-	-
MW-3	08/13/1998	39.51	18.22	21.29	0.00	0.00	43,000	6,800	1,900	1,600	6,800	-	2,300	-	-	-	-	-
MW-3	11/24/1998	39.51	20.45	19.06	0.00	0.00	40,000	5,000	800	1,600	6,800	-	6,000/4,400[1]	-	-	-	-	-
MW-3	02/03/1999	39.51	17.48	22.03	0.00	0.00	47,000	7,100	1,600	1,900	9,000	-	5,000	-	-	-	-	-
MW-3	06/07/1999	39.51	15.75	23.76	0.00	0.00	27,000	2,500	540	1,200	3,900	-	2,800	-	-	-	-	-
MW-3	09/07/1999	39.51	19.71	19.80	0.00	0.00	44,000	3,930	1,170	1,760	7,130	-	3,440	-	-	-	-	-
MW-3	10/27/1999	39.51	20.42	19.09	0.00	0.00	28,200	2,030	620	1,260	5,080	-	1,710	-	-	-	-	-
MW-3	02/08/2000	39.51	17.75	21.76	0.00	0.00	25,300	2,000	668	1,210	5,330	-	1,760	-	-	-	-	-
MW-3	05/05/2000	39.51	15.64	23.87	0.00	0.00	27,000[2]	2,600	960	1,500	5,200	-	2,500	-	-	-	-	-
MW-3	07/28/2000	39.51	18.23	21.28	0.00	0.00	7,400[2]	950	360	840	3,200	-	1,700	-	-	-	-	-
MW-3	11/26/2000	39.51	19.38	20.13	0.00	0.00	20,000[2]	1,800	690	1,400	5,500	-	1,600	-	-	-	-	-
MW-3	02/09/2001	39.51	17.72	21.79	0.00	0.00	31,200[3]	1,980	<50.0	1,770	7,220	-	2,170	-	-	-	-	-
MW-3	05/11/2001	39.51	14.65	24.86	0.00	0.00	18,000[2]	3,000	780	1,600	5,500	-	1,800	-	-	-	-	-

Table 2

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

							HYDROCARBONS	PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPL T	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-3	08/30/2001	39.51	19.35	20.16	0.00	0.00	9,400	570	180	610	1,900	-	880	-	-	-	-	-
MW-3	11/21/2001	39.51	20.04	19.47	0.00	0.00	29,000	1,100	450	1,500	6,100	-	1,200	-	-	-	-	-
MW-3	02/05/2002	39.51	14.09	25.42	0.00	0.00	16,000	820	210	830	2,400	-	1,100	-	-	-	-	-
MW-3	04/01/2002	36.53	12.21	24.32	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	08/05/2002	36.53	14.31	22.22	0.00	0.00	11,000	310	92	380	820	-	830	-	-	-	-	-
MW-3	11/04/2002	36.53	19.03	17.50	0.00	0.00	32,000	1,900	540	1,800	5,900	-	1,500	-	-	-	-	-
MW-3	02/03/2003	36.53	13.95	22.58	0.00	0.00	19,000	1,100	240	920	2,900	-	1,100	-	-	-	-	-
MW-3	05/02/2003	36.53	13.07	23.46	0.00	0.00	18,000	1,200	270	1,100	2,500	-	1,400	-	-	-	-	-
MW-3	08/01/2003[7]	36.53	16.31	20.22	0.00	0.00	7,700	300	79	410	820	780	-	-	-	-	-	-
MW-3	11/21/2003[7]	36.53	17.89	18.64	0.00	0.00	7,600	270	100	470	1,300	700	-	-	-	-	-	-
MW-3	02/10/2004[7]	36.53	13.06	23.47	0.00	0.00	3,800	250	28	170	300	650	-	-	-	-	-	-
MW-3	05/11/2004[7]	36.53	13.73	22.80	0.00	0.00	1,200	60	9	76	62	530	-	-	-	-	-	-
MW-3	08/10/2004[7]	36.53	16.09	20.44	0.00	0.00	1,600	70	9	86	62	500	-	-	-	-	-	-
MW-3	11/08/2004[7]	36.53	15.11	21.42	0.00	0.00	4,800	280	37	260	400	760	-	-	-	-	-	-
MW-3	02/21/2005[7]	36.53	11.45	25.08	0.00	0.00	450	0.8	<0.5	0.7	<0.5	200	-	-	-	-	-	-
MW-3	05/10/2005[7]	36.53	10.26	26.27	0.00	0.00	220	<0.5	<0.5	<0.5	<0.5	250	-	-	-	-	-	-
MW-3	08/12/2005[7]	36.53	16.42	20.11	0.00	0.00	2,800	94	32	150	390	370	-	-	-	-	-	-
MW-3	11/11/2005[7]	36.53	17.59	18.94	0.00	0.00	3,800	140	46	230	430	440	-	-	-	-	-	-
MW-3	02/20/2006[7]	36.53	11.92	24.61	0.00	0.00	390	4	0.9	5	4	290	-	-	-	-	-	-
MW-3	05/12/2006[7]	36.53	9.38	27.15	0.00	0.00	1,100	2	<0.5	3	2	91	-	-	-	-	-	-
MW-3	08/14/2006[7]	36.53	14.68	21.85	0.00	0.00	170	<0.5	<0.5	<0.5	0.8	21	-	-	-	-	-	-
MW-3	11/08/2006[7]	36.53	17.43	19.10	0.00	0.00	1,900	83	17	120	130	100	-	-	-	-	-	-
MW-3	02/07/2007[7]	36.53	15.07	21.46	0.00	0.00	7,400	340	42	310	530	170	-	-	-	-	-	-
MW-3	05/07/2007[7]	36.53	13.32	23.21	0.00	0.00	1,200	7	<0.5	5	6	17	-	-	-	-	-	-
MW-3	08/03/2007[7]	36.53	17.05	19.48	0.00	0.00	740	44	2	12	9	77	-	-	-	-	-	-

Table 2

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

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

Table 2

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

							HYDROCARBONS	PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPL T	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-3	06/30/2014[13]	36.53	16.82	19.71	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	09/22/2014	36.53	19.63	16.90	0.00	0.00	12,000	770	36	280	120	97	-	<100	-	-	-	-
MW-3	12/23/2014[13]	36.53	13.90	22.63	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	03/05/2015	36.53	14.93	21.60	0.00	0.00	13,000	1,500	70	430	280	200	-	<250	-	-	-	-
MW-3	06/23/2015[13]	36.53	17.95	18.58	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	09/23/2015	36.53	20.88	15.65	0.00	0.00	16,000	1,300	49	360	140	130	-	<500	-	-	-	-
MW-3	12/29/2015[11]	36.53	18.92	17.61	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	03/29/2016	36.53	12.67	23.86	0.00	0.00	12,000	1,600	69	300	170	170	-	<5,000	170	<20	<20	64
MW-3	07/14/2016[13]	36.53	17.86	18.67	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	09/28/2016	36.53	20.38	16.15	0.00	0.00	3,500	180	7	<5	12	19	-	<1,300	70	<5	<5	<5
MW-3	12/29/2016[13]	36.53	15.01	21.52	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	**03/07/2017**	**36.53**	**10.40**	**26.13**	**0.00**	**0.00**	**9,100**	**1,100**	**50**	**240**	**130**	**90**	**-**	**<2,500**	**-**	**-**	**-**	**-**
MW-4	02/02/1999	40.24	13.17	27.07	0.00	0.00	<50	0.52	<0.5	<0.5	<0.5	-	6.0	-	-	-	-	-
MW-4	06/07/1999	40.24	16.41	23.83	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-
MW-4	09/07/1999	40.24	20.90	19.34	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	<5.0	-	-	-	-	-
MW-4	10/27/1999	40.24	21.59	18.65	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-
MW-4	02/08/2000	40.24	17.16	23.08	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	<5.0	-	-	-	-	-
MW-4	05/05/2000	40.24	16.02	24.22	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-
MW-4	07/28/2000	40.24	19.12	21.12	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-
MW-4	11/26/2000	40.24	19.92	20.32	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-
MW-4	02/09/2001	40.24	17.45	22.79	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	-	<2.50	-	-	-	-	-
MW-4	05/11/2001	40.24	15.02	25.22	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-
MW-4	08/30/2001	40.24	20.33	19.91	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-
MW-4	11/21/2001	40.24	19.75	20.49	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-

Table 2

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

							HYDROCARBONS	PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPL T	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-4	02/05/2002	40.24	14.06	26.18	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-
MW-4	04/01/2002	37.29	12.06	25.23	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	08/05/2002	37.29	17.05	20.24	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-
MW-4	11/04/2002	37.29	19.73	17.56	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-
MW-4	02/03/2003	37.29	14.05	23.24	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-
MW-4	05/02/2003	37.29	12.85	24.44	0.00	0.00	<50	<0.5	<0.5	<0.5	<1.5	-	<2.5	-	-	-	-	-
MW-4	08/01/2003[7]	37.29	16.94	20.35	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-4	11/21/2003[7]	37.29	18.15	19.14	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-4	02/10/2004[7]	37.29	13.02	24.27	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	-	-	-	-	-
MW-4	05/11/2004[7]	37.29	14.15	23.14	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-4	08/10/2004[7]	37.29	16.47	20.82	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-4	11/08/2004[7]	37.29	14.86	22.43	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-4	02/21/2005[7]	37.29	10.76	26.53	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-4	05/10/2005[7]	37.29	10.25	27.04	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	-	-	-	-	-
MW-4	08/12/2005[7]	37.29	15.25	22.04	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-4	11/11/2005[7]	37.29	18.36	18.93	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-4	02/20/2006[7]	37.29	11.59	25.70	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	-	-	-	-	-
MW-4	05/12/2006[7]	37.29	9.87	27.42	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.8	-	-	-	-	-	-
MW-4	08/14/2006[7]	37.29	15.35	21.94	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-4	11/08/2006[7]	37.29	18.28	19.01	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-4	02/07/2007[7]	37.29	15.40	21.89	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-4	05/07/2007[7]	37.29	13.56	23.73	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-4	08/03/2007[7]	37.29	17.70	19.59	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-4	10/12/2007[7]	37.29	19.48	17.81	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-4	11/02/2007[7]	37.29	19.41	17.88	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-

Table 2

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

							HYDROCARBONS	PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPL T	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-4	12/07/2007[7]	37.29	19.45	17.84	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-4	02/01/2008[7]	37.29	13.15	24.14	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-4	05/09/2008[7]	37.29	14.98	22.31	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-4	08/22/2008[7]	37.29	18.67	18.62	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-4	11/26/2008[7]	37.29	20.03	17.26	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-4	05/20/2009	37.29	14.89	22.40	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-4	08/26/2009	37.29	19.29	18.00	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-4	11/12/2009	37.29	17.70	19.59	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-4	02/01/2010	37.29	12.57	24.72	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-4	05/17/2010	37.29	11.15	26.14	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-4	08/26/2010	37.29	15.50	21.79	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-4	11/11/2010	37.29	17.34	19.95	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-4	02/10/2011	37.29	13.01	24.28	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-4	06/17/2011	37.29	12.07	25.22	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-4	09/08/2011	37.29	15.75	21.54	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-4	12/16/2011	37.29	16.80	20.49	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-4	06/08/2012	37.29	14.30	22.99	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-4	06/08/2012	37.29	14.30	22.99	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-4	09/14/2012	37.29	18.10	19.19	0.00	0.00	<50	<0.5	<0.5	<0.5	2	<0.5	-	<50	<2	<0.5	<0.5	<0.5
MW-4	12/21/2012	37.29	13.33	23.96	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-4	04/01/2013	37.29	15.67	21.62	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-4	06/28/2013	37.29	17.47	19.82	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-4	09/20/2013	37.29	19.26	18.03	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-4	12/30/2013	37.29	20.51	16.78	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-4	03/31/2014	37.29	15.50	21.79	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-

Table 2

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Former Chevron Service Station 93322
7225 Bancroft Avenue
Oakland, California

							HYDROCARBONS	PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPL T	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-4	06/30/2014	37.29	17.51	19.78	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-4	09/22/2014	37.29	20.31	16.98	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-4	12/23/2014	37.29	13.53	23.76	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-4	03/05/2015	37.29	15.05	22.24	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-4	06/23/2015	37.29	18.76	18.53	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	<2	<0.5	<0.5	<0.5
MW-4	09/23/2015	37.29	21.43	15.86	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-4	12/29/2015	37.29	18.38	18.91	0.00	0.00	150	<0.5	<0.5	0.6 J	3	-	-	<50	-	-	-	-
MW-4	03/29/2016	37.29	12.13	25.16	0.00	0.00	<100	<1	<1	<1	<1	<1	-	<250	<5	<1	<1	<1
MW-4	07/14/2016	37.29	18.55	18.74	0.00	0.00	90 J	2	1	1	5	<1	-	<250	-	-	-	-
MW-4	09/28/2016	37.29	21.14	16.15	0.00	0.00	<100	<1	<1	<1	<1	<1	-	<250	<5	<1	<1	<1
MW-4	12/29/2016	37.29	15.07	22.22	0.00	0.00	<100	<1	<1	<1	<1	<1	-	<250	-	-	-	-
MW-4	**03/07/2017**	**37.29**	**9.67**	**27.62**	**0.00**	**0.00**	**<100**	**<1**	**<1**	**<1**	**<1**	**<1**	**-**	**<250**	**-**	**-**	**-**	**-**
MW-5	02/02/1999	40.37	18.80	21.57	0.00	0.00	72	2.7	<0.5	<0.5	<0.5	-	11	-	-	-	-	-
MW-5	06/07/1999	40.37	16.98	23.39	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-
MW-5	09/07/1999	40.37	21.13	19.24	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	6.92	-	-	-	-	-
MW-5	10/27/1999	40.37	21.92	18.45	0.00	0.00	<50	2.39	<0.5	<0.5	<0.5	-	21.3	-	-	-	-	-
MW-5	02/08/2000	40.37	18.98	21.39	0.00	0.00	<50	10.6	<0.5	<0.5	<0.5	-	21.7	-	-	-	-	-
MW-5	05/05/2000	40.37	16.89	23.48	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	-	3.8	-	-	-	-	-
MW-5	07/28/2000	40.37	19.49	20.88	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-
MW-5	11/26/2000	40.37	20.69	19.68	0.00	0.00	<50	0.57	<0.50	<0.50	<0.50	-	15	-	-	-	-	-
MW-5	02/09/2001	40.37	18.87	21.50	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	-	9.11	-	-	-	-	-
MW-5	05/11/2001	40.37	15.90	24.47	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-
MW-5	08/30/2001	40.37	20.61	19.76	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	-	9.5	-	-	-	-	-
MW-5	11/21/2001	40.37	21.04	19.33	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	-	7.3	-	-	-	-	-

Table 2

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							HYDROCARBONS	PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPL T	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-5	02/05/2002	40.37	15.21	25.16	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-
MW-5	04/01/2002	37.40	13.45	23.95	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/05/2002	37.40	17.54	19.86	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	-	2.7	-	-	-	-	-
MW-5	11/04/2002	37.40	20.07	17.33	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	-	6.3	-	-	-	-	-
MW-5	02/03/2003	37.40	15.03	22.37	0.00	0.00	<50	<0.50	0.60	<0.50	<1.5	-	<2.5	-	-	-	-	-
MW-5	05/02/2003	37.40	13.96	23.44	0.00	0.00	<50	<0.5	<0.5	<0.5	<1.5	-	<2.5	-	-	-	-	-
MW-5	08/01/2003[7]	37.40	17.40	20.00	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-5	11/21/2003[7]	37.40	18.57	18.83	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-5	02/10/2004[7]	37.40	14.14	23.26	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-5	05/11/2004[7]	37.40	14.70	22.70	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-5	08/10/2004[7]	37.40	17.08	20.32	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-5	11/08/2004[7]	37.40	15.98	21.42	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-5	02/21/2005	37.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	05/10/2005[7]	37.40	11.88	25.52	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	-	-	-	-	-
MW-5	08/12/2005[7]	37.40	15.63	21.77	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-5	11/11/2005[7]	37.40	18.68	18.72	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.8	-	-	-	-	-	-
MW-5	02/20/2006[7]	37.40	12.57	24.83	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-5	05/12/2006[7]	37.40	11.06	26.34	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.9	-	-	-	-	-	-
MW-5	08/14/2006[7]	37.40	15.73	21.67	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.9	-	-	-	-	-	-
MW-5	11/08/2006[7]	37.40	18.51	18.89	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	-	-	-	-	-
MW-5	02/07/2007[7]	37.40	16.02	21.38	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.6	-	-	-	-	-	-
MW-5	05/07/2007[7]	37.40	14.32	23.08	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-5	08/03/2007[7]	37.40	18.08	19.32	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.6	-	-	-	-	-	-
MW-5	10/12/2007[7]	37.40	19.74	17.66	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.8	-	-	-	-	-	-
MW-5	11/02/2007[7]	37.40	19.78	17.62	0.00	0.00	61	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-

Table 2

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

							HYDROCARBONS	PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPL T	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-5	12/07/2007[7]	37.40	19.71	17.69	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-5	02/01/2008[7]	37.40	14.34	23.06	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-5	05/09/2008[7]	37.40	15.62	21.78	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-5	08/22/2008[7]	37.40	18.96	18.44	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-5	11/26/2008[7]	37.40	20.35	17.05	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.9	-	-	-	-	-	-
MW-5	05/20/2009	37.40	15.56	21.84	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-5	08/26/2009	37.40	19.56	17.84	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.5 J	-	<50	-	-	-	-
MW-5	11/12/2009	37.40	18.50	18.90	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-5	02/01/2010	37.40	14.41	22.99	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-5	05/17/2010	37.40	13.00	24.40	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-5	08/26/2010	37.40	15.90	21.50	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-5	11/11/2010	37.40	18.05	19.35	0.00	0.00	68 J	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-5	02/10/2011	37.40	13.70	23.70	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-5	06/17/2011	37.40	13.37	24.03	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-5	09/08/2011	37.40	16.15	21.25	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-5	12/16/2011	37.40	17.20	20.20	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-5	03/02/2012	37.40	17.41	19.99	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-5	06/08/2012	37.40	15.20	22.20	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-5	09/14/2012	37.40	18.40	19.00	0.00	0.00	130	<0.5	<0.5	4	22	<0.5	-	<50	<2	<0.5	<0.5	<0.5
MW-5	12/21/2012	37.40	14.62	22.78	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-5	04/01/2013	37.40	16.10	21.30	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-5	06/28/2013	37.40	17.77	19.63	0.00	0.00	150	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-5	09/20/2013	37.40	19.59	17.81	0.00	0.00	170	<0.5	<0.5	<0.5	<0.5	0.5 J	-	<50	-	-	-	-
MW-5	12/30/2013	37.40	20.80	16.60	0.00	0.00	170	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-5	03/31/2014	37.40	16.60	20.80	0.00	0.00	54 J	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-

Table 2

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

							HYDROCARBONS	PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPL T	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-5	06/30/2014	37.40	18.12	19.28	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-5	09/22/2014	37.40	20.70	16.70	0.00	0.00	410	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-5	12/23/2014	37.40	15.10	22.30	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-5	03/05/2015	37.40	15.87	21.53	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-5	06/23/2015	37.40	19.13	18.27	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	<2	<0.5	<0.5	<0.5
MW-5	09/23/2015	37.40	21.86	15.54	0.00	0.00	200	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	-	-	-	-
MW-5	12/29/2015[16]	37.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	03/29/2016	37.40	13.40	24.00	0.00	0.00	<100	<1	<1	<1	<1	<1	-	<250	<5	<1	<1	<1
MW-5	07/14/2016	37.40	18.85	18.55	0.00	0.00	97 J	<1	<1	<1	0.6 J	<1	-	<250	-	-	-	-
MW-5	09/28/2016	37.40	21.45	15.95	0.00	0.00	310	<1	<1	<1	<1	<1	-	<250	<5	<1	<1	<1
MW-5	12/29/2016	37.40	16.45	20.95	0.00	0.00	56 J	<1	<1	<1	<1	<1	-	70 J	-	-	-	-
MW-5	**03/07/2017**	**37.40**	**10.77**	**26.63**	**0.00**	**0.00**	**<100**	**<1**	**<1**	**<1**	**<1**	**<1**	**-**	**<250**	**-**	**-**	**-**	**-**
MW-6	02/02/1999	39.84	18.48	21.36	0.00	0.00	14,000	5,600	<50	150	160	-	<250	-	-	-	-	-
MW-6	06/07/1999	39.84	16.45	23.39	0.00	0.00	1,500	1,100	33	25	34	-	200	-	-	-	-	-
MW-6	09/07/1999	39.84	20.49	19.35	0.00	0.00	6,550	2,940	81.5	177	84	-	865	-	-	-	-	-
MW-6	10/27/1999	39.84	21.23	18.61	0.00	0.00	3,680	1,240	29.6	115	14.9	-	735	-	-	-	-	-
MW-6	02/08/2000	39.84	18.40	21.44	0.00	0.00	17,300	8,920	<100	378	211	-	2,610	-	-	-	-	-
MW-6	05/05/2000	39.84	16.36	23.48	0.00	0.00	4,200[2]	1,900	98	170	290	-	1,300	-	-	-	-	-
MW-6	07/28/2000	39.84	18.94	20.90	0.00	0.00	1,200[2]	660	30	83	36	-	650	-	-	-	-	-
MW-6	11/26/2000	39.84	20.13	19.71	0.00	0.00	7,600[2]	4,300	63	360	110	-	2,000	-	-	-	-	-
MW-6	02/09/2001	39.84	18.40	21.44	0.00	0.00	18,200[3]	7,090	<100	457	169	-	2,930	-	-	-	-	-
MW-6	05/11/2001	39.84	15.45	24.39	0.00	0.00	2,600[2]	2,300	31	88	40	-	990	-	-	-	-	-
MW-6	08/30/2001	39.84	20.02	19.82	0.00	0.00	2,500	1,600	50	160	100	-	1,900	-	-	-	-	-
MW-6	11/21/2001	39.84	20.62	19.22	0.00	0.00	25,000	8,800	150	620	330	-	2,900	-	-	-	-	-

Table 2

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

							HYDROCARBONS	PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPL T	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-6	02/05/2002	39.84	15.80	24.04	0.00	0.00	1,400	400	6.8	27	20	-	480	-	-	-	-	-
MW-6	04/01/2002	36.90	13.82	23.08	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	08/05/2002	36.90	17.05	19.85	0.00	0.00	1,200	300	5.1	11	3.7	-	250	-	-	-	-	-
MW-6	11/04/2002	36.90	19.56	17.34	0.00	0.00	7,500	2,000	29	140	39	-	1,300	-	-	-	-	-
MW-6	02/03/2003	36.90	14.62	22.28	0.00	0.00	630	160	<5.0	9.2	2.7	-	260	-	-	-	-	-
MW-6	05/02/2003	36.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	08/01/2003[7]	36.90	16.88	20.02	0.00	0.00	1,500	400	3	14	3	540	-	-	-	-	-	-
MW-6	11/21/2003[7]	36.90	18.41	18.49	0.00	0.00	4,400	1,300	12	98	18	540	-	-	-	-	-	-
MW-6	02/10/2004[7]	36.90	13.70	23.20	0.00	0.00	430	110	1	4	0.7	150	-	-	-	-	-	-
MW-6	05/11/2004[7]	36.90	14.27	22.63	0.00	0.00	95	11	<0.5	1	0.6	120	-	-	-	-	-	-
MW-6	08/10/2004[7]	36.90	16.64	20.26	0.00	0.00	430	46	<0.5	3	<0.5	140	-	-	-	-	-	-
MW-6	11/08/2004[7]	36.90	15.63	21.27	0.00	0.00	750	50	<0.5	2	<0.5	81	-	-	-	-	-	-
MW-6	02/21/2005[7]	36.90	11.43	25.47	0.00	0.00	130	8	<0.5	<0.5	<0.5	60	-	-	-	-	-	-
MW-6	05/10/2005[7]	36.90	11.41	25.49	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
MW-6	08/12/2005[7]	36.90	15.08	21.82	0.00	0.00	75	<0.5	<0.5	<0.5	<0.5	82	-	-	-	-	-	-
MW-6	11/11/2005[7]	36.90	18.16	18.74	0.00	0.00	1,100	270	12	19	46	350	-	-	-	-	-	-
MW-6	02/20/2006[7]	36.90	12.15	24.75	0.00	0.00	1,100	250	3	22	9	130	-	-	-	-	-	-
MW-6	05/12/2006[7]	36.90	10.32	26.58	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	84	-	-	-	-	-	-
MW-6	08/14/2006[7]	36.90	15.21	21.69	0.00	0.00	51	<0.5	<0.5	<0.5	<0.5	75	-	-	-	-	-	-
MW-6	11/08/2006[7]	36.90	17.97	18.93	0.00	0.00	200	3	<0.5	<0.5	<0.5	27	-	-	-	-	-	-
MW-6	02/07/2007[7]	36.90	15.60	21.30	0.00	0.00	1,500	120	0.8	5	1	54	-	-	-	-	-	-
MW-6	05/07/2007[7]	36.90	14.78	22.12	0.00	0.00	740	98	0.5	2	2	31	-	-	-	-	-	-
MW-6	08/03/2007[7]	36.90	17.57	19.33	0.00	0.00	1,600	410	4	2	3	80	-	-	-	-	-	-
MW-6	10/12/2007[7]	36.90	19.20	17.70	0.00	0.00	1,100	130	0.9	0.9	<0.5	79	-	-	-	-	-	-
MW-6	11/02/2007[7]	36.90	19.43	17.47	0.00	0.00	1,500	240	1	0.7	0.5	70	-	-	-	-	-	-

Table 2

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

							HYDROCARBONS	PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPL T	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-6	12/07/2007[7]	36.90	19.11	17.79	0.00	0.00	770	84	<0.5	<0.5	<0.5	60	-	-	-	-	-	-
MW-6	02/01/2008[7]	36.90	14.03	22.87	0.00	0.00	650	89	<0.5	1	0.7	24	-	-	-	-	-	-
MW-6	05/09/2008[7]	36.90	15.22	21.68	0.00	0.00	680	87	<0.5	<0.5	<0.5	19	-	-	-	-	-	-
MW-6	08/22/2008[7]	36.90	18.46	18.44	0.00	0.00	950	43	<0.5	<0.5	<0.5	38	-	-	-	-	-	-
MW-6	11/26/2008[7]	36.90	19.87	17.03	0.00	0.00	1,500	190	1	0.6	0.5	71	-	-	-	-	-	-
MW-6	05/20/2009	36.90	15.03	21.87	0.00	0.00	580	23	<0.5	0.7 J	<0.5	11	-	<50	-	-	-	-
MW-6	08/26/2009	36.90	19.00	17.90	0.00	0.00	1,100	88	0.8 J	0.6 J	<0.5	25	-	<50	-	-	-	-
MW-6	11/12/2009	36.90	18.19	18.71	0.00	0.00	980	95	0.8 J	1	1	20	-	<50	-	-	-	-
MW-6	02/01/2010	36.90	13.30	23.60	0.00	0.00	530	28	<0.5	0.9 J	<0.5	6	-	<50	-	-	-	-
MW-6	05/17/2010	36.90	11.67	25.23	0.00	0.00	450	14	<0.5	1	<0.5	4	-	<50	-	-	-	-
MW-6	08/26/2010	36.90	15.42	21.48	0.00	0.00	860	29	<0.5	2	<0.5	4	-	<50	-	-	-	-
MW-6	11/11/2010[12]	36.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	02/10/2011	36.90	13.00	23.90	0.00	0.00	370	10	<0.5	<0.5	<0.5	3	-	<50	-	-	-	-
MW-6	06/17/2011	36.90	12.35	24.55	0.00	0.00	690	22	<0.5	2	<0.5	4	-	<50	-	-	-	-
MW-6	09/08/2011	36.90	15.68	21.22	0.00	0.00	880	92	<0.5	2	<0.5	6	-	<50	-	-	-	-
MW-6	12/16/2011	36.90	16.63	20.27	0.00	0.00	3,200	620	4	10	8	11	-	<50	-	-	-	-
MW-6	03/02/2012	36.90	16.55	20.35	0.00	0.00	2,900	510	<5	<5	5 J	13	-	<500	-	-	-	-
MW-6	06/08/2012	36.90	14.03	22.87	0.00	0.00	3,000	750	<5	<5	<5	12	-	<500	-	-	-	-
MW-6	09/14/2012	36.90	17.84	19.06	0.00	0.00	4,300	930	<5	<5	<5	10	-	<500	81	<5	<5	<5
MW-6	12/21/2012	36.90	13.88	23.02	0.00	0.00	2,200	360	<5	<5	<5	28	-	<500	-	-	-	-
MW-6	04/01/2013	36.90	15.58	21.32	0.00	0.00	2,100	520	2	3	2	21	-	<50	-	-	-	-
MW-6	06/28/2013	36.90	17.30	19.60	0.00	0.00	1,600	130	<0.5	<0.5	<0.5	5	-	<50	-	-	-	-
MW-6	09/20/2013	36.90	19.07	17.83	0.00	0.00	3,100	680	3	4	3	15	-	<50	-	-	-	-
MW-6	12/30/2013[14]	36.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	03/31/2014	36.90	16.10	20.80	0.00	0.00	2,000	220	2	4	2	20	-	<50	-	-	-	-

Table 2

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

							HYDROCARBONS	PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPL T	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-6	06/30/2014	36.90	17.41	19.49	0.00	0.00	1,400	100	0.6 J	2	<0.5	14	-	<50	-	-	-	-
MW-6	09/22/2014	36.90	20.22	16.68	0.00	0.00	2,100	180	1	2	2	14	-	<50	-	-	-	-
MW-6	12/23/2014[14]	36.90	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	03/05/2015	36.90	15.52	21.38	0.00	0.00	710	34	<0.5	0.5 J	<0.5	6	-	<50	-	-	-	-
MW-6	06/23/2015	36.90	18.52	18.38	0.00	0.00	1,500	230	<3	<3	6	6	-	<250	43	<3	<3	<3
MW-6	09/23/2015	36.90	21.38	15.52	0.00	0.00	4,800	680	4 J	<3	13	11	-	<250	-	-	-	-
MW-6	12/29/2015	36.90	19.50	17.40	0.00	0.00	1,200	230	<5	<5	<5	-	-	<500	-	-	-	-
MW-6	03/29/2016	36.90	12.69	24.21	0.00	0.00	1,400	260	<5	<5	<5	6	-	<1,300	28	<5	<5	<5
MW-6	07/14/2016	36.90	18.37	18.53	0.00	0.00	1,400	6	<1	<1	0.9 J	0.9 J	-	<250	-	-	-	-
MW-6	09/28/2016	36.90	20.94	15.96	0.00	0.00	5,700	1,300	13	7 J	100	9 J	-	<2,500	120	<10	<10	<10
MW-6	12/29/2016	36.90	15.64	21.26	0.00	0.00	3,100	420	3 J	<5	12	9	-	<1,300	-	-	-	-
MW-6	**03/07/2017**	**36.90**	**10.28**	**26.62**	**0.00**	**0.00**	**360**	**2**	**<1**	**<1**	**<1**	**<1**	**-**	**<250**	**-**	**-**	**-**	**-**
MW-7	02/21/2005[7]	36.84	10.41	26.43	0.00	0.00	7,600	2,200	6	210	920	53	-	<100	130	<1	<1	<1
MW-7	05/10/2005[7]	36.84	9.59	27.25	0.00	0.00	3,900	700	<0.5	<0.5	650	77	-	<50	140	<0.5	<0.5	<0.5
MW-7	08/12/2005[7]	36.84	12.83	24.01	0.00	0.00	18,000	7,300	12	1,100	2,500	80	-	<500	280	<5	<5	<5
MW-7	11/11/2005[7]	36.84	16.64	20.20	0.00	0.00	39,000	11,000	38	1,700	2,900	100	-	<1,000	340	<10	<10	<10
MW-7	02/20/2006[7]	36.84	10.39	26.45	0.00	0.00	17,000	4,400	18	470	1,500	62	-	<500	200	<5	<5	<5
MW-7	05/12/2006[7]	36.84	8.79	28.05	0.00	0.00	15,000	5,100	12	370	880	73	-	<500	200	<5	<5	<5
MW-7	08/14/2006[7]	36.84	13.88	22.96	0.00	0.00	30,000	8,100	18	1,500	3,600	74	-	<1,000	280	<10	<10	<10
MW-7	11/08/2006[7]	36.84	16.87	19.97	0.00	0.00	39,000	10,000	28	1,400	2,300	89	-	<1,000	330	<10	<10	<10
MW-7	02/07/2007[7]	36.84	14.43	22.41	0.00	0.00	43,000	9,400	51	1,800	4,400	80	-	<500	280	<5	<5	<5
MW-7	05/07/2007[7]	36.84	12.57	24.27	0.00	0.00	50,000	8,800	35	1,700	3,700	72	-	<1,000	240	<10	<10	<10
MW-7	08/03/2007[7]	36.84	16.10	20.74	0.00	0.00	57,000	12,000	41	2,400	4,400	84	-	<2,500	300	<25	<25	<25
MW-7	10/12/2007[7]	36.84	18.16	18.68	0.00	0.00	15,000	2,300	63	270	730	58	-	<1,000	290	<10	<10	<10

Table 2

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Former Chevron Service Station 93322
7225 Bancroft Avenue
Oakland, California

							HYDROCARBONS	PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPL T	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-7	11/02/2007[7]	36.84	18.01	18.83	0.00	0.00	21,000	5,000	120	820	2,300	59	-	<500	280	<5	<5	<5
MW-7	12/07/2007	36.84	18.92	17.92	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	02/01/2008	36.84	12.78	24.06	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	05/09/2008[7]	36.84	13.98	22.86	0.00	0.00	24,000	4,600	99	1,000	3,400	57	-	<250	240	<3	<3	<3
MW-7	08/22/2008[7]	36.84	17.19	19.65	0.00	0.00	32,000	9,500	240	1,900	4,800	76	-	<1,000	270	<10	<10	<10
MW-7	11/26/2008[7]	36.84	19.01	17.83	0.00	0.00	39,000	9,700	840	1,600	5,700	62	-	<1,300	280	<13	<13	<13
MW-7	05/20/2009	36.84	13.71	23.13	0.00	0.00	24,000	5,400	190	810	2,800	66	-	<250	260	<3	<3	<3
MW-7	08/26/2009	36.84	19.00	17.84	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	11/12/2009	36.84	16.43	20.41	0.00	0.00	19,000	5,900	190	540	1,800	57	-	<500	240	<5	<5	<5
MW-7	05/17/2010	36.84	10.30	26.54	0.00	0.00	13,000	3,600	63	310	1,300	58	-	<250	220	<3	<3	<3
MW-7	08/26/2010[11]	36.84	14.40	22.44	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	11/11/2010	36.84	16.50	20.34	0.00	0.00	16,000	7,300	140	720	2,400	64	-	<500	280	<5	<5	<5
MW-7	02/10/2011[13]	36.84	12.16	24.68	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	06/17/2011	36.84	11.25	25.59	0.00	0.00	12,000	3,800	22	460	1,600	56	-	<250	120	<3	<3	<3
MW-7	09/08/2011	36.84	14.65	22.19	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	12/16/2011	36.84	17.36	19.48	0.00	0.00	35,000	8,100	370	1,000	3,900	78	-	<500	300	<5	<5	<5
MW-7	03/02/2012[13]	36.84	15.42	21.42	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	06/08/2012	36.84	13.10	23.74	0.00	0.00	19,000	6,000	180	310	1,200	56	-	<500	-	-	-	-
MW-7	09/14/2012[13]	36.84	16.91	19.93	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	12/21/2012	36.84	12.19	24.65	0.00	0.00	21,000	5,300	160	530	2,200	55	-	<2,500	240 J	<25	<25	<25
MW-7	04/01/2013[13]	36.84	14.64	22.20	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	06/28/2013	36.84	16.10	20.74	0.00	0.00	20,000	6,900	200	420	1,700	81	-	<250	240	<3	<3	<3
MW-7	09/20/2013[13]	36.84	17.72	19.12	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	12/30/2013	36.84	19.10	17.74	0.00	0.00	14,000	4,800	220	210	1,300	55	-	<500	-	-	-	-
MW-7	03/31/2014[13]	36.84	14.64	22.20	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-

Table 2

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Former Chevron Service Station 93322
7225 Bancroft Avenue
Oakland, California

							HYDROCARBONS	PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPL T	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-7	06/30/2014	36.84	15.92	20.92	0.00	0.00	28,000	6,300	290	790	3,000	53	-	<500	-	-	-	-
MW-7	09/22/2014[13]	36.84	18.98	17.86	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	12/23/2014	36.84	12.62	24.22	0.00	0.00	11,000	1,900	100	230	1,200	31	-	<250	110	<3	<3	<3
MW-7	03/05/2015[13]	36.84	13.90	22.94	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	06/23/2015	36.84	17.40	19.44	0.00	0.00	17,000	7,400	200	620	2,500	57	-	<2,500	240 J	<25	<25	<25
MW-7	09/23/2015[13]	36.84	19.99	16.85	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	12/29/2015	36.84	17.31	19.53	0.00	0.00	3,700	1,100	19	23	210	37	-	<500	200	<5	<5	<5
MW-7	03/29/2016[11]	36.84	11.05	25.79	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	07/14/2016	36.84	17.06	19.78	0.00	0.00	19,000	7,000	37	230	810	58	-	<5,000	340	<20	<20	<20
MW-7	09/28/2016[13]	36.84	19.62	17.22	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	12/29/2016	36.84	13.83	23.01	0.00	0.00	20,000	5,800	54	220	940	43	-	<5,000	220	<20	<20	<20
MW-7	**03/07/2017[13]**	**36.84**	**8.81**	**28.03**	**0.00**	**0.00**	**-**	**-**	**-**	**-**	**-**	**-**	**<**	**-**	**-**	**-**	**-**	**-**
MW-8	04/01/2002[6]	37.21	11.10	26.11	0.00	0.00	1,200	8.6	<0.50	2.5	2.5	-	<2.5/<2[5]	-	<100	<2	<2	<2
MW-8	08/05/2002	37.21	16.14	21.07	0.00	0.00	560	11	<0.50	<0.50	<1.5	-	<2.5/<2[5]	-	<100	<2	<2	<2
MW-8	11/04/2002	37.21	18.97	18.24	0.00	0.00	780	5.1	<0.50	1.1	1.9	-	<2[5]/<2.5	-	<100	<2	<2	<2
MW-8	02/03/2003	37.21	13.21	24.00	0.00	0.00	230	3.7	<0.50	0.54	<1.5	-	<0.6[5]/<10	-	<5	<0.5	<0.5	<0.5
MW-8	05/02/2003	37.21	12.12	25.09	0.00	0.00	180	2.5	<0.5	<0.5	<1.5	-	<0.5[5]/<2.5	-	<5	<0.5	<0.5	<0.5
MW-8	08/01/2003[7]	37.21	16.11	21.10	0.00	0.00	220	2	<0.5	<0.5	<0.5	0.8	-	<50	<5	<0.5	<0.5	<0.5
MW-8	11/21/2003[7]	37.21	17.17	20.04	0.00	0.00	140	<0.5	<0.5	<0.5	<0.5	0.7	-	<50	<5	<0.5	<0.5	<0.5
MW-8	02/10/2004[7]	37.21	12.13	25.08	0.00	0.00	150	2	<0.5	<0.5	<0.5	0.8	-	<50	<5	<0.5	<0.5	<0.5
MW-8	05/11/2004[7]	37.21	13.47	23.74	0.00	0.00	86	4	<0.5	<0.5	<0.5	1	-	<50	<5	<0.5	<0.5	<0.5
MW-8	08/10/2004[7]	37.21	15.65	21.56	0.00	0.00	80	<0.5	<0.5	<0.5	<0.5	0.8	-	<50	<5	<0.5	<0.5	<0.5
MW-8	11/08/2004[7]	37.21	13.98	23.23	0.00	0.00	110	<0.5	<0.5	<0.5	<0.5	1	-	<50	7	<0.5	<0.5	<0.5
MW-8	02/21/2005[7]	37.21	10.09	27.12	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	<5	<0.5	<0.5	<0.5

Table 2

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

							HYDROCARBONS	PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPL T	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-8	05/10/2005[7]	37.21	10.60	26.61	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	<50	<5	<0.5	<0.5	<0.5
MW-8	08/12/2005[7]	37.21	12.58	24.63	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	<5	<0.5	<0.5	<0.5
MW-8	11/11/2005[7]	37.21	17.41	19.80	0.00	0.00	96	<0.5	<0.5	<0.5	<0.5	2	-	<50	6	<0.5	<0.5	<0.5
MW-8	02/20/2006[7]	37.21	10.79	26.42	0.00	0.00	81	<0.5	<0.5	<0.5	<0.5	0.6	-	<50	<5	<0.5	<0.5	<0.5
MW-8	05/12/2006[7]	37.21	9.24	27.97	0.00	0.00	72	1	<0.5	<0.5	<0.5	2	-	<50	6	<0.5	<0.5	<0.5
MW-8	08/14/2006[7]	37.21	14.67	22.54	0.00	0.00	110	3	<0.5	<0.5	<0.5	2	-	<50	7	<0.5	<0.5	<0.5
MW-8	11/08/2006[7]	37.21	17.41	19.80	0.00	0.00	310	2	1	<0.5	2	3	-	<50	13	<0.5	<0.5	<0.5
MW-8	02/07/2007[7]	37.21	14.58	22.63	0.00	0.00	310	0.6	<0.5	<0.5	<0.5	2	-	<50	7	<0.5	<0.5	<0.5
MW-8	05/07/2007[7]	37.21	12.78	24.43	0.00	0.00	95	0.5	<0.5	<0.5	<0.5	2	-	<50	6	<0.5	<0.5	<0.5
MW-8	08/03/2007[7]	37.21	16.70	20.51	0.00	0.00	130	<0.5	<0.5	<0.5	<0.5	2	-	<50	8	<0.5	<0.5	<0.5
MW-8	10/12/2007[7]	37.21	18.51	18.70	0.00	0.00	340	<0.5	<0.5	<0.5	<0.5	5	-	<50	20	<0.5	<0.5	<0.5
MW-8	11/02/2007[7]	37.21	18.81	18.40	0.00	0.00	210	<0.5	<0.5	<0.5	<0.5	2	-	<50	5	<0.5	<0.5	<0.5
MW-8	12/07/2007[7]	37.21	18.62	18.59	0.00	0.00	230	<0.5	<0.5	<0.5	<0.5	2	-	<50	5	<0.5	<0.5	<0.5
MW-8	02/01/2008[7]	37.21	14.18	23.03	0.00	0.00	96	<0.5	<0.5	<0.5	<0.5	0.8	-	<50	<2	<0.5	<0.5	<0.5
MW-8	05/09/2008[7]	37.21	14.33	22.88	0.00	0.00	120	2	<0.5	<0.5	<0.5	2	-	<50	6	<0.5	<0.5	<0.5
MW-8	08/22/2008[7]	37.21	17.88	19.33	0.00	0.00	180	0.9	<0.5	<0.5	<0.5	4	-	<50	14	<0.5	<0.5	<0.5
MW-8	11/26/2008[7]	37.21	19.52	17.69	0.00	0.00	350	<0.5	<0.5	<0.5	<0.5	1	-	<50	2	<0.5	<0.5	<0.5
MW-8	05/20/2009	37.21	14.11	23.10	0.00	0.00	310	3	<0.5	<0.5	<0.5	0.7 J	-	<50	<2	<0.5	<0.5	<0.5
MW-8	08/26/2009	37.21	18.19	19.02	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	11/12/2009	37.21	16.60	20.61	0.00	0.00	350	2	<0.5	<0.5	<0.5	1	-	<50	2 J	<0.5	<0.5	<0.5
MW-8	05/17/2010	37.21	10.50	26.71	0.00	0.00	230	2	<0.5	<0.5	<0.5	0.5 J	-	<50	<2	<0.5	<0.5	<0.5
MW-8	08/26/2010[11]	37.21	14.72	22.49	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	11/11/2010	37.21	16.58	20.63	0.00	0.00	330	<0.5	<0.5	<0.5	<0.5	1	-	<50	3 J	<0.5	<0.5	<0.5
MW-8	02/10/2011[13]	37.21	12.30	24.91	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	06/17/2011	37.21	11.43	25.78	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	<50	<2	<0.5	<0.5	<0.5

Table 2

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

							HYDROCARBONS	PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPL T	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-8	09/08/2011	37.21	15.15	22.06	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	12/16/2011	37.21	15.00	22.21	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	<50	4 J	<0.5	<0.5	<0.5
MW-8	03/02/2012[13]	37.21	15.70	21.51	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	06/08/2012	37.21	13.42	23.79	0.00	0.00	100	2	<0.5	<0.5	<0.5	3	-	<50	-	-	-	-
MW-8	09/14/2012[13]	37.21	17.20	20.01	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	12/21/2012	37.21	12.11	25.10	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	-	<50	6	<0.5	<0.5	<0.5
MW-8	04/01/2013[13]	37.21	14.87	22.34	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	06/28/2013	37.21	16.46	20.75	0.00	0.00	350	<0.5	<0.5	0.5 J	0.6 J	9	-	<50	22	<0.5	<0.5	<0.5
MW-8	09/20/2013[13]	37.21	18.01	19.20	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	12/30/2013	37.21	19.43	17.78	0.00	0.00	820	<0.5	<0.5	<0.5	<0.5	3	-	<50	-	-	-	-
MW-8	03/31/2014[13]	37.21	14.40	22.81	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	06/30/2014	37.21	16.46	20.75	0.00	0.00	370	2	<0.5	<0.5	<0.5	3	-	<50	-	-	-	-
MW-8	09/22/2014[13]	37.21	19.21	18.00	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	12/23/2014	37.21	12.21	25.00	0.00	0.00	230	<0.5	<0.5	<0.5	<0.5	0.9 J	-	<50	<2	<0.5	<0.5	<0.5
MW-8	03/05/2015[13]	37.21	14.07	23.14	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	06/23/2015	37.21	17.70	19.51	0.00	0.00	250	1	<0.5	<0.5	<0.5	3	-	<50	7	<0.5	<0.5	<0.5
MW-8	09/23/2015[13]	37.21	20.22	16.99	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	12/29/2015	37.21	17.01	20.20	0.00	0.00	450	0.9 J	<0.5	<0.5	<0.5	<0.5	-	<50	<2	<0.5	<0.5	<0.5
MW-8	03/29/2016[11]	37.21	11.06	26.15	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	07/14/2016	37.21	17.48	19.73	0.00	0.00	370	14	<1	<1	<1	2	-	<250	6	<1	<1	<1
MW-8	09/28/2016[13]	37.21	20.09	17.12	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	12/29/2016	37.21	13.58	23.63	0.00	0.00	300	3	<1	<1	<1	<1	-	<250	3 J	<1	<1	<1
MW-8	**03/07/2017[13]**	**37.21**	**8.68**	**28.53**	**0.00**	**0.00**	**-**	**-**	**-**	**-**	**-**	**-**	**<**	**-**	**-**	**-**	**-**	**-**
MW-9	04/01/2002[6]	35.03	10.62	24.41	0.00	0.00	94	1.5	<0.50	<0.50	<1.5	-	25/19[5]	-	<100	<2	<2	<2

Table 2

Cumulative Groundwater Monitoring and Sampling Data
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							HYDROCARBONS	PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPL T	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-9	08/05/2002	35.03	14.85	20.18	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	-	15[5/]18	-	<100	<2	<2	<2
MW-9	11/04/2002	35.03	17.48	17.55	0.00	0.00	<50	<0.50	1.7	<0.50	2.1	-	24/21[5]	-	<100	<2	<2	<2
MW-9	02/03/2003	35.03	12.51	22.52	0.00	0.00	<50	1.9	<0.50	<0.50	<1.5	-	17/16[5]	-	<5	<0.5	<0.5	0.8
MW-9	05/02/2003	35.03	11.68	23.35	0.00	0.00	<50	0.6	<0.5	<0.5	<1.5	-	21/18[5]	-	<5	<0.5	<0.5	0.8
MW-9	08/01/2003[7]	35.03	14.69	20.34	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	22	-	<50	7	0.9	<0.5	1
MW-9	11/21/2003[7]	35.03	16.35	18.68	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	18	-	<50	<5	0.8	<0.5	1
MW-9	02/10/2004[7]	35.03	11.69	23.34	0.00	0.00	210	7	0.5	1	1	31	-	<50	9	0.6	<0.5	2
MW-9	05/11/2004[7]	35.03	12.12	22.91	0.00	0.00	230	17	<0.5	<0.5	<0.5	72	-	<50	16	<0.5	<0.5	4
MW-9	08/10/2004[7]	35.03	14.58	20.45	0.00	0.00	250	5	<0.5	<0.5	<0.5	66	-	<50	<5	0.9	<0.5	3
MW-9	11/08/2004	35.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	02/21/2005[7]	35.03	9.52	25.51	0.00	0.00	510	6	<0.5	1	3	79	-	<50	17	0.5	<0.5	4
MW-9	05/10/2005[7]	35.03	8.85	26.18	0.00	0.00	670	11	0.7	0.5	2	100	-	<50	20	<0.5	<0.5	4
MW-9	08/12/2005[7]	35.03	11.06	23.97	0.00	0.00	390	4	<0.5	<0.5	0.7	89	-	<50	18	<0.5	<0.5	4
MW-9	11/11/2005[7]	35.03	15.98	19.05	0.00	0.00	2,500	48	5	21	33	140	-	<50	25	<0.5	<0.5	6
MW-9	02/20/2006[7]	35.03	10.08	24.95	0.00	0.00	3,200	47	5	30	32	130	-	<50	22	<0.5	<0.5	5
MW-9	05/12/2006[7]	35.03	8.08	26.95	0.00	0.00	1,800	19	1	1	4	89	-	<50	14	<0.5	<0.5	4
MW-9	08/14/2006	35.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	11/08/2006	35.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	02/07/2007[7]	35.03	13.57	21.46	0.00	0.00	2,000	22	2	1	8	78	-	<50	14	<0.5	<0.5	3
MW-9	05/07/2007[7]	35.03	11.85	23.18	0.00	0.00	1,800	17	2	1	5	67	-	<50	13	<0.5	<0.5	3
MW-9	08/03/2007	35.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	10/12/2007[7]	35.03	17.20	17.83	0.00	0.00	55	<0.5	<0.5	<0.5	<0.5	30	-	<50	4	<0.5	<0.5	1
MW-9	11/02/2007[7]	35.03	17.28	17.75	0.00	0.00	72	<0.5	<0.5	<0.5	0.9	57	-	<50	8	<0.5	<0.5	2
MW-9	12/07/2007[7]	35.03	17.12	17.91	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	59	-	<50	9	<0.5	<0.5	2
MW-9	02/01/2008[7]	35.03	12.23	22.80	0.00	0.00	61	<0.5	<0.5	<0.5	<0.5	50	-	<50	11	<0.5	<0.5	2

Table 2

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							HYDROCARBONS	PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPL T	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-9	05/09/2008	35.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	05/16/2008[7]	35.03	13.34	21.69	0.00	0.00	51	0.5	6	0.5	3	35	-	<50	11	<0.5	<0.5	1
MW-9	08/22/2008[7]	35.03	16.32	18.71	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	35	-	<50	6	<0.5	<0.5	0.9
MW-9	11/26/2008[7]	35.03	17.84	17.19	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	33	-	<50	4	<0.5	<0.5	0.7
MW-9	05/20/2009	35.03	13.18	21.85	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	18	-	<50	7	<0.5	<0.5	<0.5
MW-9	08/26/2009	35.03	17.03	18.00	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	26	-	<50	<2	<0.5	<0.5	<0.5
MW-9	02/01/2010	35.03	11.69	23.34	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	19	-	<50	9	<0.5	<0.5	<0.5
MW-9	08/26/2010	35.03	12.60	22.43	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	17	-	<50	9	<0.5	<0.5	0.6 J
MW-9	11/11/2010[11]	35.03	15.74	19.29	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	02/10/2011[11]	35.03	10.29	24.74	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	12	-	<50	12	<0.5	<0.5	<0.5
MW-9	06/17/2011[11]	35.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/08/2011[11]	35.03	12.74	22.29	0.00	0.00	60 J	<0.5	<0.5	<0.5	<0.5	15	-	<50	-	-	-	-
MW-9	12/16/2011[11]	35.03	14.60	20.43	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	03/02/2012	35.03	14.43	20.60	0.00	0.00	83 J	<0.5	<0.5	<0.5	<0.5	10	-	<50	15	<0.5	<0.5	<0.5
MW-9	06/08/2012[11]	35.03	11.42	23.61	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/14/2012	35.03	15.90	19.13	0.00	0.00	220	1	<0.5	<0.5	<0.5	17	-	<50	14	<0.5	<0.5	<0.5
MW-9	12/21/2012[11]	35.03	12.06	22.97	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	04/01/2013	35.03	12.68	22.35	0.00	0.00	630	4	0.5 J	<0.5	1	11	-	<50	11	<0.5	<0.5	<0.5
MW-9	06/28/2013[11]	35.03	15.29	19.74	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/20/2013	35.03	16.92	18.11	0.00	0.00	120	<0.5	<0.5	<0.5	<0.5	12	-	<50	-	-	-	-
MW-9	12/30/2013	35.03	18.24	16.79	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	03/31/2014	35.03	14.20	20.83	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	4	-	<50	4 J	<0.5	<0.5	<0.5
MW-9	06/30/2014[13]	35.03	15.51	19.52	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/22/2014	35.03	18.21	16.82	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	8	-	<50	<2	<0.5	<0.5	<0.5
MW-9	12/23/2014[13]	35.03	13.21	21.82	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-

Table 2

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Former Chevron Service Station 93322
7225 Bancroft Avenue
Oakland, California

							HYDROCARBONS	PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPL T	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-9	03/05/2015	35.03	13.29	21.74	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	6	-	<50	6	<0.5	<0.5	<0.5
MW-9	06/23/2015[13]	35.03	16.61	18.42	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/23/2015	35.03	19.48	15.55	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	8	-	<50	<2	<0.5	<0.5	<0.5
MW-9	12/29/2015[11]	35.03	16.97	18.06	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	03/29/2016	35.03	10.76	24.27	0.00	0.00	<100	<1	<1	<1	<1	2	-	<250	6	<1	<1	<1
MW-9	07/14/2016[13]	35.03	16.28	18.75	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/28/2016	35.03	18.85	16.18	0.00	0.00	<100	<1	<1	<1	<1	3	-	<250	<5	<1	<1	<1
MW-9	12/29/2016[13]	35.03	14.00	21.03	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	**03/07/2017**	**35.03**	**8.25**	**26.78**	**0.00**	**0.00**	**<100**	**<1**	**<1**	**<1**	**<1**	**0.7 J**	**-**	**<250**	**6**	**<1**	**<1**	**<1**
MW-10	04/01/2002[6]	35.53	11.72	23.81	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	-	5[5]/6.1	-	<100	<2	<2.0	<2
MW-10	08/05/2002	35.53	15.80	19.73	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	-	5.1/5[5]	-	<100	<2	<2.0	<2
MW-10	11/04/2002	35.53	18.31	17.22	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	-	5.5/5[5]	-	<100	<2	<2.0	<2
MW-10	02/03/2003	35.53	13.42	22.11	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	-	2.8/3[5]	-	<5	<0.5	<0.5	<0.5
MW-10	05/02/2003	35.53	12.45	23.08	0.00	0.00	<50	<0.5	<0.5	<0.5	<1.5	-	<2.5/<0.5[5]	-	<5	<0.5	<0.5	<0.5
MW-10	08/01/2003[7]	35.53	15.62	19.91	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	-	<50.0	<5	<0.5	<0.5	<0.5
MW-10	11/21/2003[7]	35.53	17.26	18.27	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	<50.0	<5	<0.50	<0.50	<0.5
MW-10	02/10/2004[7]	35.53	12.52	23.01	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50.0	<5	<0.50	<0.5	<0.5
MW-10	05/11/2004[7]	35.53	13.06	22.47	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	<50	<5	<0.5	<0.5	<0.5
MW-10	08/10/2004[7]	35.53	15.45	20.08	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	3	-	<50.0	<5	<0.5	<0.5	<0.5
MW-10	11/08/2004[7]	35.53	14.68	20.85	0.00	0.00	<50	<0.5	<0.5	0.9	5	<0.5	-	<50.0	<5	<0.5	<0.50	<0.5
MW-10	02/21/2005[7]	35.53	10.32	25.21	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50.0	<5	<0.5	<0.50	<0.5
MW-10	05/10/2005[7]	35.53	11.04	24.49	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	<50.0	<5	<0.5	<0.50	<0.5
MW-10	08/12/2005[7]	35.53	12.58	22.95	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	<50.0	<5	<0.5	<0.50	<0.5
MW-10	11/11/2005[7]	35.53	16.89	18.64	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	5	-	<50.0	<5	<0.5	<0.50	<0.5

Table 2

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

							HYDROCARBONS	PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPL T	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-10	02/20/2006[7]	35.53	10.91	24.62	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50.0	<5	<0.5	<0.50	<0.5
MW-10	05/12/2006[7]	35.53	9.26	26.27	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.6	-	<50	<5	<0.5	<0.5	<0.5
MW-10	08/14/2006[7]	35.53	13.96	21.57	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	-	<50.0	<5	<0.5	<0.5	<0.5
MW-10	11/08/2006	35.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	02/07/2007[7]	35.53	14.45	21.08	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	-	<50.0	<2	<0.5	<0.5	<0.5
MW-10	05/07/2007[7]	35.53	12.81	22.72	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.9	-	<50.0	<2	<0.5	<0.5	<0.5
MW-10	08/03/2007[7]	35.53	16.35	19.18	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	3	-	<50	<2	<0.5	<0.5	<0.5
MW-10	10/12/2007[7]	35.53	17.93	17.60	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	5	-	<50	<2	<0.5	<0.5	<0.5
MW-10	11/02/2007[7]	35.53	18.04	17.49	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	4	-	<50	<2	<0.5	<0.5	<0.5
MW-10	12/07/2007[7]	35.53	17.81	17.72	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	3	-	<50	<2	<0.5	<0.50	<0.5
MW-10	02/01/2008[7]	35.53	13.35	22.18	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	<2	<0.5	<0.50	<0.5
MW-10	05/09/2008[7]	35.53	14.11	21.42	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	-	<50	<2	<0.50	<0.50	<0.5
MW-10	08/22/2008[7]	35.53	17.70	17.83	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	5	-	<50	<2	<0.5	<0.50	<0.5
MW-10	11/26/2008[7]	35.53	18.61	16.92	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	4	-	<50	<2	<0.5	<0.5	<0.5
MW-10	05/20/2009	35.53	14.03	21.50	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	3	-	<50	<2	<0.5	<0.5	<0.5
MW-10	08/26/2009	35.53	17.81	17.72	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	4	-	<50	<2	<0.5	<0.5	<0.5
MW-10	02/01/2010	35.53	12.36	23.17	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	<50	<2	<0.5	<0.5	<0.5
MW-10	08/26/2010	35.53	14.15	21.38	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	<50	<2	<0.5	<0.5	<0.5
MW-10	11/11/2010[11]	35.53	16.09	19.44	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	02/10/2011[11]	35.53	12.02	23.51	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.7 J	-	<50	<2	<0.5	<0.5	<0.5
MW-10	06/17/2011[11]	35.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	09/08/2011[11]	35.53	14.31	21.22	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.5 J	-	<50	-	-	-	-
MW-10	12/16/2011[11]	35.53	15.41	20.12	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	03/02/2012	35.53	15.28	20.25	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	<50	<2	<0.5	<0.5	<0.5
MW-10	06/08/2012[11]	35.53	12.84	22.69	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-

Table 2

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Former Chevron Service Station 93322
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Oakland, California

							HYDROCARBONS	PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPL T	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-10	09/14/2012	35.53	16.63	18.90	0.00	0.00	<50	<0.5	<0.5	1	6	2	-	<50	<2	<0.5	<0.5	<0.5
MW-10	12/21/2012[11]	35.53	12.76	22.77	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	04/01/2013	35.53	14.37	21.16	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	<50	<2	<0.5	<0.5	<0.5
MW-10	06/28/2013[11]	35.53	16.03	19.50	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	09/20/2013	35.53	17.88	17.65	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	-	<50	-	-	-	-
MW-10	12/30/2013	35.53	19.05	16.48	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	03/31/2014	35.53	15.40	20.13	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.8 J	-	<50	<2	<0.5	<0.5	<0.5
MW-10	06/30/2014[13]	35.53	16.22	19.31	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	09/22/2014	35.53	18.97	16.56	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	-	<50	<2	<0.5	<0.5	<0.5
MW-10	12/23/2014[13]	35.53	13.54	21.99	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	03/05/2015	35.53	14.41	21.12	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	-	<50	<2	<0.5	<0.5	<0.5
MW-10	06/23/2015[13]	35.53	17.41	18.12	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	09/23/2015	35.53	20.18	15.35	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	-	<50	<2	<0.5	<0.5	<0.5
MW-10	12/29/2015[11]	35.53	17.62	17.91	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	03/29/2016	35.53	11.72	23.81	0.00	0.00	<100	<1	<1	<1	<1	<1	-	<250	<5	<1	<1	<1
MW-10	07/14/2016[13]	35.53	17.17	18.36	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	09/28/2016	35.53	19.68	15.85	0.00	0.00	<100	<1	<1	<1	<1	0.9 J	-	<250	<5	<1	<1	<1
MW-10	12/29/2016[13]	35.53	14.73	20.80	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	**03/07/2017**	**35.53**	**9.37**	**26.16**	**0.00**	**0.00**	**<100**	**<1**	**<1**	**<1**	**<1**	**<1**	**-**	**<250**	**<5**	**<1**	**<1**	**<1**
QA	11/21/2001	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-
QA	02/05/2002	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-
QA	04/01/2002	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-
QA	08/05/2002	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-
QA	10/04/2002	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-

Table 2

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Former Chevron Service Station 93322
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							HYDROCARBONS	PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPL T	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
QA	02/03/2003	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-
QA	05/02/2003	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<1.5	-	<2.5	-	-	-	-	-
QA	08/01/2003[7]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
QA	11/21/2003[7]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
QA	02/10/2004[7]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
QA	05/11/2004[7]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
QA	08/10/2004[7]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
QA	11/08/2004[7]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
QA	02/21/2005[7]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
QA	05/10/2005[7]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
QA	08/12/2005[7]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
QA	11/11/2005[7]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
QA	02/20/2006[7]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
QA	05/12/2006[7]	-	-	-	-	-	<50	<0.5	0.5[9]	<0.5	<0.5	<0.5	-	-	-	-	-	-
QA	08/14/2006[7]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
QA	11/08/2006[7]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
QA	02/07/2007[7]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
QA	05/07/2007[7]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
QA	08/03/2007[7]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
QA	10/12/2007[7]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
QA	11/02/2007[7]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
QA	12/07/2007[7]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
QA	02/01/2008[7]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
QA	05/09/2008[7]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
QA	05/16/2008[7]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-

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

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	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
QA	03/05/2015	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
QA	06/23/2015	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
QA	09/23/2015	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
QA	12/29/2015	-	-	-	-	-	<22	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	03/29/2016	-	-	-	-	-	<100	<1	<1	<1	<1	<1	-	-	-	-	-	-
QA	07/14/2016	-	-	-	-	-	<100	<1	<1	<1	<1	<1	-	-	-	-	-	-
QA	09/28/2016	-	-	-	-	-	<100	<1	<1	<1	<1	<1	-	-	-	-	-	-
QA	12/29/2016	-	-	-	-	-	<100	<1	<1	<1	<1	<1	-	-	-	-	-	-
QA	**03/07/2017**	**-**	**-**	**-**	**-**	**-**	**<100**	**<1**	**<1**	**<1**	**<1**	**<1**	**-**	**-**	**-**	**-**	**-**	**-**
TRIP BLANK	02/08/1998	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-
TRIP BLANK	06/16/1998	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-
TRIP BLANK	07/29/1998	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-
TRIP BLANK	08/13/1998	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-
TRIP BLANK	11/24/1998	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-
TRIP BLANK	02/02/1999	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-
TRIP BLANK	02/03/1999	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-
TRIP BLANK	06/07/1999	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-
TRIP BLANK	09/07/1999	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<5.0	-	-	-	-	-
TRIP BLANK	10/27/1999	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-
TRIP BLANK	02/08/2000	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<5.0	-	-	-	-	-
TRIP BLANK	05/05/2000	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-
TRIP BLANK	07/28/2000	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-
TRIP BLANK	11/26/2000	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-
TRIP BLANK	02/09/2001	-	-	-	-	-	<50.0	<0.500	<0.500	<0.500	<0.500	-	<2.50	-	-	-	-	-

Table 2

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

							HYDROCARBONS	PRIMARY VOCS						ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	LNAPL T	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	MTBE by VOC	Ethanol	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
TRIP BLANK	05/11/2001	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-
TRIP BLANK	08/30/2001	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-

Abbreviations and Notes:

TOC = Top of casing

DTW = Depth to water

GWE = Groundwater elevation

(ft-amsl) = Feet above mean sea level

ft = Feet

µg/L = Micrograms per liter

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics

VOCS = Volatile organic compounds

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes (Total)

MTBE = Methyl tert butyl ether

TBA = Tert-butyl alcohol

DIPE = Diisopropyl ether

ETBE = Tert-butyl ethyl ether

TAME = Tert-amyl methyl ether

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

-- = Not available / not applicable

<x = Not detected above laboratory method detection limit

Table 2

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

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

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

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

1 Confirmation run.

2 Laboratory report indicates gasoline C6-C12.

3 Laboratory report indicates weathered gasoline C6-C12.

4 Product and water removed.

5 MTBE by EPA Method 8260.

6 Well development performed.

7 BTEX and MTBE by EPA Method 8260.

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

9 Product removed; no water removed.

10 Laboratory report indicates the value for the TPH-GRO is estimated because the value is over the calibration range of the system. The surrogate recovery is outside the upper statistical QC limit. The sample was not reanalyzed because the hold time had ex

11 Sampled semi-annually.

12 Unable to access well due to large donation bin located on well.

13 Gauged only.

14 Inaccessible

15 SPH present

16 Unable to access well - car parked over well

17 Absorbent sock in well

Table 3

Cumulative Soil Analytical Data
Former Chevron Service Station 93322
7225 Bancroft Avenue
Oakland, California

Sample ID	Sample Date	Sample Depth (fbg)	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylene	MTBE	Napthalene	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol	PAHs	Pesticides	PCBs
			Concentrations reported in milligrams per kilogram (mg/kg)																
LTC - Commercial - 0 to 5 fbg			***NE***	***8.2***	***NE***	***89***	***NE***	***NE***	***45***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***0.68***	***NE***	***NE***
LTC - Commercial - Outdoor Air - 0 to			***NE***	***12***	***NE***	***134***	***NE***	***NE***	***45***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***
LTC - Utility Worker - 0 to 10 fbg			***NE***	***14***	***NE***	***314***	***NE***	***NE***	***219***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***4.5***	***NE***	***NE***
2017 GHD Monitoring Wells																			
MW-11	6/6/2017	3.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--
MW-11	6/6/2017	5.0	<1.0	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	--	--	--	--	--	--	--	--	--	--
MW-11	6/6/2017	10.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--
MW-11	6/6/2017	16.0	<1	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	--	--	--	--	--	--	--	--	--	--
MW-11	6/6/2017	20.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--
MW-11	6/6/2017	26.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--
MW-11	6/6/2017	30.0	**6.6 J**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--
MW-11	6/6/2017	35.0	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--
MW-12	6/7/2017	3.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--
MW-12	6/7/2017	5.0	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--
MW-12	6/7/2017	10.0	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--
MW-12	6/7/2017	15.0	**55**	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	--	--	--	--	--	--	--	--	--	--
MW-12	6/7/2017	20.0	**3.5**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--
MW-12	6/7/2017	25.0	**240**	<0.24	<0.24	**0.24 J**	<0.24	<0.24	**0.42**	--	--	--	--	--	--	--	--	--	--
MW-12	6/7/2017	30.0	**0.7 J**	**0.002 J**	<0.005	<0.005	<0.005	**0.001 J**	**0.001 J**	--	--	--	--	--	--	--	--	--	--
2016 GHD Soil Borings																			
SB-7	2/17/16	3.0	1.8	0.002 J	<0.0009	<0.0009	<0.0009	<0.0005	0.0011 J	--	--	--	--	--	--	--	--	--	--
SB-7	2/17/16	5.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	0.0029	--	--	--	--	--	--	--	--	--	--
SB-7	2/17/16	10.0	1.4	0.004 J	<0.001	<0.001	<0.001	0.005 J	0.0037	--	--	--	--	--	--	--	--	--	--
SB-7	2/17/16	15.0	30	0.025	<0.001	0.007	0.001 J	0.004 J	0.037	--	--	--	--	--	--	--	--	--	--
SB-7	2/17/16	20.0	<0.5	<0.0005	<0.001	<0.001	<0.001	0.0009 J	0.00097 J	--	--	--	--	--	--	--	--	--	--
SB-7	2/17/16	25.0	<0.5	<0.0005	<0.0009	<0.0009	<0.0009	0.003 J	0.0015 J	--	--	--	--	--	--	--	--	--	--
SB-7	2/17/16	29.5	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	0.0012 J	--	--	--	--	--	--	--	--	--	--
SB-8	2/17/16	3.0	<0.5	0.0005 J	<0.001	<0.001	0.001 J	<0.0005	0.0024	--	--	--	--	--	--	--	--	--	--
SB-8	2/17/16	5.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	0.0013 J	--	--	--	--	--	--	--	--	--	--
SB-8	2/17/16	10.0	<0.5	0.0007 J	<0.001	<0.001	<0.001	<0.0005	0.0021	--	--	--	--	--	--	--	--	--	--
SB-8	2/17/16	15.0	6.3	0.006	<0.001	0.045	0.001 J	<0.0005	0.024	--	--	--	--	--	--	--	--	--	--
SB-8	2/17/16	20.0	0.7 J	0.033	0.001 J	0.008	0.024	0.002 J	0.0069	--	--	--	--	--	--	--	--	--	--

Table 3

Cumulative Soil Analytical Data
Former Chevron Service Station 93322
7225 Bancroft Avenue
Oakland, California

Sample ID	Sample Date	Sample Depth (fbg)	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylene	MTBE	Napthalene	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol	PAHs	Pesticides	PCBs
			Concentrations reported in milligrams per kilogram (mg/kg)																
LTC - Commercial - 0 to 5 fbg			***NE***	***8.2***	***NE***	***89***	***NE***	***NE***	***45***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***0.68***	***NE***	***NE***
LTC - Commercial - Outdoor Air - 0 to			***NE***	***12***	***NE***	***134***	***NE***	***NE***	***45***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***
LTC - Utility Worker - 0 to 10 fbg			***NE***	***14***	***NE***	***314***	***NE***	***NE***	***219***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***4.5***	***NE***	***NE***
SB-8	2/17/16	25.0	9.5	0.001 J	<0.001	<0.001	<0.001	0.003 J	0.0047	--	--	--	--	--	--	--	--	--	--
SB-8	2/17/16	29.5	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	0.0029	--	--	--	--	--	--	--	--	--	--
SB-9	2/16/16	3.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	0.00088 J	--	--	--	--	--	--	--	--	--	--
SB-9	2/16/16	5.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.00066	--	--	--	--	--	--	--	--	--	--
SB-9	2/16/16	10.0	1.2	<0.0005	<0.001	<0.001	<0.001	0.001 J	0.015	--	--	--	--	--	--	--	--	--	--
SB-9	2/16/16	15.0	80	<0.026	<0.051	<0.051	<0.051	<0.026	<0.00066	--	--	--	--	--	--	--	--	--	--
SB-9	2/16/16	20.0	1.6	<0.0005	<0.001	<0.001	0.001 J	<0.0005	0.0048	--	--	--	--	--	--	--	--	--	--
SB-9	2/16/16	25.0	830	0.14 J	0.76	14	69	<0.026	9.6	--	--	--	--	--	--	--	--	--	--
SB-9	2/16/16	29.5	5.2	0.016	0.10	0.15	0.59	0.004 J	0.016	--	--	--	--	--	--	--	--	--	--
SB-10	2/18/16	3.0	6.4	0.002 J	<0.001	<0.001	0.009	<0.0005	0.0022	--	--	--	--	--	--	--	--	--	--
SB-10	2/18/16	5.0	1 J	0.0007 J	<0.001	<0.001	<0.001	<0.0005	<0.00066	--	--	--	--	--	--	--	--	--	--
SB-10	2/18/16	10.0	0.8 J	0.010	<0.001	<0.001	<0.001	0.002 J	<0.00067	--	--	--	--	--	--	--	--	--	--
SB-10	2/18/16	15.0	0.7 J	0.016	<0.001	<0.001	<0.001	0.004 J	0.00097 J	--	--	--	--	--	--	--	--	--	--
SB-10	2/18/16	20.0	1.8	0.008	<0.001	0.003 J	0.002 J	0.001 J	0.0035	--	--	--	--	--	--	--	--	--	--
SB-10	2/18/16	25.0	<0.5	<0.005	<0.001	<0.001	<0.001	<0.0005	<0.00067	--	--	--	--	--	--	--	--	--	--
SB-10	2/18/16	29.5	22	<0.023	<0.046	<0.046	<0.046	<0.023	0.0011 J	--	--	--	--	--	--	--	--	--	--
SB-11	2/18/16	3.0	<0.5	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	0.0026	--	--	--	--	--	--	--	--	--	--
SB-11	2/18/16	5.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	0.0013 J	--	--	--	--	--	--	--	--	--	--
SB-11	2/18/16	10.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.00066	--	--	--	--	--	--	--	--	--	--
SB-11	2/18/16	15.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	0.00073 J	--	--	--	--	--	--	--	--	--	--
SB-11	2/18/16	20.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	0.0010 J	--	--	--	--	--	--	--	--	--	--
SB-11	2/18/16	25.0	<4.9	<0.0005	<0.001	<0.001	<0.001	<0.0005	0.0012 J	--	--	--	--	--	--	--	--	--	--
SB-11	2/18/16	29.5	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.00066	--	--	--	--	--	--	--	--	--	--
SB-12	2/16/16	3.0	1.2	0.0007 J	<0.001	<0.001	0.001 J	0.0007 J	0.0031	--	--	--	--	--	--	--	--	--	--
SB-12	2/16/16	5.0	1	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.00066	--	--	--	--	--	--	--	--	--	--
SB-12	2/16/16	10.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.00066	--	--	--	--	--	--	--	--	--	--
SB-12	2/16/16	15.0	14	<0.0005	<0.001	<0.001	<0.001	<0.0005	0.0036	--	--	--	--	--	--	--	--	--	--

Table 3

Cumulative Soil Analytical Data
Former Chevron Service Station 93322
7225 Bancroft Avenue
Oakland, California

Sample ID	Sample Date	Sample Depth (fbg)	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylene	MTBE	Napthalene	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol	PAHs	Pesticides	PCBs
			Concentrations reported in milligrams per kilogram (mg/kg)																
LTC - Commercial - 0 to 5 fbg			***NE***	***8.2***	***NE***	***89***	***NE***	***NE***	***45***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***0.68***	***NE***	***NE***
LTC - Commercial - Outdoor Air - 0 to			***NE***	***12***	***NE***	***134***	***NE***	***NE***	***45***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***
LTC - Utility Worker - 0 to 10 fbg			***NE***	***14***	***NE***	***314***	***NE***	***NE***	***219***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***4.5***	***NE***	***NE***
SB-12	2/16/16	20.0	2.4	<0.0005	<0.001	<0.001	<0.001	<0.0005	0.0027	--	--	--	--	--	--	--	--	--	--
SB-12	2/16/16	25.0	65	<0.026	<0.053	1.6	6.2	<0.026	0.75	--	--	--	--	--	--	--	--	--	--
SB-12	2/16/16	29.5	110	0.045 J	0.049 J	0.44	2.6	<0.023	0.96	--	--	--	--	--	--	--	--	--	--
SB-13	2/17/16	3.0	0.8 J	0.018	0.011	0.001 J	0.004 J	0.0006 J	0.0019	--	--	--	--	--	--	--	--	--	--
SB-13	2/17/16	5.0	1.7	0.024	0.012	0.001 J	0.003 J	0.0007 J	0.0016 J	--	--	--	--	--	--	--	--	--	--
SB-13	2/17/16	10.0	0.5 J	0.009	0.004 J	<0.001	0.002 J	0.001 J	0.00073 J	--	--	--	--	--	--	--	--	--	--
SB-13	2/17/16	15.0	23	<0.026	<0.051	<0.051	<0.051	<0.026	0.054	--	--	--	--	--	--	--	--	--	--
SB-13	2/17/16	20.0	1300	13	71	40	220	<0.52	7.7	--	--	--	--	--	--	--	--	--	--
SB-13	2/17/16	25.0	610	2.6	11	7.8	44	<0.23	9.3	--	--	--	--	--	--	--	--	--	--
SB-13	2/17/16	29.5	4400	16	92	66	340	<0.10	18	--	--	--	--	--	--	--	--	--	--
2005 Cambria Soil Vapor Probe Installation																			
VP-1	04/21/05	5.0	<1.0	0.0006	0.001	<0.001	0.001	0.001	--	--	--	--	--	--	<0.001	--	--	--	--
VP-1	04/21/05	10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	0.0005	--	--	--	--	--	--	<0.001	--	--	--	--
VP-2	04/22/05	5.0	<1.0	0.0007	<0.001	<0.001	0.001	<0.0005	--	--	--	--	--	--	<0.001	--	--	--	--
VP-2	04/22/05	10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	<0.001	--	--	--	--
VP-3	04/22/05	5.0	<1.0	0.0007	0.002	0.001	0.005	<0.0005	--	--	--	--	--	--	<0.001	--	--	--	--
VP-3	04/22/05	10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	<0.001	--	--	--	--
VP-4	04/22/05	5.0	<1.0	0.0008	0.002	0.001	0.007	<0.0005	--	--	--	--	--	--	<0.001	--	--	--	--
VP-4	04/22/05	10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	0.001	--	--	--	--	--	--	<0.001	--	--	--	--
2002 Gettler-Ryan Well Installation																			
MW-8	3/13/2002	6.5	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-8	3/13/2002	11.5	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-8	3/13/2002	16.5	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-8	3/13/2002	21.5	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-8	3/13/2002	30.0	11	0.0062	<0.0050	<0.0050	<0.060	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-9	3/15/2002	11.5	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-9	3/15/2002	21.5	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<0.050	--	--	--	--	--	--	--	--	--	--	--

Table 3

Cumulative Soil Analytical Data
Former Chevron Service Station 93322
7225 Bancroft Avenue
Oakland, California

Sample ID	Sample Date	Sample Depth (fbg)	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylene	MTBE	Napthalene	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol	PAHs	Pesticides	PCBs
			Concentrations reported in milligrams per kilogram (mg/kg)																
LTC - Commercial - 0 to 5 fbg			***NE***	***8.2***	***NE***	***89***	***NE***	***NE***	***45***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***0.68***	***NE***	***NE***
LTC - Commercial - Outdoor Air - 0 to			***NE***	***12***	***NE***	***134***	***NE***	***NE***	***45***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***
LTC - Utility Worker - 0 to 10 fbg			***NE***	***14***	***NE***	***314***	***NE***	***NE***	***219***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***4.5***	***NE***	***NE***
MW-9	3/15/2002	30.0	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-10	3/15/2002	11.5	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-10	3/15/2002	21.5	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-10	3/15/2002	30.0	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<0.050	--	--	--	--	--	--	--	--	--	--	--
2000 Cambria Additional Baseline Investigation																			
SB-4	09/25/00	3.0	<1.0	<0.005	<0.005	<0.005	0.014	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	0.00284b, 0.00208c	<20
SB-4	09/25/00	5.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	0.00307b, 0.00210c	<20
SB-4	09/25/00	10.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	ND	<20
SB-4	09/25/00	15.0	58	0.14	0.24	0.33	0.86	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	ND	<20
SB-4	09/25/00	18.0	96	0.25	0.62	1.3	5.7	<0.10*	0.58	--	--	--	--	--	--	--	0.86a	ND	<20
SB-4	09/25/00	20.0	21	0.25	0.58	0.25	1.3	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	ND	<20
SB-4	09/25/00	24.0	<1.0	<0.005	<0.005	<0.005	0.017	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	ND	<20
SB-5	09/25/00	3.0	<1.0	0.0081	0.0094	0.012	0.014	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	ND	<20
SB-5	09/25/00	5.0	<1.0	0.0051	0.0052	0.01	0.016	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	ND	<20
SB-5	09/25/00	10.0	<1.0	<0.005	<0.005	<0.005	0.016	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	ND	<20
SB-5	09/25/00	16.0	65	0.22	0.27	0.34	0.77	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	0.00746d	<20
SB-5	09/25/00	20.0	19	0.079	0.099	0.083	0.21	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	ND	<20
SB-5	09/25/00	24.0	1,400	3.1	10	28	150	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	ND	<20
SB-6	09/25/00	3.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	ND	<20
SB-6	09/25/00	5.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	ND	<20
SB-6	09/25/00	10.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	0.00163c	<20
SB-6	09/25/00	23.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.10*	<0.10	--	--	--	--	--	--	--	<0.10	ND	<20
2000 Gettler-Ryan Baseline Investigation																			
B-1	07/03/00	10.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.050	--	--	--	--	--	--	--	--	--	--	--
B-1	07/03/00	17.5	<1.0	<0.005	<0.005	<0.005	<0.005	0.083	--	--	--	--	--	--	--	--	--	--	--
B-2	07/03/00	5.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.050	--	--	--	--	--	--	--	--	--	--	--

Table 3

Cumulative Soil Analytical Data
Former Chevron Service Station 93322
7225 Bancroft Avenue
Oakland, California

Sample ID	Sample Date	Sample Depth (fbg)	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylene	MTBE	Napthalene	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol	PAHs	Pesticides	PCBs
			Concentrations reported in milligrams per kilogram (mg/kg)																
LTC - Commercial - 0 to 5 fbg			***NE***	***8.2***	***NE***	***89***	***NE***	***NE***	***45***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***0.68***	***NE***	***NE***
LTC - Commercial - Outdoor Air - 0 to			***NE***	***12***	***NE***	***134***	***NE***	***NE***	***45***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***
LTC - Utility Worker - 0 to 10 fbg			***NE***	***14***	***NE***	***314***	***NE***	***NE***	***219***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***4.5***	***NE***	***NE***
B-2	07/03/00	10.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.050	--	--	--	--	--	--	--	--	--	--	--
B-2	07/03/00	18.0	140	0.88	1.1	5.8	1.1	1.7	--	--	--	--	--	--	--	--	--	--	--
B-3 (MW-7)	07/03/00	10.0	<1.0	0.016	<0.005	<0.005	0.01	<0.050	--	--	--	--	--	--	--	--	--	--	--
B-3 (MW-7)	07/03/00	15.0	94	0.21	0.68	1.9	8.7	<0.050	--	--	--	--	--	--	--	--	--	--	--
B-3 (MW-7)	07/03/00	19.0	58	0.21	0.52	1.2	5.9	<0.050	--	--	--	--	--	--	--	--	--	--	--
1999 Gettler-Ryan Monitoring Well Installation																			
MW-4	1/22/1999	11.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-4	1/22/1999	15.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-4	1/22/1999	20.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-5	1/22/1999	11.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-5	1/22/1999	16.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-5	1/22/1999	21.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-6	1/22/1999	10.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	1/22/1999	11.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-6	1/22/1999	16.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	--	--	--	--	--	--	--	--	--	--	--
MW-6	1/22/1999	21.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	--	--	--	--	--	--	--	--	--	--	--
1998 Gettler-Ryan Well Installation																			
MW-1	1/22/1998	6.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	--	--	--	--	--	--	--	--	--	--	--
MW-1	1/22/1998	11.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	--	--	--	--	--	--	--	--	--	--	--
MW-1	1/22/1998	15.0	23	0.053	0.014	0.28	0.99	0.057	--	--	--	--	--	--	--	--	--	--	--
MW-2	1/22/1998	6.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	--	--	--	--	--	--	--	--	--	--	--
MW-2	1/22/1998	11.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.079	--	--	--	--	--	--	--	--	--	--	--
MW-2	1/22/1998	15.0	8.2	<0.0050	0.022	0.012	0.065	0.40	--	--	--	--	--	--	--	--	--	--	--
MW-3	1/22/1998	6.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	--	--	--	--	--	--	--	--	--	--	--
MW-3	1/22/1998	11.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	--	--	--	--	--	--	--	--	--	--	--

Table 3

Cumulative Soil Analytical Data
Former Chevron Service Station 93322
7225 Bancroft Avenue
Oakland, California

Sample ID	Sample Date	Sample Depth (fbg)	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylene	MTBE	Napthalene	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol	PAHs	Pesticides	PCBs
			Concentrations reported in milligrams per kilogram (mg/kg)																
LTC - Commercial - 0 to 5 fbg			***NE***	***8.2***	***NE***	***89***	***NE***	***NE***	***45***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***0.68***	***NE***	***NE***
LTC - Commercial - Outdoor Air - 0 to			***NE***	***12***	***NE***	***134***	***NE***	***NE***	***45***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***
LTC - Utility Worker - 0 to 10 fbg			***NE***	***14***	***NE***	***314***	***NE***	***NE***	***219***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***4.5***	***NE***	***NE***
MW-3	1/22/1998	16.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	--	--	--	--	--	--	--	--	--	--	--
1996 Touchstone Piping Removal Report																			
P1	8/27/1996	2.0	<1.0	0.011	<0.0050	<0.0050	0.022	0.65	--	--	--	--	--	--	--	--	--	--	--
P2	8/27/1996	2.0	<1.0	<0.0050	<0.0050	<0.0050	0.024	0.47	--	--	--	--	--	--	--	--	--	--	--
P3	8/27/1996	2.0	<1.0	<0.0050	<0.0050	<0.0050	0.0074	0.15	--	--	--	--	--	--	--	--	--	--	--
P4	8/27/1996	2.0	<1.0	<0.0050	<0.0050	<0.0050	0.011	0.19	--	--	--	--	--	--	--	--	--	--	--
P5	8/27/1996	3.0	<1.0	<0.0050	0.0095	<0.0050	0.0072	<0.025	--	--	--	--	--	--	--	--	--	--	--
P6	8/27/1996	4.0	500	<1.0	8.1	7.3	59	<5.0	--	--	--	--	--	--	--	--	--	--	--
P7	8/27/1996	3.0	200	4.2	13	4.5	31	<5.0	--	--	--	--	--	--	--	--	--	--	--
P8	8/27/1996	3.0	250	1.6	10	5.3	32	<5.0	--	--	--	--	--	--	--	--	--	--	--
P9	8/27/1996	4.0	<1.0	<0.0050	0.0095	<0.0050	<0.0050	<0.025	--	--	--	--	--	--	--	--	--	--	--
P10	8/27/1996	4.0	40	0.33	1.8	0.56	1.7	1.1	--	--	--	--	--	--	--	--	--	--	--
P11	8/27/1996	3.0	<1.0	<0.0050	0.0095	<0.0050	0.0082	0.092	--	--	--	--	--	--	--	--	--	--	--
P12	8/27/1996	3.0	6	0.059	0.011	0.015	0.35	0.65	--	--	--	--	--	--	--	--	--	--	--

Notes:

Total petroleum hydrocarbons as gasoline (TPHg) analyzed by EPA Method 8015 unless otherwise noted.
Benzene, toluene, ethylbenzene, and xylenes analyzed by EPA Method 8260B; before February 26, 2008, analyzed by EPA Method 8020 unless otherwise noted
Methyl tertiary-butyl ether (MTBE) analyzed by EPA Method 8260B after 1998 and by EPA Method 8020 from 1998 and prior
T-butyl alcohol (TBA); di-isopropyl ether (DIPE); ethyl tertiary-butyl ether (ETBE); t-amyl methyl ether (TAME); 1,2-dichloroethane (1,2-DCA); 1,2-dibromoethane (EDB) and ethanol analyzed by EPA Method 8260B
Polyciclic aromatic hydrocarbons (PAHs) analyzed by EPA Method 8270B
Pesticides and polychlorinated biphenyls (PCBs) by EPA Method 8081A and 8082
NE = Not established
<x = Not detected at reporting limit x
--- = Not analyzed
fbg = feet below grade
ND = not detected above stated laboratory method detection limits
LTC = Low-threat Underground Storage Tank Case Closure Policy Criteria - California State Water Resources Control Board (SWRCB), August 2012, Low-Threat Udnerground Storage Tank Policy.
J = Estimated value ≥ Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
a = 2-methylnaphthalene
b = Aldrin
c = heptaclor
d = delta-BHC

Table 4

Cumulative Soil Vapor Analytical Data
Former Chevron Service Station 93322
7225 Bancroft Avenue
Oakland, California

Sample ID	Sample Date	Probe Depth Interval (fbg)	TPHg	C5-C6 Aliphatic Hydrocarbons	>C6-C8 Aliphatic Hydrocarbons	>C8-C10 Aliphatic Hydrocarbons	>C10-C12 Aliphatic Hydrocarbons	>C8-C10 Aromatic Hydrocarbons	>C10-C12 Aromatic Hydrocarbons	Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	MTBE	TBA	DIPE	ETBE	TAME	1,2 DCA	EDB	Ethanol	Naphthalene EPA Method TO-15	Naphthalene EPA Method TO-17	2-propanol[A]	Isobutane[A]	Helium	Oxygen	Carbon Dioxide	Nitrogen	Methane
			Concentrations reported in micrograms per cubic meter - (µg/m^3)																								Concentrations reported in % volume				
LTP- Soil Gas-Scenario 4, Oxygen < 4%																															
Residential			***NE***							***<85***	***NE***	***<1,100***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***<93***	***<93***	***NE***	***NE***	***NE***	***<4***	***NE***	***NE***	***NE***
Commerical			***NE***							***<280***	***NE***	***<3,600***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***<310***	***<310***	***NE***	***NE***	***NE***	***<4***	***NE***	***NE***	***NE***
LTP- Soil Gas-Scenario 4, Oxygen > 4%																															
Residential			***NE***							***<85,000***	***NE***	***<1,100,000***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***<93,000***	***<93,000***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***
Commerical			***NE***							***<280,000***	***NE***	***<3,600,000***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***<310,000***	***<310,000***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***
VP-1	06/13/17	5.0-6.5	**3,100**	**85**	**1,200**	<150	**370**	<130	<140	**4.5**	**8.6**	<5.6	<5.6	<5.6	**290**	--	--	--	--	--	--	--	<14	<5.0	--	--	<0.13	1.5	14	84	0.28
VP-1		LAB DUPLICATE	**2,900**	**86**	**1,100**	**300**	**430**	<130	<140	<4.1	**8.7**	<5.6	<5.6	<5.6	**300**	--	--	--	--	--	--	--	<14	<5.0	--	--	<0.13	1.4	15	83	0.28
VP-1	02/25/16	5.0-6.5	1,300	99	340	<140	290	<120	<130	11	8.0	<5.3	9.9	<5.3	360	--	--	--	--	--	--	--	<13	<5.0	--	--	<0.12	1.6	12	86	0.36
VP-1	05/23/08	5.0-6.5	2,700	--	--	--	--	--	--	4.5	<4.6	<5.4	<5.4	<5.4	410	<15	21	27	21	<5.0	<9.5	10	<26	--	--	--	<0.12	1.4	11	--	--
VP-1	09/29/06	5.0-6.5	1,100	--	--	--	--	--	--	<3.6	6.6	<5.5	5.1	<5.0	660	<14	<19	<19	<19	<4.6	<8.8	<8.6	--	--	--	67	--	12	7.5	--	--
VP-1		LAB DUPLICATE	--	--	--	--	--	--	--	<3.6	6.7	<5.0	5.4	<5.0	660	<14	<19	<19	<19	<4.6	<8.8	<8.6	--	--	--	52	--	--	--	--	--
VP-1*	08/11/05	5.0-6.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	07/18/05	5.0-6.5	33,000	--	--	--	--	--	--	<39	52	<52	<52	<52	260	--	--	--	--	--	--	--	--	--	350	--	--	15	1.0	--	--
VP-1	04/21/05	5.0-6.5	79,000	--	--	--	--	--	--	<33	49	<45	<45	<45	660	--	--	--	--	--	--	--	--	--	170	--	--	9.2	0.9	--	--
VP-1	06/13/17	7.5-9.0	**2,900**	**680**	**1,000**	<140	**170**	<120	<130	<3.8	14	<5.1	<5.1	<5.1	230	--	--	--	--	--	--	--	<12	<5.0	--	--	<0.12	9.3	7.4	83	0.086
VP-1	05/23/08	7.5-9.0	13,000	--	--	--	--	--	--	<7.9	<9.3	<11	<11	<11	660	<30	<41	61	<41	<10	<19	<19	<52	--	--	--	--	1.5	12	--	--
VP-1 DUP	05/23/08	7.5-9.0	13,000	--	--	--	--	--	--	<7.9	<9.3	<11	<11	<11	660	<30	<41	52	<41	<10	<19	<19	<52	--	--	--	<0.12	1.4	12	--	--
VP-1	09/29/06	7.5-9.0	12,000	--	--	--	--	--	--	17	5.1	<4.8	<4.8	<4.8	910	<13	<18	83	<18	<4.4	<8.4	<8.3	--	--	--	76	--	2.9	14	--	--
VP-1 DUP	09/29/06	7.5-9.0	12,000	--	--	--	--	--	--	17	5.3	<4.9	<4.9	<4.9	880	<14	<19	79	<19	<4.5	<8.6	9.6	--	--	--	81	--	2.6	14	--	--
VP-1 DUP		LAB DUPLICATE	11,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-1*	08/11/05	7.5-9.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	07/18/05	7.5-9.0	40,000	--	--	--	--	--	--	<38	110	<52	72	<52	370	--	--	--	--	--	--	--	--	--	190	--	--	8.2	11	--	--
VP-1	04/21/05	7.5-9.0	11,000	--	--	--	--	--	--	<39	<46	<54	<54	<54	570	--	--	--	--	--	--	--	--	--	450	--	--	7.6	8.2	--	--
VP-1	06/13/17	10.0-11.5	**14,000**	**3,400**	**7,100**	<140	**250**	<120	<130	<3.7	<4.4	<5.1	<5.1	<5.1	190	--	--	--	--	--	--	--	<12	<5.0	--	--	<0.12	1.6	12	86	0.18
VP-1	05/23/08	10.0-11.5	34,000	--	--	--	--	--	--	<15	<18	<21	<21	<21	390	<59	<81	<81	<81	<20	<37	<36	<100	--	--	--	<0.12	1.3	12	--	--
VP-1	09/29/06	10.0-11.5	13,000	--	--	--	--	--	--	23	11	<5.0	<5.0	<5.0	490	<14	<19	47	<19	<4.6	<8.8	<8.6	--	--	--	69	--	1.8	15.0	--	--
VP-1	08/11/05	10.0-11.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	07/18/05	10.0-11.5	94,000	--	--	--	--	--	--	<35	61	<48	<48	<48	70	--	--	--	--	--	--	--	--	--	96	--	--	9.6	7.5	--	--
VP-1	04/21/05	10.0-11.5	6,300	--	--	--	--	--	--	<39	<46	<54	<54	<54	280	--	--	--	--	--	--	--	--	--	850	--	--	8.1	9.3	--	--
VP-2	06/13/17	5.0-6.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	05/23/08	5.0-6.5	570	--	--	--	--	--	--	4.5	18	<5.5	5.6	<5.5	<4.6	<15	<21	<21	<21	<5.1	<9.7	16	--	--	--	--	4.2	20	0.34	--	--
VP-2	09/28/06	5.0-6.5	520	--	--	--	--	--	--	<3.7	<4.4	<5.0	<5.0	<5.0	14	<14	<19	<19	<19	<4.7	<9.0	<8.8	--	--	--	150	--	18	2.1	--	--
VP-2*	08/11/05	5.0-6.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	07/18/05	5.0-6.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	04/22/05	5.0-6.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	06/13/17	7.5-9.0	<470	<75	<95	<140	<160	<110	<130	<3.7	**7.6**	<5.0	<5.0	<5.0	<17	--	--	--	--	--	--	--		<5.0	--	--	<0.12	15	2.9	82	<0.00023
VP-2	05/23/08	7.5-9.0	3,400	--	--	--	--	--	--	4.4	11	<5.7	<5.7	<5.7	14	--	<22	<22	<22	<5.3	<10	49	--	--	--	--	0.15	3.6	7.4	--	--
VP-2	09/28/06	7.5-9.0	500	--	--	--	--	--	--	<3.6	<4.3	5.3	21	7.3	34	<14	<19	<19	<19	<4.6	<8.8	<8.6	--	--	--	67	--	3.6	9.9	--	--
VP-2*	08/11/05	7.5-9.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	07/18/05	7.5-9.0	8,400	--	--	--	--	--	--	<39	<46	<52	<52	<52	<44	--	--	--	--	--	--	--	--	--	44	--	--	6.6	7.8	--	--
VP-2 DUP	07/18/05	7.5-9.0	8,700	--	--	--	--	--	--	<37	<44	<50	<50	<50	<42	--	--	--	--	--	--	--	--	--	82	--	--	6.5	8.2	--	--
VP-2	04/22/05	7.5-9.0	49,000	--	--	--	--	--	--	<39	<46	<54	<54	<54	<44	--	--	--	--	--	--	--	--	--	110,000[B]	--	--	7.8	5.5	--	--
VP-2 DUP	04/22/05	7.5-9.0	50,000	--	--	--	--	--	--	<36	<42	<49	<49	<49	<40	--	--	--	--	--	--	--	--	--	110,000[B]	--	--	7	5.9	--	--
VP-2	06/13/17	10.0-11.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	05/23/08	10.0-11.5	10,000	--	--	--	--	--	--	7.2	100	21	72	26	10	<15	<21	<21	<21	<5	<9.5	22	--	--	--	--	1.2	8.1	5.3	--	--
VP-2	09/28/06	10.0-11.5	20,000	--	--	--	--	--	--	<5.8	<6.9	<7.9	<7.9	<7.9	31	<22	<30	<30	<30	<7.4	<14	<14	--	--	--	380	--	3.2	10	--	--
VP-2*	08/11/05	10.0-11.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	07/18/05	10.0-11.5	5,900	--	--	--	--	--	--	<36	<43	<50	<50	<50	<41	--	--	--	--	--	--	--	--	--	<28	--	--	12	4.4	--	--
VP-2	04/22/05	10.0-11.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-3	06/13/17	5.0-6.5	<470	<74	<93	<130	<160	<110	<120	<3.6	<4.3	<4.9	<5.0	<5.0	<16	--	--	--	--	--	--	--	<12	--	--	--	<0.11	10	8.2	82	<0.00023
VP-3	02/25/16	5.0-6.5	<440	<69	210	<120	<150	<100	<120	<3.4	<4.0	<4.6	<4.6	<4.6	<3.8	--	--	--	--	--	--	--	<11	6.6	--	--	<0.11	19	1.0	80	0.00023
VP-3	05/23/08	5.0-6.5	940	--	--	--	--	--	--	<3.9	220	<5.4	7.8	<5.4	<4.4	<15	<21	<21	<21	<5	<9.5	<9.5	<26	--	--	--	<0.12	6.4	6.3	--	--
VP-3		LAB DUPLICATE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.12	6.4	6.3	--	--
VP-3	09/28/06	5.0-6.5	<240	--	--	--	--	--	--	<3.7	<4.4	<5.0	<5.0	<5.0	<4.2	<14	<19	<19	<19	<4.7	<9.0	<8.8	--	--	--	404	--	22	0.065	--	--
VP-3	08/11/05	5.0-6.5	330,000	--	--	--	--	--	--	220	<42	1,100	890	<49	<40	--	--	--	--	--	--	--	--	--	110	--	--	--	--	--	--
VP-3	07/18/05	5.0-6.5	54, 000	--	--	--	--	--	--	<140	<170	<190	<190	<190	<160	--	--	--	--	--	--	--	--	--	<58,000	--	--	4.4	8.4	--	--
VP-3	04/22/05	5.0-6.5	36,000	--	--	--	--	--	--	<39	<46	<54	<54	<54	<44	--	--	--	--	--	--	--	--	--	79,000[B]	--	--	14	2.8	--	--
VP-3	06/13/17	7.5-9.0	<490	<77	<98	<140	<160	<120	<130	<3.8	8.9	<5.2	<5.2	<5.2	<17	--	--	--	--	--	--	--	<12	<5.0	--	--	<0.12	15	3.8	81	<0.00024
VP-3 DUP	05/23/08	7.5-9.0	1,400	--	--	--	--	--	--	<4.0	490	8.5	16	7.7	<4.6	<15	<21	<21	<21	<5.1	<9.7	<9.5	--	--	--	--	0.3	6.6	6	--	--
VP-3 DUP		LAB DUPLICATE	--	--	--	--	--	--	--	<4.0	470	8.4	15	8.0	<4.6	<15	<21	<21	<21	<5.1	<9.7	<9.5	<26	--	--	--	0.3	6.6	6	--	--
VP-3	09/28/06	7.5-9.0	260	--	--	--	--	--	--	<3.9	11	<5.2	<5.2	<5.2	<4.4	<15	<20	<20	<20	<4.9	<9.3	<9.1	--	--	--	ND	--	6.7	10	--	--
VP-3 DUP	09/28/06	7.5-9.0	540	--	--	--	--	--	--	3.8	18	<4.8	4.7 J	<4.8	<4.0	<13	<18	<18	<18	<4.4	<8.4	13	--	--	--	ND	--	6.7	11	--	--
VP-3	08/11/05	7.5-9.0	48,000	--	--	--	--	--	--	<36	<42	210	130	<49	<40	--	--	--	--	--	--	--	--	--	740	--	--	--	--	--	--
VP-3	07/18/05	7.5-9.0	19,000	--	--	--	--	--	--	<65	<76	<88	<88	<88	<73	--	--	--	--	--	--	--	--	--	<26,000	--	--	4.7	7.9	--	--
VP-3	04/22/05	7.5-9.0	2,300,000	--	--	--	--	--	--	<40	<48	<55	<55	<55	<46	--	--	--	--	--	--	--	--	--	>1,000,000	--	--	21	0.2	--	--

Table 4

Cumulative Soil Vapor Analytical Data
Former Chevron Service Station 93322
7225 Bancroft Avenue
Oakland, California

Sample ID	Sample Date	Probe Depth Interval (fbg)	TPHg	C5-C6 Aliphatic Hydrocarbons	>C6-C8 Aliphatic Hydrocarbons	>C8-C10 Aliphatic Hydrocarbons	>C10-C12 Aliphatic Hydrocarbons	>C8-C10 Aromatic Hydrocarbons	>C10-C12 Aromatic Hydrocarbons	Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	MTBE	TBA	DIPE	ETBE	TAME	1,2 DCA	EDB	Ethanol	Naphthalene EPA Method TO-15	Naphthalene EPA Method TO-17	2-propanol[A]	Isobutane[A]	Helium	Oxygen	Carbon Dioxide	Nitrogen	Methane
			Concentrations reported in micrograms per cubic meter - (µg/m^3)																								Concentrations reported in % volume				
LTP- Soil Gas-Scenario 4, Oxygen < 4%																															
Residential			***NE***							***<85***	***NE***	***<1,100***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***<93***	***<93***	***NE***	***NE***	***NE***	***<4***	***NE***	***NE***	***NE***
Commerical			***NE***							***<280***	***NE***	***<3,600***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***<310***	***<310***	***NE***	***NE***	***NE***	***<4***	***NE***	***NE***	***NE***
LTP- Soil Gas-Scenario 4, Oxygen > 4%																															
Residential			***NE***							***<85,000***	***NE***	***<1,100,000***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***<93,000***	***<93,000***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***
Commerical			***NE***							***<280,000***	***NE***	***<3,600,000***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***<310,000***	***<310,000***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***
VP-3	06/13/17	10.0-11.5	<4800	<760	<970	<1400	<1600	<1200	<1300	<38	<44	<51	<51	<51	<170	--	--	--	--	--	--	--	<120	<5.0	--	--	<0.12	18	1.3	81	<0.00024
VP-3	05/23/08	10.0-11.5	5,700	--	--	--	--	--	--	<7.3	2500	47	91	40	<8.2	<28	<38	<38	<38	<9.3	<18	<17	<48	--	--	--	0.29	12	3.2	--	--
VP-3	09/28/06	10.0-11.5	970	--	--	--	--	--	--	5.2	16	<5.4	<5.4	<5.4	<4.4	<15	<21	<21	<21	<5.0	<9.5	<9.3	--	--	--	ND	--	3.7	6.4	--	--
VP-3	08/11/05	10.0-11.5	19,000	--	--	--	--	--	--	<38	<45	70	60	<52	<43	--	--	--	--	--	--	--	--	--	3,900	--	--	--	--	--	--
VP-3 DUP	08/11/05	10.0-11.5	18,000	--	--	--	--	--	--	<40	<48	66	<55	<55	<46	--	--	--	--	--	--	--	--	--	3,900	--	--	--	--	--	--
VP-3	07/18/05	10.0-11.5	10,000	--	--	--	--	--	--	<34	<41	<47	<47	<47	<39	--	--	--	--	--	--	--	--	--	<13,000	--	--	4.5	5.2	--	--
VP-3	LAB DUPLICATE		10,000	--	--	--	--	--	--	<34	<41	<47	<47	<47	<39	--	--	--	--	--	--	--	--	--	<13,000	--	--	4.5	5.2	--	--
VP-3	04/22/05	10.0-11.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	06/13/17	5.0-6.5	**2,100,000**	**89,000**	**1,600,000**	**180,000**	<15000	<11000	<12000	<350	<410	<470	<470	<470	<1600	--	--	--	--	--	--	--	<1100	<5.0	--	--	<0.13	2.5	16.0	80	1.4
VP-4	02/25/16	5.0-6.5	1,500,000	100,000	1,400,000	170,000	<22,000	<16,000	<18,000	<520	<610	<700	<700	<700	<580	--	--	--	--	--	--	--	<1,700	<5.0	--	--	<0.13	1.6	12	82	4.8
VP-4 DUP	02/25/16	5.0-6.5	1,600,000	100,000	1,400,000	180,000	<22,000	<16,000	<18,000	<520	<610	<700	<700	<700	<580	--	--	--	--	--	--	--	<1,700	<5.0	--	--	<0.13	1.6	12	82	4.8
VP-4	05/23/08	5.0-6.5	2,100,000	--	--	--	--	--	--	<170	<200	<230	<230	<230	260	<650	<900	<900	<900	<220	<410	<410	<1100	--	--	--	<0.11	1.3	18	--	--
VP-4	09/29/06	5.0-6.5	1,500,000	--	--	--	--	--	--	<91	<110	<120	<120	<120	210	<350	<480	<480	<480	<120	<220	<220	--	--	--	ND	--	7.8	14	--	--
VP-4	08/11/05	5.0-6.5	2,300,000	--	--	--	--	--	--	150	<43	60	120	<50	540	--	--	--	--	--	--	--	--	--	48	--	--	--	--	--	--
VP-4	07/18/05	5.0-6.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	04/22/05	5.0-6.5	1,800,000	--	--	--	--	--	--	<39	97	<54	97	<54	220	--	--	--	--	--	--	--	--	--	>650,000	--	--	13	6.0	--	--
VP-4	06/13/17	7.5-9.0	**240,000**	**23,000**	**180,000**	**14,000**	**2,900**	<1600	<1800	<53	<63	<72	<72	<72	<240	--	--	--	--	--	--	--	<180	<5.0	--	--	0.41	10	5.5	84	0.013
VP-4	05/23/08	7.5-9.0	2,700,000	--	--	--	--	--	--	<790	<930	<1100	<1100	<1100	<890	<3000	<4100	<4100	<4100	<1000	<1900	<1100	--	--	--	--	<0.12	1.2	15	--	--
VP-4	09/29/06	7.5-9.0	2,800,000	--	--	--	--	--	--	<180	<210	<240	<240	<240	410	<680	<940	<940	<940	<230	<430	<420	--	--	--	ND	--	5.1	16	--	--
VP-4	08/11/05	7.5-9.0	1,800,000	--	--	--	--	--	--	120	<42	<49	79	<49	700	--	--	--	--	--	--	--	--	--	690	--	--	--	--	--	--
VP-4	07/18/05	7.5-9.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	04/22/05	7.5-9.0	1,300,000	--	--	--	--	--	--	<39	99	<54	110	<54	340	--	--	--	--	--	--	--	--	--	>420,000	--	--	15	5.5	--	--
VP-4	06/13/17	10.0-11.5	**4,900,000**	**1,200,000**	**2,200,000**	**210,000**	<28000	<20000	<22000	<650	<760	<880	<880	<880	<2900	--	--	--	--	--	--	--	<2100	<5.0	--	--	<0.12	6.8	7.9	85	0.62
VP-4	05/23/08	10.0-11.5	15,000,000	--	--	--	--	--	--	<1500	2,600	<2000	<2000	<2000	<1700	<5600	<7800	<7800	<7800	<1900	<3600	<3500	<9800	--	--	--	<0.12	3.2	11	--	--
VP-4	09/29/06	10.0-11.5	42,000,000	--	--	--	--	--	--	180,000	440,000	430,000	250,000	<99,000	<82,000	<280,000	<380,000	<380,000	<380,000	<93,000	<180,000	<170,000	--	--	--	1,854,135	--	1.9	16	--	--
VP-4	08/11/05	10.0-11.5	25,000,000	--	--	--	--	--	--	19,000	<1700	48,000	34,000	<1,900	<1,600	--	--	--	--	--	--	--	--	--	<1,100	--	--	--	--	--	--
VP-4	07/18/05	10.0-11.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	04/22/05	10.0-11.5	280,000	--	--	--	--	--	--	<40	48	<55	<55	<55	<46	--	--	--	--	--	--	--	--	--	340,000[B]	--	--	21	0.2	--	--
VP-4	LAB DUPLICATE		270,000	--	--	--	--	--	--	41	<48	<55	<55	<55	<46	--	--	--	--	--	--	--	--	--	370,000[B]	--	--	--	--	--	--

Notes:

Total petroleum hydrocarbons as gasoline (TPHg) by Modified EPA Method TO-15 before 3Q06 and by Modified EPA Method TO-3 after 3Q06.
C5-C6 aliphatic hydrocarbons, >C6-C8 aliphatic hydrocarbons, >C8-C10 aliphatic hydrocarbons, >C10-C12 aliphatic hydrocarbons, >C8-C10 aromatic hydrocarbons, and >C10-C12 aromatic hydrocarbons by Modified EPA Method TO-15 GC/MS Full Scan.

Benzene, toluene, ethylbenzene and xylenes (BTEX), methyl tertiary butyl ether (MTBE), tert-Butyl alcohol (TBA), isopropyl ether (DIPE), ethyl-tert-butyl ether (ETBE), tert-amyl methyl ether (TAME), 1,2-dicholoroethane (1,2-DCA), 1,2-dibromoethane (EDB), ethanol, naphthalene, 2-propanol and isobutane by Modified EPA Method TO-14A in 2005 and by Modified EPA Method TO-15 after 2005.

Helium, oxygen and carbon dioxide by ASTM D-1946.
fbg = Feet below grade.
<x = Not detected above method detection limit.
ND = Not detected above laboratory method detection limit, no detection limit reported.
NE = Not established
>xxx = Labortory report indicates saturated peak, data reported as estimated

A = 2-propanol and isobutane were used as leak test compounds per DTSC guidelines in Advisory - Active Soil Gas Investigations, published January 2003. Originally reported in part per billion by volume (ppbv) and converted to µg/m3 using Air Toxics Units Conversion Calculator
B = Exceeded laboratory instrument calibration range
* = Only soil vapor probes VP-3 and VP-4 were sampled during the August, 2005 resampling event.

Appendix A
Regulatory Correspondence

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
REBECCA GEBHART, Acting Director

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

July 1, 2016

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

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

Mr. Amardeep Sidhu
Malwa Petroleum Sales, LLC
Address Unknown

Mike and Dean Najdawi
Address Unknown

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

Dear Responsible Parties:

Alameda County Department of Environmental Health (ACDEH) staff has reviewed the case file including the *Site Investigation Report and Updated Site Conceptual Model,* dated May 6, 2016, and the *First Quarter 2016 Groundwater Monitoring and Sampling Report,* dated May 16, 2016. The reports were prepared and submitted on your behalf by GHD Services, Inc (GHD). Thank you for submitting the reports.

The referenced Site Investigation and Site Conceptual Model (SCM) additionally included a work plan for the installation of two groundwater monitoring wells to aid in definition of the groundwater hydrocarbon plume and also proposed resampling existing soil vapor wells. ACDEH is in agreement that installation of the two wells is a reasonable step; however, depending on the results of the proposed work, observes that additional wells may be required to define the extent of the groundwater hydrocarbon plume to the southwest, southeast, and east.

Based on ACDEH 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 Modification** – The referenced work plan proposes a series of actions with which ACDEH is in general agreement of undertaking; however, ACDEH requests one modification to the proposes scope of work. Please submit a report by the date specified below.

    a. **Soil Vapor Sampling** – In order to be protective of downgradient offsite residential homes, ACDEH is in agreement that additional seasonal soil vapor sampling is appropriate at the site. It is understood that moisture in existing vapor well VP-2 tubing prevented vapor sampling in February 2016 from the well; however, ACDEH observes that vapor wells VP-2

and VP-3 are the closest to the residential properties and it is therefore especially important to collect samples from these vapor wells. Pleas continue to collect and report oxygen, carbon dioxide, methane, tracer concentrations in the vapor sample, tracer concentrations in the shroud, and naphthalene by TO-17 in compliance with Department of Toxic Substances Control (DTSC) guidance.

b. **Soil Sample Selection Protocols** – The work plan proposes to collect and retain for laboratory analysis soil samples at a depth of 3 and 5 feet below grade surface (bgs), and at five foot intervals thereafter. The work plan additionally states that soil will additionally be collected in conjunction with lithology changes, photoionization detections, and other signs of contamination such as discoloration, and etc. In addition to collection, please ensure that each of these soil samples is submitted for laboratory analysis.

2. **Interim Remedial Actions** – As stated in the December 1, 2014 directive letter, ACDEH is not in agreement with the conclusions regarding the presence of significant elevated concentrations of TPHg and benzene in groundwater at the site. Over the past three years, concentrations of TPHg continue to fluctuate up to 140,000 micrograms per liter (µg/l) and benzene up to 18,000 µg/l during periods of lower water levels, and appear to suggest drainage from residual soil sources during the dryer months. As stated in the referenced directive letter, the groundwater concentrations are indicative of substantial residual contamination at the site, and may be indicative of Light Non Aqueous Phase Liquids (LNAPL) beneath the site. Whether the hydrocarbon concentrations in groundwater from well MW-1 is LNAPL, or is surfactant carried contaminant concentrations, it is appropriate to implement Interim Remedial Actions at the site.

   Therefore, ACDEH requests the identification, installation, and reporting of an appropriate continuous interim LNAPL recovery method by the date identified below, to address the significant concentrations of hydrocarbons in groundwater at the site.

TECHNICAL REPORT REQUEST

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

- **August 19, 2016** – Second Quarter 2015 Groundwater Monitoring Report
  File to be named: RO274_GWM_R_yyyy-mm-dd
- **August 26, 2016** – Interim Remedial Action Plan
  File to be named: RO274_IRAP_R_yyyy-mm-dd
- **September 16, 2016** – Site Investigation Report and Updated SCM
  File to be named: RO274_SWI_R_yyyy-mm-dd
- **November 18, 2016** – Second Quarter 2015 Groundwater Monitoring Report
  File to be named: RO274_GWM_R_yyyy-mm-dd

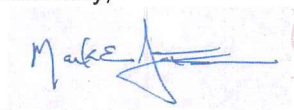
These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance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

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

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

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

Sincerely,



Digitally signed by Mark Detterman
DN: cn=Mark Detterman, o=ACEH, ou=ACEH, email=mark.detterman@acgov.org, c=US
Date: 2016.07.01 17:18:39 -07'00'

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

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

cc: Kiersten Hoey, GHD Services, Inc, 5900 Hollis Street, Suite A, Emeryville, CA 94608; (Sent via electronic mail to: kiersten.hoey@ghd.com)

Dilan Roe, ACDEH, (Sent via electronic mail to: dilan.roe@acgov.org)
Mark Detterman, ACDEH, (Sent via electronic mail to: mark.detterman@acgov.org)
Electronic file, GeoTracker

Attachment 1

Responsible Party(ies) Legal Requirements / Obligations

REPORT REQUESTS

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

ELECTRONIC SUBMITTAL OF REPORTS

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

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.

Appendix B
Summary of Environmental Remediation and Investigation

Appendix B Summary of Environmental Investigation and Remediation Former Chevron Service Station 93322

1981 UST Removal and Replacement

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

August 1996 Product Line Removal and Replacement

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

January 1998 Well Installation

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

July 1998 Well Survey

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

January 1999 Well Installation

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

July 2000 Baseline Investigation

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

September 2000 Additional Baseline Investigation

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

March 2002 Well Installation

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

March 2005 Vapor Probe installation

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

September 2007 Surfactant Application

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

Appendix C
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: 05/26/2017 By jamesy

Permit Numbers: W2017-0469 to W2017-0470
Permits Valid from 06/06/2017 to 06/07/2017

Application Id: 1493334972968
City of Project Site: Oakland
Site Location: 7225 Bancroft Avenue, Oakland
Project Start Date: 06/06/2017
Completion Date: 06/07/2017
Assigned Inspector: Contact Lindsay Furuyama at (925) 956-2311 or Lfuruyama@groundzonees.com

Applicant:	GHD - Kiersten Hoey 5900 Hollis Street, Suite A, Emeryville, CA 94608	**Phone:** 510-420-3347
Property Owner:	Dean Najdawi 5 Kingswood Circle, Hillsborough, CA 94010	**Phone:** --
Client:	Chevron Environmental Management Company 6001 Bollinger Canyon Rd, San Ramon, CA 94583	**Phone:** --
Contact:	Jessica Hudnall	**Phone:** 510-420-3372 **Cell:** 949-836-8218

Total Due: $794.00
Receipt Number: WR2017-0256 **Total Amount Paid:** $794.00
Payer Name : GHD Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Well Construction-Monitoring-Monitoring - 2 Wells
Driller: Gregg Drilling - 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
W2017-0469	05/26/2017	09/04/2017	MW-11	8.00 in.	2.00 in.	23.00 ft	35.00 ft
W2017-0470	05/26/2017	09/04/2017	MW-12	8.00 in.	2.00 in.	23.00 ft	35.00 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.

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 30 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.

11. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.

#746105-77-05/08/17-Check **JOB SITE**

Permits for which no major inspection [redacted] final.

- SL and X permits valid 90 days
- CGS permit valid 30 days

CHECK REVERSE →

CITY OF OAKLAND

CITY OF OAKLAND

DEPT OF PUBLIC WORKS 4th FLOOR

250 FRANK H. OGAWA PLAZA ▪ [redacted] ▪ OAKLAND, CA 94612

Planning and Building Department
www.oaklandnet.com

To schedule inspection
Email: pwa_inspections@oaklandnet.com or call 510-238-3651

[redacted]

Permit No: X1700530 OPW - Excavation **Filed Date:** 5/8/2017

Job Site: 7225 BANCROFT AVE [redacted]

Parcel No: 039 330003003

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

District:

Project Description: Installation of Monitoring well(s) on 7225 Bancroft Ave. No impact on traffic lane or sidewalk allowed. Please see Map. Ensure that environmental controls are in place to prevent dust/debris/waste water from contaminating environment.
If working within 25' feet of a monument you must comply with State Law 8771, contact the Inspector prior to starting excavation: minimum $5,800.00 fine for non-compliance.
Comply with all terms of City of Oakland Public Works Standards, Street Excavation Rules, Revised March 2015 and City Council Ordinance No. 13300 C.M.S. Five day prior notice required for work lasting five days or less in business/commercial districts; 72 hour notice in residential districts. Ten day prior notice required for work lasting six days or more in all districts.
Call PWA INSPECTION prior to start: 510-238-3651. email PWA_inspections@oaklandnet.com.
Contact: 925-313-5800

Related Permits:

ADDRESS

	Name	Applicant	Address	Phone	License #
Owner:	7225 BANCROFT ST LP		5 KINGSWOOD CIR HILLSBOROUGH, CA		
Contractor:	GREGG DRILLING & TESTING INC		2726 WALNUT AVENUE SIGNAL HILL, CA	(562) 427-6899	485165
Contractor-Employee:	KIERSTEN HOEY	X	2726 WALNUT AVENUE SIGNAL HILL, CA	925-313-5800	

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:

YC 5/8

APPLICATION

TOTAL FEES TO BE PAID AT FILING: $449.09

Application Fee	$70.00	Excavation - Private Party Type	$321.36	Records Management Fee	$37.18
Technology Enhancement Fee	$20.55				

SPECIAL NOTE

- SL; X; and CGS permits: prior to start, email pwa_inspections@oaklandnet.com or call 510-238-3651
- SL and X permits valid 90 days
- CGS permit valid 30 days

JOB SITE

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.

- SL and X permits valid 90 days
- CGS permit valid 30 days

CHECK REVERSE

CITY OF OAKLAND

DEPT OF PUBLIC WORKS 4th FLOOR

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

Planning and Building Department
www.oaklandnet.com

To schedule inspection
Email: pwa_inspections@oaklandnet.com or call 510-238-3651

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

Permit No: OB1700597 Obstruction **Filed Date:** 5/8/2017

Job Site: 7122 HALLIDAY AVE

Schedule inspection by calling: 510-238-3444

Parcel No: 039 330003500

District:

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

Project Description: Reserve 1 NON-METERED parking space(s) in front of parcel only for geophysical, dumpster, construction vehicle, moving van or storage pod. Post No-parking signs 72 hours prior in residential areas. No impact on traffic lane or sidewalk allowed. No-parking signs picked up by applicant after payment, 4TH FLOOR. To Have Illegally Parked Vehicle Ticketed Call 510-777-3333. Applicant arranges towing. Comply with terms set forth in CVC Section 22651 (m). For Towed Vehicle: Call 510-238-3021. Please call OPD and Fire Department for road closure. Contact: 510420-3347 5104200700 related permit:ENMI16172

Related Permits:

	Name	Applicant	Address	Phone	License #
Owner:	SMITH MERLE E TR & EDSMAN OLGA Z TR		PO BOX 43234 OAKLAND, CA		
Contractor-Employee:	KIERSTEN HOEY	X	OAKLAND, CA	510-420-3347	

ADDRESS

PERMIT DETAILS: Building/Public Use/Activity/Obstructions

Work Information

Start Date: 05/18/2017
End Date: 05/18/2017

Obstruction Permit Type: Short Term (Max 14 Days)
Number of Meters (Metered Area):
Length Of Obstruction (Unmetered Area): 25

TOTAL FEES TO BE PAID AT FILING: $99.84

Application Fee	$70.00	Records Management Fee	$8.27	Short Term Permits	$17.00
Technology Enhancement Fee	$4.57				

Plans Checked By _____ Date _____ Permit Issued By YL Date 5/8

Finalized By _____ Date _____

APPLICATION

SPECIAL NOTE

- SL; X; and CGS permits: prior to start, email pwa_inspections@oaklandnet.com or call 510-238-3651
- SL and X permits valid 90 days • CGS permit valid 30 days

JOB SITE

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.

- SL and X permits valid 90 days
- CGS permit valid 30 days

CHECK REVERSE

CITY OF OAKLAND

CITY OF OAKLAND

DEPT OF PUBLIC WORKS 4th FLOOR

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

Planning and Building Department
www.oaklandnet.com

To schedule inspection
Email: pwa_inspections@oaklandnet.com or call 510-238-3651

PH: 510-238-3651
FAX: 510-238-2263
TDD: 510-238-3254

Permit No: OB1700598 Obstruction **Filed Date:** 5/8/2017

Job Site: 7122 HALLIDAY AVE

Schedule inspection by calling: 510-238-3444

Parcel No: 039 330003500

District:

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

Project Description: Reserve 6 NON-METERED parking space(s) in front of parcel only for well installation, dumpster, construction vehicle, moving van or storage pod. Post No-parking signs 72 hours prior in residential areas. No impact on traffic lane or sidewalk allowed. No-parking signs picked up by applicant after payment, 4TH FLOOR. To Have Illegally Parked Vehicle Ticketed Call 510-777-3333. Applicant arranges towing. Comply with terms set forth in CVC Section 22651 (m). For Towed Vehicle: Call 510-238-3021. Please call OPD and Fire Department for road closure. Contact: 510420-3347
related permit:ENMI16172

Related Permits: OB1700597

	Name	Applicant	Address	Phone	License #
Owner:	SMITH MERLE E TR & EDSMAN OLGA Z TR		PO BOX 43234 OAKLAND, CA		
Contractor-Employee:	KIERSTEN HOEY	X	OAKLAND, CA	510-420-3347	

ADDRESS

PERMIT DETAILS: Building/Public Use/Activity/Obstructions

Work Information

Start Date: 06/06/2017
End Date: 06/06/2017

Obstruction Permit Type: Short Term (Max 14 Days)
Number of Meters (Metered Area):
Length Of Obstruction (Unmetered Area): 150

TOTAL FEES TO BE PAID AT FILING: $197.37

Application Fee	$70.00	Records Management Fee	$16.34	Short Term Permits	$102.00
Technology Enhancement Fee	$9.03				

Plans Checked By _____ Date _____ Permit Issued By 41 Date 5/8

Finalized By _____ Date _____

APPLICATION

SPECIAL NOTE

- SL; X; and CGS permits: prior to start, email pwa_inspections@oaklandnet.com or call 510-238-3651
- SL and X permits valid 90 days • CGS permit valid 30 days

JOB SITE

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.

- SL and X permits valid 90 days
- CGS permit valid 30 days

CHECK REVERSE

CITY OF OAKLAND

DEPT OF PUBLIC WORKS 4th FLOOR

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

Planning and Building Department
www.oaklandnet.com

To schedule inspection
Email: pwa_inspections@oaklandnet.com or call 510-238-3651

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

Permit No: OB1700599 Obstruction **Filed Date:** 5/8/2017

Job Site: 7122 HALLIDAY AVE

Schedule inspection by calling: 510-238-3444

Parcel No: 039 330003500

District:

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

Project Description: Reserve 1 NON-METERED parking space(s) in front of parcel only for well installation survey, dumpster, construction vehicle, moving van or storage pod. Post No-parking signs 72 hours prior in residential areas. No impact on traffic lane or sidewalk allowed. No-parking signs picked up by applicant after payment, 4TH FLOOR. To Have Illegally Parked Vehicle Ticketed Call 510-777-3333. Applicant arranges towing. Comply with terms set forth in CVC Section 22651 (m). For Towed Vehicle: Call 510-238-3021. Please call OPD and Fire Department for road closure. Contact: 510420-3347 related permit:ENMI16172

Related Permits: OB1700598

	Name	Applicant	Address	Phone	License #
Owner:	SMITH MERLE E TR & EDSMAN OLGA Z TR		PO BOX 43234 OAKLAND, CA		
Contractor-Employee:	KIERSTEN HOEY	X	OAKLAND, CA	510-420-3347	

ADDRESS

PERMIT DETAILS: Building/Public Use/Activity/Obstructions

Work Information

Start Date: 06/08/2017
End Date: 06/08/2017

Obstruction Permit Type: Short Term (Max 14 Days)
Number of Meters (Metered Area):
Length Of Obstruction (Unmetered Area): 25

TOTAL FEES TO BE PAID AT FILING: $99.84

Application Fee	$70.00	Records Management Fee	$8.27	Short Term Permits	$17.00
Technology Enhancement Fee	$4.57				

Plans Checked By _____ Date _____ Permit Issued By YL Date 5/8

Finalized By _____ Date _____

APPLICATION

SPECIAL NOTE

- SL; X; and CGS permits: prior to start, email pwa_inspections@oaklandnet.com or call 510-238-3651
- SL and X permits valid 90 days • CGS permit valid 30 days

No Fee Document Pursuant To Government Code Section 27383

recording requested by:

CITY OF OAKLAND
when recorded mail to:

City of Oakland
Public Works Department
Dalziel Administration Building
250 Ogawa Plaza - 4th Floor
Oakland, CA 94612
Attn: Director, PWD

2017096719 05/01/2017 03:01 PM
OFFICIAL RECORDS OF ALAMEDA COUNTY
STEVE MANNING
RECORDING FEE: 42.00

10 PGS

10
HT

space above for Recorder's use only

INDENTURE AGREEMENT

Address 7225 Bancroft Avenue **permit no.** ENMI 16172

parcel no. 039 -3300-030-03 **authorities** Municipal Code Section 12.08.080

description Allow installation of one (1) groundwater monitoring well (MW-12) on Halliday Avenue.

RECITAL

The responsible party subscribed below with interest in the property referenced above and described in Exhibit B attached hereto, is hereby granted, for an indeterminate period of time, the revocable permit referenced above allowing the temporary encroachment described above and delineated in Exhibit C, attached hereto, and limiting the use, exercise, and operation of the encroachment with the requirements and restrictions set forth in Exhibit A, attached hereto, and the associated permit. The responsible party agrees by and between themselves to be bound by the general and special conditions in Exhibit A and to comply with these conditions faithfully and fully at all times. The conditions of this agreement and associated permit shall equally bind all agents, heirs, successors, and assigns of the responsible party.

ACKNOWLEDGEMENT OF RESPONSIBLE PARTY

(Notarization of signature required)
Chevron Environmental Management Company ("CEMC")

Signature Robert Wilkenfeld Date 3/23/17
Chevron Environmental Management Company

Print Name Robert Wilkenfeld Title Vice President

ATTACHMENTS

Exhibit **A** - Conditions of encroachment
Exhibit **B** - Description of privately owned parcel
Exhibit **C** - Limits of encroachment

CITY OF OAKLAND
a municipal corporation

by _____ date 4.21.17

WLAD WLASSOWSKY, P.E.
Acting Assistant Director
Public Works Department

KEVIN KASHI, P.E.
Supervising Civil Engineer
Public Works Department

Appendix D
Standard Operating Procedures

Appendix D 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^{o} 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^{o}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.

Appendix D STANDARD FIELD PROCEDURES FOR SOIL VAPOR PROBE INSTALLATION AND SAMPLING

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

Objectives

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

Shallow Soil Vapor Probe Installation

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

Purging

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

Sampling Soil Vapor Probes

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

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

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

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

Vapor Sample Storage, Handling, and Transport

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

Soil Vapor Probe Destruction

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

Appendix E
Boring Logs

GHD Pty Ltd
5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: 510-420-3347
Fax:

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	MW-11
JOB/SITE NAME	Chevron Service Station 93322	**DRILLING STARTED**	06-Jun-17
LOCATION	7225 Bancroft Avenue, Oakland, California	**DRILLING COMPLETED**	06-Jun-17
PROJECT NUMBER	311806	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling, C-57 #485165	**GROUND SURFACE ELEVATION**	35.27
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	8"	**SCREENED INTERVALS**	25 to 35 fbg
LOGGED BY	J.Hudnall	**DEPTH TO WATER (First Encountered)**	27.00 fbg (06-Jun-17)
REVIEWED BY		**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.3	Flush-grade 12" well box
							FILL: medium to coarse sand, fine gravel, dark brown, dry.	0.8	
							Lean CLAY: fine sand, greenish black, firm, moist, high plasticity.		
0.0		MW-11-S-3-1706[illegible]			CL				
0.0		MW-11-S-5-1706[illegible]		5					
								6.0	
					SM		**Silty SAND:** fine to medium sand, dark brown, poorly sorted, moist.		
		MW-11-S-10-170[illegible]		10				10.0	
							Sandy SILT: fine sand, dark yellowish brown, firm, moist, medium plasticity.		Portland Type II/V
				15					
		MW-11-S-16-170[illegible]							
				20					

WELL LOG (PID) I:\CHEVRON\3118--\311806 9-3322 OAKLAND\311806-BORING LOGS\311806- MW11& MW12 GINT LOG.GPJ DEFAULT.GDT 22/6/17

Continued Next Page

GHD Pty Ltd
5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: 510-420-3347
Fax:

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	MW-11
JOB/SITE NAME	Chevron Service Station 93322	**DRILLING STARTED**	06-Jun-17
LOCATION	7225 Bancroft Avenue, Oakland, California	**DRILLING COMPLETED**	06-Jun-17

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
		MW-11-S-20-17			ML				Hydrated Bentonite Chips
				25					
0.0		MW-11-S-26-17					@27 fbg: wet. ▽		Monterey Sand #2/12
0.0		MW-11-S-30-17		30			**Silty SAND:** medium to coarse sand, dark yellowish brown, moderately sorted, wet.	30.0	2" diam., Schedule 40 PVC
					SM		**Silty SAND:** fine to medium sand, dark brown mottled black, wet.		
0.0		MW-11-S-35-17		35				35.0	Bottom of Boring @ 35 fbg

GHD Pty Ltd
5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: 510-420-3347
Fax:

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	MW-12
JOB/SITE NAME	Chevron Service Station 93322	**DRILLING STARTED**	07-Jun-17
LOCATION	7225 Bancroft Avenue, Oakland, California	**DRILLING COMPLETED**	07-Jun-17
PROJECT NUMBER	311806	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling, C-57 #485165	**GROUND SURFACE ELEVATION**	35.37
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3"	**SCREENED INTERVALS**	20 to 30 fbg
LOGGED BY	J.Hudnall	**DEPTH TO WATER (First Encountered)**	26.00 fbg (07-Jun-17)
REVIEWED BY		**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							CONCRETE	0.5	
							FILL: medium to coarse sand, fine gravel, dark brown, dry.	0.8	
							Lean CLAY: fine sand, greenish black, firm, moist, high plasticity.		
0.0		MW-12-S-3-1706[illegible]			CL				
								4.0	
0.0		MW-12-S-5-1706[illegible]		5			**Silty SAND :**fine sand, dark olive gray, well sorted, moist.		
					SM		Mottled blue to gray.		Portland Type II/V
0.0		MW-12-S-10-170		10				10.0	
							SILT with Sand: fine sand, very dark grayish brown, moist, medium plasticity.		
					ML			13.0	
							Silty SAND: fine sand, very dark greenish gray, well sorted, moist, hydrocarbon odor.		
27.5		MW-12-S-15-170		15	SM			16.0	
							Lean CLAY: fine sand, very dark greenish gray, moist, high plasticity, hydrocarbon odor.		Hydrated Bentonite Chips
39.0					CL			19.0	
17.8		MW-12-S-20-170		20			**Silty SAND:** fine to medium sand, moderately sorted, very dark greenish gray, moist, hydrocarbon odor.		

Continued Next Page

GHD Pty Ltd
5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: 510-420-3347
Fax:

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	MW-12
JOB/SITE NAME	Chevron Service Station 93322	**DRILLING STARTED**	07-Jun-17
LOCATION	7225 Bancroft Avenue, Oakland, California	**DRILLING COMPLETED**	07-Jun-17

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					SM			22.0	
					GM		**Silty GRAVEL with Sand**:medium to coarse sand, fine gravel, dark olive brown, mottled blue to gray, moist, hydrocarbon odor.		Monterey Sand #2/12
		MW-12-S-25-17(		25				25.0	1"-diam., 0.010" Slotted Schedule 40 PVC
1158.9					ML		**Sandy SILT:** fine to coarse sand, poorly sorted, dark olive brown, firm, medium plasticity, hydrocarbon odor. ▽ @26fbg: wet.		
								28.0	
					SM		**Silty SAND with Gravel**medium to coarse sand, fine gravel, very dark greenish gray, wet, hydrocarbon odor.		
104.1		MW-12-S-30-17(		30				30.0	Bottom of Boring @ 30 fbg

WELL LOG (PID) I:\CHEVRON\3118--\311806 9-3322 OAKLAND\311806-BORING LOGS\311806- MW11& MW12 GINT LOG.GPJ DEFAULT.GDT 22/6/17

Appendix F
Blaine Tech Well Development Field Documents

WELL DEVELOPMENT DATA SHEET

Project #: 170612-GR2	Client: CHEVRON 9-3322
Developer: GR	Date Developed: 6/12/2017
Well I.D. MW-11	Well Diameter: (circle one) (2) 3 4 6
Total Well Depth: Before 34.50 After 34.50	Depth to Water: Before 12.54 After 16.92
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF): $\{12 \times (d^2/4) \times \pi\} / 231$

where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

3.5	X	10	=	35.0
1 Case Volume		Specified Volumes		gallons

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

Type of Installed Pump: NONE
Other equipment used: 2" SURGE BLOCK

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
1035	———	BEGIN	SURGING WELL			
1052	———	BEGIN	PURGE W/ MIDDLEBERG PUMP.			
1057	66.7	6.89	881	>1000	3.5	AGITATED BOTTOM W/ PUMP.
1101	66.4	7.28	834	>1000	7.0	DK. BROWN + HEAVY SILT
1105	66.0	7.28	781	>1000	10.5	ON HARD BOTTOM
1109	66.0	7.38	755	>1000	14.0	BEGINNING TO DEWATER
1113	66.0	7.36	730	>1000	17.5	SOME SILT
1117	66.0	7.29	716	>1000	21.0	
1121	66.0	7.30	710	>1000	24.5	BECOMING LIGHTER IN COLOR.
1125	65.7	7.29	696	>1000	28.0	
1129	65.7	7.29	690	>1000	31.5	
1133	66.0	7.30	680	>1000	35.0	
1137	66.0	7.28	677	>1000	38.5	DTW - 16.92, TD - 34.50

Did Well Dewater? NO — If yes, note above.

Gallons Actually Evacuated: 38.5

WELL DEVELOPMENT DATA SHEET

Project #: 170612-GR2	Client: CHEVRON 9-3322
Developer: GR	Date Developed: 6/12/2017
Well I.D. MW-12	Well Diameter: (circle one) 2 3 4 6 (1")
Total Well Depth: Before 29.99 After 29.99	Depth to Water: Before 10.94 After 25.38
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):
{12 x (d^2/4) x π} /231
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

1" = 0.04

1 Case Volume	X	Specified Volumes	=	gallons
0.8		10		8.0

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

Type of Installed Pump: NONE
Other equipment used: 3/4" BOLT AS SURGEBLOCK

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
1230	———	BEGIN	SURGING	WELL.		
1247	———	BEGIN	PURGING	W/ SOLINIST PERISTALTIC PUMP		
1250	———	SWITCHED	TO NEW TUBING W/ CHECK		~~1.0~~ 0.3	AGITATED BOTTOM W/ TUBING
1254	72.3	7.58	2056	>1000	0.8	ON HARD BOTTOM.
1255	———	WELL DEWATERED	@		0.9	DTW - 26.54; TD = 29.99
1325	———	REGAUGE	DTW = 25.38'			

Did Well Dewater? YES	If yes, note above.	Gallons Actually Evacuated:	0.9

CHEVRON-NORTHERN CALIFORNIA TYPE **A** BILL OF LADING BILL OF LADING No._____

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:

9-3322 GREGG ROBERTS
CHEVRON # Chevron Engineer

7225 BANCROFT AVE. - OAKLAND, CA
street number street name city state

WELL I.D.	GALS.	WELL I.D.	GALS.
	/		/
MW-11	/		/
MW-12	40.0		/
	/		/
	/		/
	/		/
	/		/
	/		/

added equip. rinse water / any other adjustments /

TOTAL GALS. RECOVERED 40.0 loaded onto BTS vehicle # 93

BTS event # 170612-GR2 time 1345 date 6/12/17

Transporter signature

****

REC'D AT time date / /

Unloaded/received by signature

Appendix G
Laboratory Analytical Reports - Soil

eurofins | Lancaster Laboratories Environmental

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Analysis Report

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

Report Date: June 23, 2017

Project: 93322

Submittal Date: 06/10/2017
Group Number: 1812191
SDG: GHD01
PO Number: 0015229874
Release Number: PATTEN
State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LL) #
MW-11-S-5-170606 Grab Soil	9043471
MW-11-S-3-170606 Grab Soil	9043472
MW-11-S-10-170606 Grab Soil	9043473
MW-11-S-16-170606 Grab Soil	9043474
MW-11-S-20-170606 Grab Soil	9043475
MW-11-S-26-170606 Grab Soil	9043476
MW-11-S-30-170606 Grab Soil	9043477
MW-11-S-35-170606 Grab Soil	9043478
MW-12-S-3-170607 Grab Soil	9043479
MW-12-S-5-170607 Grab Soil	9043480
MW-12-S-10-170607 Grab Soil	9043481
MW-12-S-15-170607 Grab Soil	9043482
MW-12-S-20-170607 Grab Soil	9043483
MW-12-S-25-170607 Grab Soil	9043484
MW-12-S-30-170607 Grab Soil	9043485

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 current scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ . To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To	GHD	Attn: Kiersten Hoey
Electronic Copy To	Chevron	Attn: GHD EDD

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

Sample Description: MW-11-S-5-170606 Grab Soil
Facility# 93322 CRAW
7225 Bancroft-Oakland T0600102079

LL Sample # SW 9043471
LL Group # 1812191
Account # 10880

Project Name: 93322

Collected: 06/06/2017 10:15 by JH

Submitted: 06/10/2017 09:50
Reported: 06/23/2017 15:02

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BO115 SDG#: GHD01-01

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.	0.026	0.26	52.3
10237	Ethylbenzene	100-41-4	N.D.	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	N.D.	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.	N.D.	0.5	1.0	25.75

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	R171691AA	06/19/2017 04:24	Stephen C Nolte	52.3
10445	High Level Bulk Prep DP 21	SW-846 5035A Modified	1	201716445793	06/13/2017 11:30	Anastasia Jaynes	n.a.
10445	High Level Bulk Prep DP 21	SW-846 5035A Modified	2	201716445793	06/13/2017 11:29	Anastasia Jaynes	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	17165A34A	06/15/2017 13:33	Marie D Beamenderfer	25.75
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 11:32	Anastasia Jaynes	n.a.

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

Sample Description: MW-11-S-3-170606 Grab Soil
Facility# 93322 CRAW
7225 Bancroft-Oakland T0600102079

LL Sample # SW 9043472
LL Group # 1812191
Account # 10880

Project Name: 93322

Collected: 06/06/2017 10:20 by JH

Submitted: 06/10/2017 09:50
Reported: 06/23/2017 15:02

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BO113 SDG#: GHD01-02

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	0.96
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.96
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.96
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	0.96
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.96
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.96
The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the TNI/DoD Standards. The following analytes are accepted based on this allowance: toluene.						
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	25.3

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	B171701AA	06/19/2017 14:33	Linda C Pape	0.96
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 13:51	Anastasia Jaynes	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201716445793	06/13/2017 13:51	Anastasia Jaynes	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 11:35	Anastasia Jaynes	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	17165A34A	06/15/2017 14:12	Marie D Beamenderfer	25.3
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 11:37	Anastasia Jaynes	n.a.

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

Sample Description: MW-11-S-10-170606 Grab Soil
Facility# 93322 CRAW
7225 Bancroft-Oakland T0600102079

LL Sample # SW 9043473
LL Group # 1812191
Account # 10880

Project Name: 93322

Collected: 06/06/2017 11:45 by JH

Submitted: 06/10/2017 09:50
Reported: 06/23/2017 15:02

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BO110 SDG#: GHD01-03

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
	The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the TNI/DoD Standards. The following analytes are accepted based on this allowance: toluene.					
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	24.46

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	B171701AA	06/19/2017 14:55	Linda C Pape	1
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 13:51	Anastasia Jaynes	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201716445793	06/13/2017 13:51	Anastasia Jaynes	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 11:40	Anastasia Jaynes	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	17165A34A	06/15/2017 14:46	Marie D Beamenderfer	24.46
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 11:42	Anastasia Jaynes	n.a.

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

Sample Description: MW-11-S-16-170606 Grab Soil
Facility# 93322 CRAW
7225 Bancroft-Oakland T0600102079

LL Sample # SW 9043474
LL Group # 1812191
Account # 10880

Project Name: 93322

Collected: 06/06/2017 12:00 by JH

Submitted: 06/10/2017 09:50
Reported: 06/23/2017 15:02

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BO116 SDG#: GHD01-04

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.	0.025	0.25	50.2
10237	Ethylbenzene	100-41-4	N.D.	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	N.D.	0.050	0.25	50.2
10237	Toluene	108-88-3	N.D.	0.050	0.25	50.2
10237	Xylene (Total)	1330-20-7	N.D.	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.	N.D.	0.5	1	24.63

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	R171691AA	06/19/2017 04:48	Stephen C Nolte	50.2
10445	High Level Bulk Prep DP 21	SW-846 5035A Modified	1	201716445793	06/13/2017 11:47	Anastasia Jaynes	n.a.
10445	High Level Bulk Prep DP 21	SW-846 5035A Modified	2	201716445793	06/13/2017 11:46	Anastasia Jaynes	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	17165A34A	06/15/2017 18:09	Marie D Beamenderfer	24.63
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 11:59	Anastasia Jaynes	n.a.

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

Sample Description: MW-11-S-20-170606 Grab Soil
Facility# 93322 CRAW
7225 Bancroft-Oakland T0600102079

LL Sample # SW 9043475
LL Group # 1812191
Account # 10880

Project Name: 93322

Collected: 06/06/2017 12:15 by JH

Submitted: 06/10/2017 09:50
Reported: 06/23/2017 15:02

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BO120 SDG#: GHD01-05

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	0.99
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.99
10237	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
The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the TNI/DoD Standards. The following analytes are accepted based on this allowance: toluene.						
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

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	B171701AA	06/19/2017 15:18	Linda C Pape	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 13:51	Anastasia Jaynes	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201716445793	06/13/2017 13:51	Anastasia Jaynes	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 12:02	Anastasia Jaynes	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	17165A34A	06/15/2017 18:49	Marie D Beamenderfer	25.13
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 12:04	Anastasia Jaynes	n.a.

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

Sample Description: MW-11-S-26-170606 Grab Soil
Facility# 93322 CRAW
7225 Bancroft-Oakland T0600102079

LL Sample # SW 9043476
LL Group # 1812191
Account # 10880

Project Name: 93322

Collected: 06/06/2017 12:30 by JH

Submitted: 06/10/2017 09:50
Reported: 06/23/2017 15:02

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BO126 SDG#: GHD01-06

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	0.96
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.96
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.96
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	0.96
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.96
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.96
The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the TNI/DoD Standards. The following analytes are accepted based on this allowance: toluene.						
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	25.43

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	B171701AA	06/19/2017 15:41	Linda C Pape	0.96
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 13:51	Anastasia Jaynes	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201716445793	06/13/2017 13:51	Anastasia Jaynes	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 12:19	Anastasia Jaynes	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	17165A34A	06/15/2017 19:28	Marie D Beamenderfer	25.43
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 12:20	Anastasia Jaynes	n.a.

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

Sample Description: MW-11-S-30-170606 Grab Soil
Facility# 93322 CRAW
7225 Bancroft-Oakland T0600102079

LL Sample # SW 9043477
LL Group # 1812191
Account # 10880

Project Name: 93322

Collected: 06/06/2017 12:45 by JH

Submitted: 06/10/2017 09:50
Reported: 06/23/2017 15:02

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BO130 SDG#: GHD01-07

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

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the TNI/DoD Standards. The following analytes are accepted based on this allowance: toluene.

GC Volatiles	**SW-846 8015B modified**		**mg/kg**		**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	6.6	J	5.0	10	249.25

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	B171701AA	06/19/2017 17:10	Linda C Pape	1
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 13:51	Anastasia Jaynes	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201716445793	06/13/2017 13:51	Anastasia Jaynes	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	3	201716445793	06/13/2017 13:52	Anastasia Jaynes	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	4	201716445793	06/13/2017 13:52	Anastasia Jaynes	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	5	201716445793	06/13/2017 13:52	Anastasia Jaynes	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	6	201716445793	06/13/2017 13:51	Anastasia Jaynes	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 12:28	Anastasia Jaynes	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	2	201716445793	06/13/2017 12:29	Anastasia Jaynes	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	3	201716445793	06/13/2017 12:30	Anastasia Jaynes	n.a.

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

Sample Description: MW-11-S-30-170606 Grab Soil
Facility# 93322 CRAW
7225 Bancroft-Oakland T0600102079

LL Sample # SW 9043477
LL Group # 1812191
Account # 10880

Project Name: 93322

Collected: 06/06/2017 12:45 by JH

Submitted: 06/10/2017 09:50
Reported: 06/23/2017 15:02

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BO130 SDG#: GHD01-07

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	17165A34A	06/15/2017 16:18	Marie D Beamenderfer	249.25
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 12:31	Anastasia Jaynes	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	2	201716445793	06/13/2017 12:33	Anastasia Jaynes	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	3	201716445793	06/13/2017 12:37	Anastasia Jaynes	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	4	201716445793	06/13/2017 12:38	Anastasia Jaynes	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	5	201716445793	06/13/2017 12:40	Anastasia Jaynes	n.a.

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

Sample Description: MW-11-S-35-170606 Grab Soil
Facility# 93322 CRAW
7225 Bancroft-Oakland T0600102079

LL Sample # SW 9043478
LL Group # 1812191
Account # 10880

Project Name: 93322

Collected: 06/06/2017 12:50 by JH

Submitted: 06/10/2017 09:50
Reported: 06/23/2017 15:02

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BO135 SDG#: GHD01-08

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	0.99
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.99
10237	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
The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the TNI/DoD Standards. The following analytes are accepted based on this allowance: toluene.						
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	24.9

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	B171701AA	06/19/2017 16:26	Linda C Pape	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 13:51	Anastasia Jaynes	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201716445793	06/13/2017 13:51	Anastasia Jaynes	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 12:50	Anastasia Jaynes	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	17165A34A	06/15/2017 20:07	Marie D Beamenderfer	24.9
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 12:52	Anastasia Jaynes	n.a.

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

Sample Description: MW-12-S-3-170607 Grab Soil
Facility# 93322 CRAW
7225 Bancroft-Oakland T0600102079

LL Sample # SW 9043479
LL Group # 1812191
Account # 10880

Project Name: 93322

Collected: 06/07/2017 10:35 by JH

Submitted: 06/10/2017 09:50
Reported: 06/23/2017 15:02

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BO125 SDG#: GHD01-09

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
	The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the TNI/DoD Standards. The following analytes are accepted based on this allowance: toluene.					
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

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	B171701AA	06/19/2017 17:33	Linda C Pape	1
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 13:52	Anastasia Jaynes	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201716445793	06/13/2017 13:52	Anastasia Jaynes	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 13:13	Anastasia Jaynes	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	17165A34A	06/15/2017 20:46	Marie D Beamenderfer	25.18
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 13:20	Anastasia Jaynes	n.a.

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

Sample Description: MW-12-S-5-170607 Grab Soil
Facility# 93322 CRAW
7225 Bancroft-Oakland T0600102079

LL Sample # SW 9043480
LL Group # 1812191
Account # 10880

Project Name: 93322

Collected: 06/07/2017 10:40 by JH

Submitted: 06/10/2017 09:50
Reported: 06/23/2017 15:02

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BO123 SDG#: GHD01-10

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
The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the TNI/DoD Standards. The following analytes are accepted based on this allowance: toluene.						
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

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	B171701AA	06/19/2017 16:03	Linda C Pape	1
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 13:52	Anastasia Jaynes	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201716445793	06/13/2017 13:52	Anastasia Jaynes	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 13:23	Anastasia Jaynes	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	17165A34A	06/15/2017 21:25	Marie D Beamenderfer	24.73
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 13:24	Anastasia Jaynes	n.a.

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

Sample Description: MW-12-S-10-170607 Grab Soil
Facility# 93322 CRAW
7225 Bancroft-Oakland T0600102079

LL Sample # SW 9043481
LL Group # 1812191
Account # 10880

Project Name: 93322

Collected: 06/07/2017 11:00 by JH

Submitted: 06/10/2017 09:50
Reported: 06/23/2017 15:02

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BO210 SDG#: GHD01-11

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
	The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the TNI/DoD Standards. The following analytes are accepted based on this allowance: toluene.					
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	24.95

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	B171701AA	06/19/2017 17:55	Linda C Pape	1
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 13:52	Anastasia Jaynes	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201716445793	06/13/2017 13:52	Anastasia Jaynes	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 13:28	Anastasia Jaynes	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	17165A34A	06/15/2017 22:44	Marie D Beamenderfer	24.95
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 13:29	Anastasia Jaynes	n.a.

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

Sample Description: MW-12-S-15-170607 Grab Soil
Facility# 93322 CRAW
7225 Bancroft-Oakland T0600102079

LL Sample # SW 9043482
LL Group # 1812191
Account # 10880

Project Name: 93322

Collected: 06/07/2017 11:05 by JH

Submitted: 06/10/2017 09:50
Reported: 06/23/2017 15:02

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BO215 SDG#: GHD01-12

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.	0.025	0.25	50
10237	Ethylbenzene	100-41-4	N.D.	0.050	0.25	50
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.025	0.25	50
10237	Naphthalene	91-20-3	N.D.	0.050	0.25	50
10237	Toluene	108-88-3	N.D.	0.050	0.25	50
10237	Xylene (Total)	1330-20-7	N.D.	0.050	0.25	50
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.	55	10	20	506.07

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	Q171712AA	06/21/2017 07:00	Stephen C Nolte	50
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 13:52	Anastasia Jaynes	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201716445793	06/13/2017 13:52	Anastasia Jaynes	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 13:32	Anastasia Jaynes	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	17165A34A	06/16/2017 00:02	Marie D Beamenderfer	506.07
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 13:33	Anastasia Jaynes	n.a.

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

Sample Description: MW-12-S-20-170607 Grab Soil
Facility# 93322 CRAW
7225 Bancroft-Oakland T0600102079

LL Sample # SW 9043483
LL Group # 1812191
Account # 10880

Project Name: 93322

Collected: 06/07/2017 11:15 by JH

Submitted: 06/10/2017 09:50
Reported: 06/23/2017 15:02

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BO220 SDG#: GHD01-13

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
	The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the TNI/DoD Standards. The following analytes are accepted based on this allowance: toluene.					
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	3.5	0.5	1.0	25.41

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	B171701AA	06/19/2017 18:18	Linda C Pape	1
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 13:52	Anastasia Jaynes	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201716445793	06/13/2017 13:52	Anastasia Jaynes	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 13:37	Anastasia Jaynes	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	17165A34B	06/20/2017 12:52	Marie D Beamenderfer	25.41
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 13:38	Anastasia Jaynes	n.a.

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

Sample Description: MW-12-S-25-170607 Grab Soil
Facility# 93322 CRAW
7225 Bancroft-Oakland T0600102079

LL Sample # SW 9043484
LL Group # 1812191
Account # 10880

Project Name: 93322

Collected: 06/07/2017 11:20 by JH

Submitted: 06/10/2017 09:50
Reported: 06/23/2017 15:02

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BO225 SDG#: GHD01-14

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.	0.024	0.24	48.36
10237	Ethylbenzene	100-41-4	0.24 J	0.048	0.24	48.36
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.024	0.24	48.36
10237	Naphthalene	91-20-3	0.42	0.048	0.24	48.36
10237	Toluene	108-88-3	N.D.	0.048	0.24	48.36
10237	Xylene (Total)	1330-20-7	N.D.	0.048	0.24	48.36
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.	240	20	40	999

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	Q171712AA	06/21/2017 07:45	Stephen C Nolte	48.36
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 13:52	Anastasia Jaynes	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201716445793	06/13/2017 13:52	Anastasia Jaynes	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 13:41	Anastasia Jaynes	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	17165A34A	06/16/2017 01:20	Marie D Beamenderfer	999
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 13:42	Anastasia Jaynes	n.a.

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

Sample Description: MW-12-S-30-170607 Grab Soil
Facility# 93322 CRAW
7225 Bancroft-Oakland T0600102079

LL Sample # SW 9043485
LL Group # 1812191
Account # 10880

Project Name: 93322

Collected: 06/07/2017 11:30 by JH

Submitted: 06/10/2017 09:50
Reported: 06/23/2017 15:02

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BO230 SDG#: GHD01-15

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	1.02
10237	Ethylbenzene	100-41-4	N.D.		0.001	0.005	1.02
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.001	J	0.0005	0.005	1.02
10237	Naphthalene	91-20-3	0.001	J	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

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the TNI/DoD Standards. The following analytes are accepted based on this allowance: toluene.

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	24.68

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	B171701AA	06/19/2017 16:48	Linda C Pape	1.02
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 13:53	Anastasia Jaynes	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201716445793	06/13/2017 13:53	Anastasia Jaynes	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 13:45	Anastasia Jaynes	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	17165A34A	06/15/2017 23:23	Marie D Beamenderfer	24.68
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201716445793	06/13/2017 13:46	Anastasia Jaynes	n.a.

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

Quality Control Summary

Client Name: ChevronTexaco
Reported: 06/23/2017 15:02

Group Number: 1812191

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	MDL**	LOQ
	mg/kg	mg/kg	mg/kg
Batch number: B171701AA	Sample number(s): 9043472-9043473,9043475-9043481,9043483,9043485		
Benzene	N.D.	0.0005	0.005
Ethylbenzene	N.D.	0.001	0.005
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005
Naphthalene	N.D.	0.001	0.005
Toluene	N.D.	0.001	0.005
Xylene (Total)	N.D.	0.001	0.005
Batch number: Q171712AA	Sample number(s): 9043482,9043484		
Benzene	N.D.	0.025	0.25
Ethylbenzene	N.D.	0.050	0.25
Methyl Tertiary Butyl Ether	N.D.	0.025	0.25
Naphthalene	N.D.	0.050	0.25
Toluene	N.D.	0.050	0.25
Xylene (Total)	N.D.	0.050	0.25
Batch number: R171691AA	Sample number(s): 9043471,9043474		
Benzene	N.D.	0.025	0.25
Ethylbenzene	N.D.	0.050	0.25
Methyl Tertiary Butyl Ether	N.D.	0.025	0.25
Naphthalene	N.D.	0.050	0.25
Toluene	N.D.	0.050	0.25
Xylene (Total)	N.D.	0.050	0.25
Batch number: 17165A34A	Sample number(s): 9043471-9043482,9043484-9043485		
TPH-GRO N. CA soil C6-C12	N.D.	0.5	1.0
Batch number: 17165A34B	Sample number(s): 9043483		
TPH-GRO N. CA soil C6-C12	N.D.	0.5	1.0

LCS/LCSD

Analysis Name	LCS Spike Added mg/kg	LCS Conc mg/kg	LCSD Spike Added mg/kg	LCSD Conc mg/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: B171701AA	Sample number(s): 9043472-9043473,9043475-9043481,9043483,9043485								
Benzene	0.0200	0.0164	0.0200	0.0197	82	98	80-120	18	30
Ethylbenzene	0.0200	0.0164	0.0200	0.0199	82	99	80-120	19	30
Methyl Tertiary Butyl Ether	0.0200	0.0195	0.0200	0.0208	98	104	72-120	7	30

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 06/23/2017 15:02

Group Number: 1812191

LCS/LCSD (continued)

Analysis Name	LCS Spike Added mg/kg	LCS Conc mg/kg	LCSD Spike Added mg/kg	LCSD Conc mg/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Naphthalene	0.0200	0.0190	0.0200	0.0201	95	101	61-125	6	30
Toluene	0.0200	0.0158	0.0200	0.0191	79*	96	80-120	19	30
Xylene (Total)	0.0600	0.0488	0.0600	0.0597	81	100	80-120	20	30
Batch number: Q171712AA	Sample number(s): 9043482,9043484								
Benzene	1.00	1.02	1.00	1.05	102	105	80-120	4	30
Ethylbenzene	1.00	1.05	1.00	1.06	105	106	80-120	1	30
Methyl Tertiary Butyl Ether	1.00	1.01	1.00	1.02	101	102	72-120	1	30
Naphthalene	1.00	1.14	1.00	1.05	114	105	61-125	8	30
Toluene	1.00	1.04	1.00	1.05	104	105	80-120	1	30
Xylene (Total)	3.00	3.18	3.00	3.15	106	105	80-120	1	30
Batch number: R171691AA	Sample number(s): 9043471,9043474								
Benzene	1.00	1.10	1.00	1.12	110	112	80-120	2	30
Ethylbenzene	1.00	0.926	1.00	0.940	93	94	80-120	2	30
Methyl Tertiary Butyl Ether	1.00	0.940	1.00	0.952	94	95	72-120	1	30
Naphthalene	1.00	0.938	1.00	0.985	94	98	61-125	5	30
Toluene	1.00	0.966	1.00	1.00	97	100	80-120	4	30
Xylene (Total)	3.00	2.82	3.00	2.86	94	95	80-120	2	30
	mg/kg	mg/kg	mg/kg	mg/kg					
Batch number: 17165A34A	Sample number(s): 9043471-9043482,9043484-9043485								
TPH-GRO N. CA soil C6-C12	11	11.38			103		58-120		
Batch number: 17165A34B	Sample number(s): 9043483								
TPH-GRO N. CA soil C6-C12	11	11.38			103		58-120		

MS/MSD

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

Analysis Name	Unspiked Conc mg/kg	MS Spike Added mg/kg	MS Conc mg/kg	MSD Spike Added mg/kg	MSD Conc mg/kg	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: Q171712AA	Sample number(s): 9043482,9043484 UNSPK: P050505									
Benzene	N.D.	0.788	0.658	0.873	0.673	83	77*	80-120	2	30
Ethylbenzene	N.D.	0.788	0.663	0.873	0.697	84	80	80-120	5	30
Methyl Tertiary Butyl Ether	N.D.	0.788	0.681	0.873	0.681	86	78	72-120	0	30
Naphthalene	N.D.	0.788	0.605	0.873	0.661	77	76	61-125	9	30
Toluene	N.D.	0.788	0.656	0.873	0.684	83	78*	80-120	4	30
Xylene (Total)	N.D.	2.36	2.01	2.62	2.10	85	80	80-120	4	30
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg					
Batch number: 17165A34A	Sample number(s): 9043471-9043482,9043484-9043485 UNSPK: 9043477									
TPH-GRO N. CA soil C6-C12	6.64	11	14.22	10.8	13.42	69	63	58-120	6	30

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 06/23/2017 15:02

Group Number: 1812191

MS/MSD (continued)

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

Analysis Name	Unspiked Conc mg/kg	MS Spike Added mg/kg	MS Conc mg/kg	MSD Spike Added mg/kg	MSD Conc mg/kg	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 17165A34B	Sample number(s): 9043483 UNSPK: 9043477									
TPH-GRO N. CA soil C6-C12	6.64	11	14.22	10.8	13.42	69	63	58-120	6	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: B171701AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluoroben ene
9043472	99	107	96	95
9043473	99	106	96	95
9043475	99	107	96	96
9043476	97	102	96	94
9043477	94	105	97	94
9043478	97	98	94	95
9043479	98	104	97	95
9043480	96	101	98	93
9043481	97	101	97	96
9043483	99	110	96	97
9043485	97	103	98	96
Blank	98	107	96	96
LCS	102	108	96	101
LCSD	99	104	98	99
Limits:	50-141	54-135	52-141	50-131

Analysis Name: VOCs 8260 BTEX/MTBE/Naph Soil
Batch number: Q171712AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluoroben ene
9043482	84	90	85	91
9043484	84	89	86	92
Blank	91	94	94	102
LCS	104	105	103	105
LCSD	107	106	103	105
MS	80	78	77	81
MSD	80	77	77	82
Limits:	50-141	54-135	52-141	50-131

Analysis Name: VOCs 8260 BTEX/MTBE/Naph Soil
Batch number: R171691AA

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 06/23/2017 15:02

Group Number: 1812191

Surrogate Quality Control (continued)

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: R171691AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluoroben ene
9043471	88	93	83	72
9043474	92	99	88	77
Blank	86	96	85	81
LCS	81	89	79	83
LCSD	83	88	81	84
Limits:	50-141	54-135	52-141	50-131

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 17165A34A

	Trifluorotoluene-F
9043471	84
9043472	88
9043473	82
9043474	89
9043475	82
9043476	85
9043477	100
9043478	87
9043479	87
9043480	87
9043481	83
9043482	115
9043484	235*
9043485	91
Blank	105
LCS	101
MS	105
MSD	99
Limits:	50-142

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 17165A34B

	Trifluorotoluene-F
9043483	78
Blank	80
LCS	101
MS	105
MSD	99
Limits:	50-142

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Chevron California Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

060917-05

Acct. # 10880 | For Eurofins Lancaster Laboratories Environmental use only | Group # 181291 | Sample # 9043971-85

Instructions on reverse side correspond with circled numbers.

1 Client Information

Facility # 93322 | WBS

Site Address: 7225 Bancroft, Oakland, CA

Chevron PM: Dave Patten | Lead Consultant: GHD

Consultant/Office: GHD - Emeryville

Consultant Project Mgr.: Kiersten Hoey

Consultant Phone #: 510-420-0700

Sampler: Jess Hudnall

SCR #: _____

4 Matrix

Sediment ☐ | Ground ☐ | Surface ☐ | Potable ☐ | NPDES ☐ | Air ☐

Soil ☒ | Water ☐ | Oil ☐

5 Analyses Requested

BTEX + MTBE 8021 ☐ | BTEX + MTBE 8260 ☒ | TPH-GRO 8015 ☐ | TPH-GRO 8260 ☒ | 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

- ☐ 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

2 Sample Identification	Soil Depth	Collected Date	Collected Time	3 Grab	Composite	Total Number of Containers
MW-11-S-5-170606	5	6/6/17	1015	X		1
MW-11-S-3-170606	3		1020	"		1
MW-11-S-10-170606	10		1145	"		1
MW-11-S-16-170606	16		1200	"		1
MW-11-S-20-170606	20		1215	"		1
MW-11-S-26-170606	26		1230	"		1
MW-11-S-30-170606	30		1245	"		1
MW-11-S-35-170606	35		1250	"		1

7 Turnaround Time Requested (TAT) (please circle)

Standard | 5 day | 4 day | 72 hour | 48 hour | 24 hour

8 Data Package (circle if required)

Type I - Full | Type VI (Raw Data)

EDD (circle if required)

EDFFLAT (default) | Other: _____

Relinquished by	Date	Time	Received by	Date	Time
Nick Colley	6/9/17	1215	A. Schyer #9	9 JUN 17	1215
A. Schyer #9	9 JUN 17	1638	FX		

Relinquished by Commercial Carrier: UPS ____ FedEx X Other ____

Received by _____ Date 6/10/17 Time 950

Temperature Upon Receipt 1.0 °C

Custody Seals Intact? (Yes) No

Chevron California Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # 10880 | For Eurofins Lancaster Laboratories Environmental use only | Group # 1812191 | Sample # 9043471-85

Instructions on reverse side correspond with circled numbers.

1 Client Information

Facility # 93322 | WBS

Site Address 7225 Bancroft, Oakland, CA

Chevron PM: Dave Patten | Lead Consultant: GHD

Consultant/Office: GHD-Emeryville

Consultant Project Mgr.: Kiersten Hoey

Consultant Phone #: 510-420-3347

Sampler: Jess Hudnall

2 Sample Identification

Sample Identification	Soil Depth	Collected Date	Collected Time	3 Grab	3 Composite
MW-12-S-3-170607	3	6/7/17	1035	X	X
MW-12-S-5-170607	5		1040		
MW-12-S-10-170607	10		1100		
MW-12-S-15-170607	15		1105		
MW-12-S-20-170607	20		1115		
MW-12-S-25-170607	25		1120		
MW-12-S-30-170607	30		1130		

4 Matrix

Soil	Sediment	Water: Potable	Water: Ground	Water: Surface	Water: NPDES	Oil	Air	Total Number of Containers
X								1

5 Analyses Requested

BTEX + MTBE 8021	BTEX + MTBE 8260	TPH-GRO 8015	TPH-GRO 8260	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 8260B
	X		X							X

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

7 Turnaround Time Requested (TAT) (please circle)

Standard | 5 day | 4 day | 72 hour | 48 hour | 24 hour

8 Data Package (circle if required)

Type I - Full | Type VI (Raw Data)

EDD (circle if required)

EDFFLAT (default) | Other: _____

Relinquished by	Date	Time	Received by	Date	Time
Nick Colley	6/9/17	1215	A. Saluja	9JUN17	1215
A. Saluja	9JUN17	1639	FX		

Relinquished by Commercial Carrier: UPS _____ FedEx X Other _____

Temperature Upon Receipt 1.0 °C

Received by: _____ | Date: 6/10/17 | Time: 950

Custody Seals Intact? Yes | No

9

Eurofins Lancaster Laboratories Environmental, LLC • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300

The white copy should accompany samples to Eurofins Lancaster Laboratories Environmental. The yellow copy should be retained by the client.

7050 0713

eurofins | Lancaster Laboratories Environmental

Sample Administration Receipt Documentation Log

Doc Log ID: 186037

Group Number(s): 1812191

Client: California Office

Delivery and Receipt Information

Delivery Method:	BASC	Arrival Timestamp:	06/10/2017 9:50
Number of Packages:	1	Number of Projects:	2
State/Province of Origin:	CA		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	0
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Simon Nies (25112) at 10:51 on 06/10/2017

Samples Chilled Details

Thermometer Types: *DT = Digital (Temp. Bottle)* *IR = Infrared (Surface Temp)* *All Temperatures in °C.*

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT146	1.0	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17605-2425

T | 717-656-2300
F | 717-656-2681
www.LancasterLabs.com

Explanation of Symbols and Abbreviations

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

BMQL	Below Minimum Quantitation Level	**mg**	milligram(s)
C	degrees Celsius	**mL**	milliliter(s)
cfu	colony forming units	**MPN**	Most Probable Number
CP Units	cobalt-chloroplatinate units	**N.D.**	none detected
F	degrees Fahrenheit	**ng**	nanogram(s)
g	gram(s)	**NTU**	nephelometric turbidity units
IU	International Units	**pg/L**	picogram/liter
kg	kilogram(s)	**RL**	Reporting Limit
L	liter(s)	**TNTC**	Too Numerous To Count
lb.	pound(s)	**µg**	microgram(s)
m3	cubic meter(s)	**µL**	microliter(s)
meq	milliequivalents	**umhos/cm**	micromhos/cm

< 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:

C - Result confirmed by reanalysis
E - Concentration exceeds the calibration range
J (or G, I, X) - estimated value ≥ 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…
W - The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

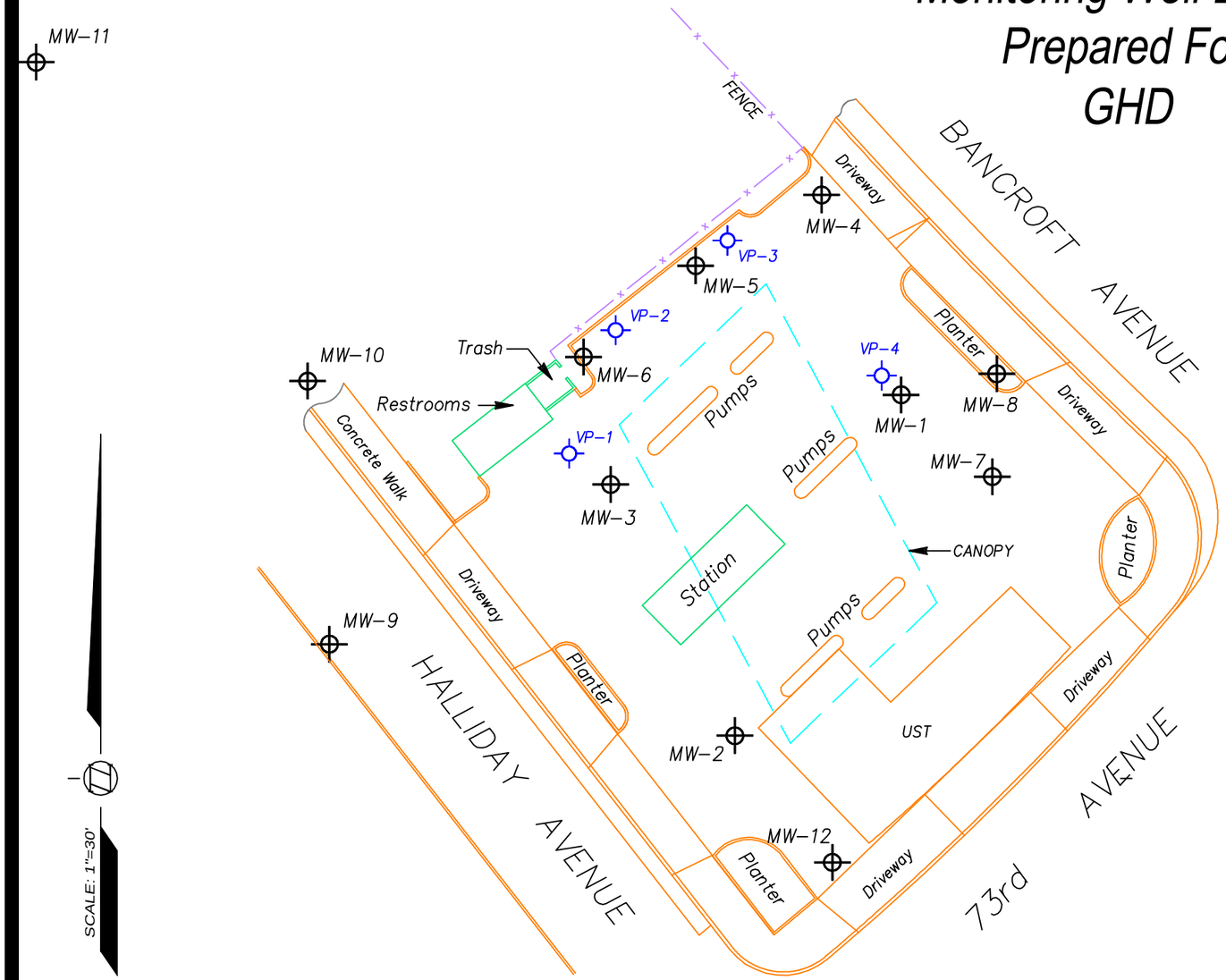
Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

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
Morrow Survey Report

Monitoring Well Exhibit
Prepared For:
GHD



DESCRIPTION	NORTHING	EASTING	ELEV (PVC)	ELEV (BOX)
MW-1	2105687.4	6076778.4	37.40	37.79
MW-2	2105611.9	6076741.5	35.72	36.38
MW-3	2105667.5	6076714.0	36.53	36.92
MW-4	2105731.6	6076760.8	37.29	37.45
MW-5	2105716.0	6076732.9	37.40	37.68
MW-6	2105695.8	6076708.0	36.90	37.26
MW-7	2105669.3	6076798.6	36.84	37.14
MW-8	2105692.0	6076799.5	37.21	37.83
MW-9	2105632.2	6076651.8	35.03	35.32
MW-10	2105690.4	6076646.9	35.53	35.79
VP-1	2105674.4	6076704.8		36.70
VP-2	2105701.7	6076715.1		37.71
VP-3	2105721.6	6076739.9		37.41
VP-4	2105691.6	6076774.1		37.80
MW-11	2105760.9	6076583.7	35.27	35.81
MW-12	2105583.7	6076763.0	35.37	35.87

DESCRIPTION	LATITUDE	LONGITUDE
MW-1	37.7658942	-122.1775740
MW-2	37.7656850	-122.1776968
MW-3	37.7658364	-122.1777953
MW-4	37.7660148	-122.1776377
MW-5	37.7659704	-122.1777332
MW-6	37.7659137	-122.1778180
MW-7	37.7658454	-122.1775031
MW-8	37.7659080	-122.1775012
MW-9	37.7657363	-122.1780085
MW-10	37.7658960	-122.1780289
VP-1	37.7658548	-122.1778276
VP-2	37.7659303	-122.1777937
VP-3	37.7659861	-122.1777092
VP-4	37.7659056	-122.1775892
MW-11	37.7660864	-122.1782518
MW-12	37.7656087	-122.1776204

BASIS OF COORDINATES AND ELEVATIONS:

COORDINATES ARE CALIFORNIA STATE PLANE ZONE 3 COORDINATES FROM GPS OBSERVATIONS

COORDINATE DATUM IS NAD 83(1986).

ELEVATIONS ARE BASED ON CITY OF OAKLAND BENCHMARK DESIGNATED 3787 IN FIELD BOOK 1595, PAGE 50. CUT SQUARE NORTHERLY CURB ON KRAUSE AVE., APPROX. 37' WESTERLY OF PL WESTERLY OF 73RD AVE. ELEVATION=33.82'

7225 Bancroft Avenue
Oakland
Alameda County
California

Morrow Surveying
LAND SURVEYORS

1255 Starboard Dr.
West Sacramento
California 95691
(916) 372-8124
matt@morrowsurveying.com

Date: 5-31-05
Scale: 1" = 30'
Sheet 1 of 1
Revised: 6-8-17
Field Book: MW-20
Dwg. No. 0857-052 MM

Appendix I
Laboratory Analytical Reports – Soil Vapor

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6/30/2017
Ms. Kiersten Hoey
GHD
5900 Hollis Street
Suite A
Emeryville CA 94608

Project Name: Chevron 93322
Project #: 311806
Workorder #: 1706340

Dear Ms. Kiersten Hoey

The following report includes the data for the above referenced project for sample(s) received on 6/16/2017 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-17 VI are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Rachel Selenis at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Rachel Selenis

Project Manager

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WORK ORDER #: 1706340

Work Order Summary

CLIENT:	Ms. Kiersten Hoey GHD 5900 Hollis Street Suite A Emeryville, CA 94608	**BILL TO:**	Accounts Payable Chevron U.S.A. Inc. 6001 Bollinger Canyon Road L4310 San Ramon, CA 94583
PHONE:	510-420-0700	**P.O. #**	NWENV009332200801
FAX:	510-420-9170	**PROJECT #**	311806 Chevron 93322
DATE RECEIVED:	06/16/2017	**CONTACT:**	Rachel Selenis
DATE COMPLETED:	06/28/2017		

FRACTION #	NAME	TEST
01A(cancelled)	VP-3-5-170613	Modified TO-17 VI
02A	VP-3-7.5-170613	Modified TO-17 VI
03A	VP-3-10-170613	Modified TO-17 VI
04A	VP-2-7.5-170613	Modified TO-17 VI
05A	VP-1-5-170613	Modified TO-17 VI
06A	VP-1-7.5-170613	Modified TO-17 VI
07A	VP-1-10-170613	Modified TO-17 VI
08A	Duplicate-1-170613	Modified TO-17 VI
09A	VP-4-5-170613	Modified TO-17 VI
10A	VP-4-7.5-170613	Modified TO-17 VI
11A	VP-4-10-170613	Modified TO-17 VI
12A	Lab Blank	Modified TO-17 VI
13A	CCV	Modified TO-17 VI
14A	LCS	Modified TO-17 VI
14AA	LCSD	Modified TO-17 VI

CERTIFIED BY: Heidi Hayes DATE: 06/28/17

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
TX NELAP - T104704434-16-11, UT NELAP CA0093332016-7, VA NELAP - 8113, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2016, Expiration date: 10/17/2017.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

LABORATORY NARRATIVE
Modified EPA Method TO-17 (VI Tubes)
GHD
Workorder# 1706340

Eleven TO-17 VI Tube samples were received on June 16, 2017. 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.

Requirement	***TO-17***	***ATL Modifications***
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.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

A sampling volume of 0.2 L was used to convert ng to ug/m3 for the associated Lab Blank.

Sample VP-3-5-170613 was cancelled on 6/21/17. The tube for this sample was tapered at the ends indicating the fittings were over-tightened. As a result, the tube will not pass leak check and was unable to be analyzed.

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

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Summary of Detected Compounds
EPA METHOD TO-17

Client Sample ID: VP-3-7.5-170613

Lab ID#: 1706340-02A

No Detections Were Found.

Client Sample ID: VP-3-10-170613

Lab ID#: 1706340-03A

No Detections Were Found.

Client Sample ID: VP-2-7.5-170613

Lab ID#: 1706340-04A

No Detections Were Found.

Client Sample ID: VP-1-5-170613

Lab ID#: 1706340-05A

No Detections Were Found.

Client Sample ID: VP-1-7.5-170613

Lab ID#: 1706340-06A

No Detections Were Found.

Client Sample ID: VP-1-10-170613

Lab ID#: 1706340-07A

No Detections Were Found.

Client Sample ID: Duplicate-1-170613

Lab ID#: 1706340-08A

No Detections Were Found.

Client Sample ID: VP-4-5-170613

Lab ID#: 1706340-09A

No Detections Were Found.

Client Sample ID: VP-4-7.5-170613

Lab ID#: 1706340-10A

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Summary of Detected Compounds
EPA METHOD TO-17

Client Sample ID: VP-4-7.5-170613

Lab ID#: 1706340-10A

No Detections Were Found.

Client Sample ID: VP-4-10-170613

Lab ID#: 1706340-11A

No Detections Were Found.

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Client Sample ID: VP-3-7.5-170613

Lab ID#: 1706340-02A

EPA METHOD TO-17

File Name:	**6061908**	**Date of Extraction: NA**	**Date of Collection: 6/13/17 9:36:00 AM**
Dil. Factor:	**1.00**		**Date of Analysis: 6/19/17 01:48 PM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	1.0	5.0	Not Detected	Not Detected

Air Sample Volume(L): 0.200
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	102	50-150

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Client Sample ID: VP-3-10-170613

Lab ID#: 1706340-03A

EPA METHOD TO-17

File Name:	**6061909**	**Date of Extraction: NA**	**Date of Collection: 6/13/17 9:56:00 AM**
Dil. Factor:	**1.00**		**Date of Analysis: 6/19/17 02:31 PM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	1.0	5.0	Not Detected	Not Detected

Air Sample Volume(L): 0.200
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	100	50-150

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Client Sample ID: VP-2-7.5-170613

Lab ID#: 1706340-04A

EPA METHOD TO-17

File Name:	**6061910**	**Date of Extraction: NA**	**Date of Collection: 6/13/17 11:17:00 AM**
Dil. Factor:	**1.00**		**Date of Analysis: 6/19/17 03:14 PM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	1.0	5.0	Not Detected	Not Detected

Air Sample Volume(L): 0.200
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	98	50-150

eurofins | Air Toxics

Client Sample ID: VP-1-5-170613

Lab ID#: 1706340-05A

EPA METHOD TO-17

File Name:	**6061911**	**Date of Extraction: NA**	**Date of Collection: 6/13/17 12:58:00 PM**
Dil. Factor:	**1.00**		**Date of Analysis: 6/19/17 03:57 PM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	1.0	5.0	Not Detected	Not Detected

Air Sample Volume(L): 0.200
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	98	50-150

eurofins | Air Toxics

Client Sample ID: VP-1-7.5-170613

Lab ID#: 1706340-06A

EPA METHOD TO-17

File Name:	**6061912**	**Date of Extraction: NA**	**Date of Collection: 6/13/17 1:20:00 PM**
Dil. Factor:	**1.00**		**Date of Analysis: 6/19/17 04:41 PM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	1.0	5.0	Not Detected	Not Detected

Air Sample Volume(L): 0.200
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	100	50-150

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Client Sample ID: VP-1-10-170613

Lab ID#: 1706340-07A

EPA METHOD TO-17

File Name:	**6061913**	**Date of Extraction: NA**	**Date of Collection: 6/13/17 1:43:00 PM**
Dil. Factor:	**1.00**		**Date of Analysis: 6/19/17 05:25 PM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	1.0	5.0	Not Detected	Not Detected

Air Sample Volume(L): 0.200
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	96	50-150

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Client Sample ID: Duplicate-1-170613

Lab ID#: 1706340-08A

EPA METHOD TO-17

File Name:	**6061907**	**Date of Extraction: NA**	**Date of Collection: 6/13/17**
Dil. Factor:	**1.00**		**Date of Analysis: 6/19/17 01:06 PM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	1.0	5.0	Not Detected	Not Detected

Air Sample Volume(L): 0.200
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	95	50-150

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Client Sample ID: VP-4-5-170613

Lab ID#: 1706340-09A

EPA METHOD TO-17

File Name:	**6061914**	**Date of Extraction: NA**	**Date of Collection: 6/13/17 2:28:00 PM**
Dil. Factor:	**1.00**		**Date of Analysis: 6/19/17 06:07 PM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	1.0	5.0	Not Detected	Not Detected

Air Sample Volume(L): 0.200
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	94	50-150

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Client Sample ID: VP-4-7.5-170613

Lab ID#: 1706340-10A

EPA METHOD TO-17

File Name:	**6061915**	**Date of Extraction: NA**	**Date of Collection: 6/13/17 2:48:00 PM**
Dil. Factor:	**1.00**		**Date of Analysis: 6/19/17 06:48 PM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	1.0	5.0	Not Detected	Not Detected

Air Sample Volume(L): 0.200
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	87	50-150

eurofins | Air Toxics

Client Sample ID: VP-4-10-170613

Lab ID#: 1706340-11A

EPA METHOD TO-17

File Name:	**6061916**	**Date of Extraction: NA**	**Date of Collection: 6/13/17 3:06:00 PM**
Dil. Factor:	**1.00**		**Date of Analysis: 6/19/17 07:30 PM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	1.0	5.0	Not Detected	Not Detected

Air Sample Volume(L): 0.200
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	70	50-150

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1706340-12A

EPA METHOD TO-17

File Name:	**6061906**	**Date of Extraction: NA**	**Date of Collection: NA**
Dil. Factor:	**1.00**		**Date of Analysis: 6/19/17 11:21 AM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	1.0	5.0	Not Detected	Not Detected

Air Sample Volume(L): 0.200

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Naphthalene-d8	119	50-150

eurofins | Air Toxics

Client Sample ID: CCV
Lab ID#: 1706340-13A
EPA METHOD TO-17

File Name:	**6061902**	**Date of Extraction: NA**	**Date of Collection: NA**
Dil. Factor:	**1.00**		**Date of Analysis: 6/19/17 08:39 AM**

Compound	%Recovery
Naphthalene	104

Air Sample Volume(L): 1.00
Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Naphthalene-d8	117	50-150

eurofins | Air Toxics

Client Sample ID: LCS
Lab ID#: 1706340-14A
EPA METHOD TO-17

File Name:	**6061903**	**Date of Extraction: NA**	**Date of Collection: NA**
Dil. Factor:	**1.00**		**Date of Analysis: 6/19/17 09:19 AM**

Compound	%Recovery	Method Limits
Naphthalene	110	70-130

Air Sample Volume(L): 1.00
Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Naphthalene-d8	107	50-150

eurofins | Air Toxics

Client Sample ID: LCSD
Lab ID#: 1706340-14AA
EPA METHOD TO-17

File Name:	**6061904**	**Date of Extraction: NA**	**Date of Collection: NA**
Dil. Factor:	**1.00**		**Date of Analysis: 6/19/17 10:00 AM**

Compound	%Recovery	Method Limits
Naphthalene	111	70-130

Air Sample Volume(L): 1.00
Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Naphthalene-d8	107	50-150

TO-17 SAMPLE COLLECTION

eurofins | Air Toxics

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Eurofins 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 Eurofins 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 Kiersten Hoey
Collected by: (Print and Sign) Jess Hudnall
Company GHD Email Kiersten.Hoey@GHD.com
Address 5900 Hollis, Ste A City Emeryville State CA Zip 94608
Phone 510-420-3342 Fax

Project Info:
P.O. #
Project # 3118806
Project Name Chevron 93322

Turn Around Time:
☒ Normal
☐ Rush
specify

Reporting Units:
☐ ppmv
☐ ppbv
☐ µg/m3
☐ mg/m3

Lab I.D.	Field Sample I.D. (Location)	Engraved or Stamped Tube #	Date of Collection (mm/dd/yy)	Start Time (hr:min)	Date of Retrieval (mm/dd/yy)	End Time (hr:min)	Pre-Test Flow Rate	Post-Test Flow Rate	Volume	Indoor Air	Outdoor Air	Soil Vapor	Other ( )
01A	VP-3-5-170613	G0114977	06/13/17			0920			20ml	☐	☐	☒	☐
02A	VP-3-7.5-170613	G0143443				0936				☐	☐	☐	☐
03A	VP-3-10-170613	G0150143				0956				☐	☐	☐	☐
04A	VP-2-7.5-170613	G0149734				1117				☐	☐	☐	☐
05A	VP-1-5-170613	G0152217				1258				☐	☐	☐	☐
06A	VP-1-7.5-170613	G0143438				1320				☐	☐	☐	☐
07A	VP-1-10-170613	G0152290				1343				☐	☐	☐	☐
08A	Duplicate-1-170613	G0146789				—				☐	☐	☐	☐
09A	VP-4-5-170613	G0125582				1428				☐	☐	☐	☐
10A	VP-4-7.5-170613	G0139104			16	1448				☐	☐	☐	☐

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
	6/16/17 1453		6-14-17 1453
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

Notes:

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Courier		4.4	Good	Yes No None	1706340

TO-17 SAMPLE COLLECTION

eurofins | 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. Eurofins 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 Eurofins 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

CHAIN-OF-CUSTODY RECORD

Project Manager Kiersten Hoey
Collected by: (Print and Sign) Jess Hydnall
Company GHD Email Kiersten.Hoey@GHD
Address 5900 Hollis, Ste A City Emeryville State CA Zip 94608
Phone 510-420-3342 Fax

Project Info:
P.O. #
Project # 3118806
Project Name Chevron 93322

Turn Around Time:
☑ Normal
☐ Rush
specify

Reporting Units:
☐ ppmv
☐ ppbv
☐ µg/m3
☐ mg/m3

Lab I.D.	Field Sample I.D. (Location)	Engraved or Stamped Tube #	Date of Collection (mm/dd/yy)	Start Time (hr:min)	Date of Retrieval (mm/dd/yy)	End Time (hr:min)	Pre-Test Flow Rate	Post-Test Flow Rate	Volume	Indoor Air	Outdoor Air	Soil Vapor	Other ( )
11A	VP-4-10-170613	00147229	6/13/17			1506			200 ml	☐	☐	☑	☐
										☐	☐	☐	☐
										☐	☐	☐	☐
										☐	☐	☐	☐
										☐	☐	☐	☐
										☐	☐	☐	☐
										☐	☐	☐	☐
										☐	☐	☐	☐
										☐	☐	☐	☐
										☐	☐	☐	☐

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
	6/16/17 11:53		6-16-17 1153
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

Notes:

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Carrier		4.4	Cool	Yes No (None)	1706340

eurofins | Air Toxics

6/30/2017
Ms. Kiersten Hoey
GHD
5900 Hollis Street
Suite A
Emeryville CA 94608

Project Name: Chevron 93322
Project #: 311806
Workorder #: 1706342A

Dear Ms. Kiersten Hoey

The following report includes the data for the above referenced project for sample(s) received on 6/16/2017 at Air Toxics Ltd.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Rachel Selenis at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Rachel Selenis

Project Manager

eurofins | Air Toxics

WORK ORDER #: 1706342A

Work Order Summary

CLIENT:	Ms. Kiersten Hoey GHD 5900 Hollis Street Suite A Emeryville, CA 94608	**BILL TO:**	Accounts Payable Chevron U.S.A. Inc. 6001 Bollinger Canyon Road L4310 San Ramon, CA 94583
PHONE:	510-420-0700	**P.O. #**	NWENV009332200801
FAX:	510-420-9170	**PROJECT #**	311806 Chevron 93322
DATE RECEIVED:	06/16/2017	**CONTACT:**	Rachel Selenis
DATE COMPLETED:	06/29/2017		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	VP-3-5-170613	TO-15	3.7 "Hg	14.7 psi
02A	VP-3-7.5-170613	TO-15	4.5 "Hg	15 psi
03A	VP-3-10-170613	TO-15	4.5 "Hg	14.8 psi
04A	VP-2-7.5-170613	TO-15	3.9 "Hg	15 psi
05A	VP-1-5-170613	TO-15	6.7 "Hg	14.8 psi
06A	VP-1-7.5-170613	TO-15	4.1 "Hg	15.1 psi
07A	VP-1-10-170613	TO-15	3.9 "Hg	15.2 psi
08A	Duplicate-1-170613	TO-15	6.3 "Hg	15.4 psi
09A	VP-4-5-170613	TO-15	6.7 "Hg	15 psi
10A	VP-4-7.5-170613	TO-15	5.9 "Hg	14.9 psi
11A	VP-4-10-170613	TO-15	5.3 "Hg	14.7 psi
12A	Lab Blank	TO-15	NA	NA
12B	Lab Blank	TO-15	NA	NA
12C	Lab Blank	TO-15	NA	NA
13A	CCV	TO-15	NA	NA
13B	CCV	TO-15	NA	NA
13C	CCV	TO-15	NA	NA
14A	LCS	TO-15	NA	NA
14AA	LCSD	TO-15	NA	NA
14B	LCS	TO-15	NA	NA
14BB	LCSD	TO-15	NA	NA
14C	LCS	TO-15	NA	NA
14CC	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Rayos DATE: 06/30/17

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
TX NELAP - T104704434-16-11, UT NELAP CA0093332016-7, VA NELAP - 8113, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2016, Expiration date: 10/17/2017.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

LABORATORY NARRATIVE
EPA Method TO-15
GHD
Workorder# 1706342A

Eleven 1 Liter Summa Canister samples were received on June 16, 2017. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

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 samples VP-3-10-170613, VP-4-5-170613, VP-4-7.5-170613, and VP-4-10-170613 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

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VP-3-5-170613

Lab ID#: 1706342A-01A

No Detections Were Found.

Client Sample ID: VP-3-7.5-170613

Lab ID#: 1706342A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Toluene	1.2	2.4	4.5	8.9

Client Sample ID: VP-3-10-170613

Lab ID#: 1706342A-03A

No Detections Were Found.

Client Sample ID: VP-2-7.5-170613

Lab ID#: 1706342A-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Toluene	1.2	2.0	4.4	7.6

Client Sample ID: VP-1-5-170613

Lab ID#: 1706342A-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.3	1.4	4.1	4.5
Toluene	1.3	2.3	4.9	8.6
Methyl tert-butyl ether	5.2	80	19	290
TPH ref. to Gasoline (MW=100)	130	770	530	3100

Client Sample ID: VP-1-7.5-170613

Lab ID#: 1706342A-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Toluene	1.2	3.9	4.4	14
Methyl tert-butyl ether	4.7	64	17	230

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VP-1-7.5-170613

Lab ID#: 1706342A-06A

TPH ref. to Gasoline (MW=100)	120	710	480	2900

Client Sample ID: VP-1-10-170613

Lab ID#: 1706342A-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methyl tert-butyl ether	4.7	53	17	190
TPH ref. to Gasoline (MW=100)	120	3400	480	14000

Client Sample ID: Duplicate-1-170613

Lab ID#: 1706342A-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Toluene	1.3	2.3	4.9	8.7
Methyl tert-butyl ether	5.2	83	19	300
TPH ref. to Gasoline (MW=100)	130	720	530	2900

Client Sample ID: VP-4-5-170613

Lab ID#: 1706342A-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
TPH ref. to Gasoline (MW=100)	11000	520000	44000	2100000

Client Sample ID: VP-4-7.5-170613

Lab ID#: 1706342A-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
TPH ref. to Gasoline (MW=100)	1700	58000	6800	240000

Client Sample ID: VP-4-10-170613

Lab ID#: 1706342A-11A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
TPH ref. to Gasoline (MW=100)	20000	1200000	83000	4900000

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Client Sample ID: VP-3-5-170613

Lab ID#: 1706342A-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p061924**	**Date of Collection: 6/13/17 9:18:00 AM**	
Dil. Factor:	**2.28**	**Date of Analysis: 6/19/17 11:54 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.1	Not Detected	3.6	Not Detected
Ethyl Benzene	1.1	Not Detected	4.9	Not Detected
Toluene	1.1	Not Detected	4.3	Not Detected
m,p-Xylene	1.1	Not Detected	5.0	Not Detected
o-Xylene	1.1	Not Detected	5.0	Not Detected
Methyl tert-butyl ether	4.6	Not Detected	16	Not Detected
Naphthalene	2.3	Not Detected	12	Not Detected
TPH ref. to Gasoline (MW=100)	110	Not Detected	470	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	113	70-130

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Client Sample ID: VP-3-7.5-170613

Lab ID#: 1706342A-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p061925**	**Date of Collection: 6/13/17 9:34:00 AM**	
Dil. Factor:	**2.38**	**Date of Analysis: 6/20/17 12:21 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.2	Not Detected	3.8	Not Detected
Ethyl Benzene	1.2	Not Detected	5.2	Not Detected
Toluene	1.2	2.4	4.5	8.9
m,p-Xylene	1.2	Not Detected	5.2	Not Detected
o-Xylene	1.2	Not Detected	5.2	Not Detected
Methyl tert-butyl ether	4.8	Not Detected	17	Not Detected
Naphthalene	2.4	Not Detected	12	Not Detected
TPH ref. to Gasoline (MW=100)	120	Not Detected	490	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	111	70-130

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Client Sample ID: VP-3-10-170613

Lab ID#: 1706342A-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p062016**	**Date of Collection: 6/13/17 9:54:00 AM**	
Dil. Factor:	**23.6**	**Date of Analysis: 6/20/17 07:20 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	12	Not Detected	38	Not Detected
Ethyl Benzene	12	Not Detected	51	Not Detected
Toluene	12	Not Detected	44	Not Detected
m,p-Xylene	12	Not Detected	51	Not Detected
o-Xylene	12	Not Detected	51	Not Detected
Methyl tert-butyl ether	47	Not Detected	170	Not Detected
Naphthalene	24	Not Detected	120	Not Detected
TPH ref. to Gasoline (MW=100)	1200	Not Detected	4800	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	108	70-130

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Client Sample ID: VP-2-7.5-170613

Lab ID#: 1706342A-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p061926**	**Date of Collection: 6/13/17 11:15:00 AM**	
Dil. Factor:	**2.32**	**Date of Analysis: 6/20/17 12:47 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.2	Not Detected	3.7	Not Detected
Ethyl Benzene	1.2	Not Detected	5.0	Not Detected
Toluene	1.2	2.0	4.4	7.6
m,p-Xylene	1.2	Not Detected	5.0	Not Detected
o-Xylene	1.2	Not Detected	5.0	Not Detected
Methyl tert-butyl ether	4.6	Not Detected	17	Not Detected
Naphthalene	2.3	Not Detected	12	Not Detected
TPH ref. to Gasoline (MW=100)	120	Not Detected	470	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	112	70-130

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Client Sample ID: VP-1-5-170613

Lab ID#: 1706342A-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p061927**	**Date of Collection: 6/13/17 12:56:00 PM**	
Dil. Factor:	**2.58**	**Date of Analysis: 6/20/17 01:13 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.3	1.4	4.1	4.5
Ethyl Benzene	1.3	Not Detected	5.6	Not Detected
Toluene	1.3	2.3	4.9	8.6
m,p-Xylene	1.3	Not Detected	5.6	Not Detected
o-Xylene	1.3	Not Detected	5.6	Not Detected
Methyl tert-butyl ether	5.2	80	19	290
Naphthalene	2.6	Not Detected	14	Not Detected
TPH ref. to Gasoline (MW=100)	130	770	530	3100

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	115	70-130

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Client Sample ID: VP-1-7.5-170613

Lab ID#: 1706342A-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p061928**	**Date of Collection: 6/13/17 1:18:00 PM**	
Dil. Factor:	**2.35**	**Date of Analysis: 6/20/17 01:40 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.2	Not Detected	3.8	Not Detected
Ethyl Benzene	1.2	Not Detected	5.1	Not Detected
Toluene	1.2	3.9	4.4	14
m,p-Xylene	1.2	Not Detected	5.1	Not Detected
o-Xylene	1.2	Not Detected	5.1	Not Detected
Methyl tert-butyl ether	4.7	64	17	230
Naphthalene	2.4	Not Detected	12	Not Detected
TPH ref. to Gasoline (MW=100)	120	710	480	2900

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	114	70-130

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Client Sample ID: VP-1-10-170613

Lab ID#: 1706342A-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p061929**	**Date of Collection: 6/13/17 1:41:00 PM**	
Dil. Factor:	**2.34**	**Date of Analysis: 6/20/17 02:06 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.2	Not Detected	3.7	Not Detected
Ethyl Benzene	1.2	Not Detected	5.1	Not Detected
Toluene	1.2	Not Detected	4.4	Not Detected
m,p-Xylene	1.2	Not Detected	5.1	Not Detected
o-Xylene	1.2	Not Detected	5.1	Not Detected
Methyl tert-butyl ether	4.7	53	17	190
Naphthalene	2.3	Not Detected	12	Not Detected
TPH ref. to Gasoline (MW=100)	120	3400	480	14000

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	113	70-130

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Client Sample ID: Duplicate-1-170613

Lab ID#: 1706342A-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p062014**	**Date of Collection: 6/13/17**	
Dil. Factor:	**2.59**	**Date of Analysis: 6/20/17 06:24 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.3	Not Detected	4.1	Not Detected
Ethyl Benzene	1.3	Not Detected	5.6	Not Detected
Toluene	1.3	2.3	4.9	8.7
m,p-Xylene	1.3	Not Detected	5.6	Not Detected
o-Xylene	1.3	Not Detected	5.6	Not Detected
Methyl tert-butyl ether	5.2	83	19	300
Naphthalene	2.6	Not Detected	14	Not Detected
TPH ref. to Gasoline (MW=100)	130	720	530	2900

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	117	70-130

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Client Sample ID: VP-4-5-170613

Lab ID#: 1706342A-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p062118**	**Date of Collection: 6/13/17 2:26:00 PM**	
Dil. Factor:	**217**	**Date of Analysis: 6/21/17 07:48 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	110	Not Detected	350	Not Detected
Ethyl Benzene	110	Not Detected	470	Not Detected
Toluene	110	Not Detected	410	Not Detected
m,p-Xylene	110	Not Detected	470	Not Detected
o-Xylene	110	Not Detected	470	Not Detected
Methyl tert-butyl ether	430	Not Detected	1600	Not Detected
Naphthalene	220	Not Detected	1100	Not Detected
TPH ref. to Gasoline (MW=100)	11000	520000	44000	2100000

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	116	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	111	70-130

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Client Sample ID: VP-4-7.5-170613

Lab ID#: 1706342A-10A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p062015**	**Date of Collection: 6/13/17 2:46:00 PM**	
Dil. Factor:	**33.4**	**Date of Analysis: 6/20/17 06:53 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	17	Not Detected	53	Not Detected
Ethyl Benzene	17	Not Detected	72	Not Detected
Toluene	17	Not Detected	63	Not Detected
m,p-Xylene	17	Not Detected	72	Not Detected
o-Xylene	17	Not Detected	72	Not Detected
Methyl tert-butyl ether	67	Not Detected	240	Not Detected
Naphthalene	33	Not Detected	180	Not Detected
TPH ref. to Gasoline (MW=100)	1700	58000	6800	240000

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	109	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	110	70-130

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Client Sample ID: VP-4-10-170613

Lab ID#: 1706342A-11A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p062025**	**Date of Collection: 6/13/17 3:04:00 PM**	
Dil. Factor:	**405**	**Date of Analysis: 6/21/17 01:13 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	200	Not Detected	650	Not Detected
Ethyl Benzene	200	Not Detected	880	Not Detected
Toluene	200	Not Detected	760	Not Detected
m,p-Xylene	200	Not Detected	880	Not Detected
o-Xylene	200	Not Detected	880	Not Detected
Methyl tert-butyl ether	810	Not Detected	2900	Not Detected
Naphthalene	400	Not Detected	2100	Not Detected
TPH ref. to Gasoline (MW=100)	20000	1200000	83000	4900000

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	112	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	109	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1706342A-12A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p061907**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/19/17 01:09 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.50	Not Detected	1.6	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Methyl tert-butyl ether	2.0	Not Detected	7.2	Not Detected
Naphthalene	1.0	Not Detected	5.2	Not Detected
TPH ref. to Gasoline (MW=100)	50	Not Detected	200	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	108	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1706342A-12B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p062007**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/20/17 12:34 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.50	Not Detected	1.6	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Methyl tert-butyl ether	2.0	Not Detected	7.2	Not Detected
Naphthalene	1.0	Not Detected	5.2	Not Detected
TPH ref. to Gasoline (MW=100)	50	Not Detected	200	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	109	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1706342A-12C

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p062109**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/21/17 03:02 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.50	Not Detected	1.6	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Methyl tert-butyl ether	2.0	Not Detected	7.2	Not Detected
Naphthalene	1.0	Not Detected	5.2	Not Detected
TPH ref. to Gasoline (MW=100)	50	Not Detected	200	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	112	70-130

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Client Sample ID: CCV

Lab ID#: 1706342A-13A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p061902**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/19/17 08:15 AM**	

Compound	%Recovery
Benzene	97
Ethyl Benzene	91
Toluene	98
m,p-Xylene	91
o-Xylene	88
Methyl tert-butyl ether	74
Naphthalene	82
TPH ref. to Gasoline (MW=100)	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	116	70-130

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Client Sample ID: CCV

Lab ID#: 1706342A-13B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p062002**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/20/17 08:29 AM**	

Compound	%Recovery
Benzene	99
Ethyl Benzene	91
Toluene	99
m,p-Xylene	91
o-Xylene	88
Methyl tert-butyl ether	74
Naphthalene	80
TPH ref. to Gasoline (MW=100)	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	116	70-130

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Client Sample ID: CCV

Lab ID#: 1706342A-13C

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p062102**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/21/17 09:12 AM**	

Compound	%Recovery
Benzene	93
Ethyl Benzene	88
Toluene	95
m,p-Xylene	89
o-Xylene	86
Methyl tert-butyl ether	70
Naphthalene	74
TPH ref. to Gasoline (MW=100)	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	117	70-130

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Client Sample ID: LCS

Lab ID#: 1706342A-14A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p061903**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/19/17 08:39 AM**	

Compound	%Recovery	Method Limits
Benzene	98	70-130
Ethyl Benzene	93	70-130
Toluene	98	70-130
m,p-Xylene	93	70-130
o-Xylene	91	70-130
Methyl tert-butyl ether	76	70-130
Naphthalene	84	60-140
TPH ref. to Gasoline (MW=100)	Not Spiked	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	113	70-130

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Client Sample ID: LCSD

Lab ID#: 1706342A-14AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p061904**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/19/17 09:04 AM**	

Compound	%Recovery	Method Limits
Benzene	98	70-130
Ethyl Benzene	95	70-130
Toluene	101	70-130
m,p-Xylene	95	70-130
o-Xylene	93	70-130
Methyl tert-butyl ether	76	70-130
Naphthalene	89	60-140
TPH ref. to Gasoline (MW=100)	Not Spiked	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	114	70-130

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Client Sample ID: LCS

Lab ID#: 1706342A-14B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p062003**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/20/17 08:53 AM**	

Compound	%Recovery	Method Limits
Benzene	101	70-130
Ethyl Benzene	96	70-130
Toluene	102	70-130
m,p-Xylene	94	70-130
o-Xylene	93	70-130
Methyl tert-butyl ether	76	70-130
Naphthalene	83	60-140
TPH ref. to Gasoline (MW=100)	Not Spiked	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	115	70-130

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Client Sample ID: LCSD

Lab ID#: 1706342A-14BB

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p062004**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/20/17 09:17 AM**	

Compound	%Recovery	Method Limits
Benzene	98	70-130
Ethyl Benzene	94	70-130
Toluene	98	70-130
m,p-Xylene	93	70-130
o-Xylene	93	70-130
Methyl tert-butyl ether	78	70-130
Naphthalene	86	60-140
TPH ref. to Gasoline (MW=100)	Not Spiked	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	116	70-130

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Client Sample ID: LCS

Lab ID#: 1706342A-14C

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p062103**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/21/17 09:37 AM**	

Compound	%Recovery	Method Limits
Benzene	90	70-130
Ethyl Benzene	90	70-130
Toluene	93	70-130
m,p-Xylene	93	70-130
o-Xylene	89	70-130
Methyl tert-butyl ether	72	70-130
Naphthalene	82	60-140
TPH ref. to Gasoline (MW=100)	Not Spiked	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	115	70-130

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Client Sample ID: LCSD

Lab ID#: 1706342A-14CC

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p062104**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/21/17 10:02 AM**	

Compound	%Recovery	Method Limits
Benzene	90	70-130
Ethyl Benzene	90	70-130
Toluene	92	70-130
m,p-Xylene	90	70-130
o-Xylene	89	70-130
Methyl tert-butyl ether	71	70-130
Naphthalene	89	60-140
TPH ref. to Gasoline (MW=100)	Not Spiked	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	115	70-130

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CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager: Kiersten Hoey
Collected by: (Print and Sign) Kiss Hudnall
Company: GHD
Email: Kiersten.Hoey@GHD.com
Address: 590 Hollis, Ste A City: Emeryville State: CA Zip: 94608
Phone: 510-420-3342 Fax:

Project Info:
P.O. #
Project #: 3118806
Project Name: Chevron 93322

Turn Around Time: ☒ Normal ☐ Rush specify

Lab Use Only: Pressurized by: Date: Pressurization Gas: N2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested (All Samples)	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	VP-3-5-170613	37605	6/13/17	0918	TPHg, BTEX, MTBE	-29	-4		
02A	VP-3-7.5-170613	37731		0934	and Napthalene	-30	-4		
03A	VP-3-10-170613	37793		0954	by TO-15	-29	-4		
04A	VP-2-7.5-170613	162592		1115	AND	-29	-4		
05A	VP-1-5-170613	162851		1256	O_2, CO_2, N_2, CH_4	-28	-4		
06A	VP-1-7.5-170613	162754		1318	and Helium by	-25	-4		
07A	VP-1-10-170613	162532		1341	ASTM D-1946	-30	-4		
08A	Duplicate-1-170613	162759		—	APH(sp) Aromatics C8-C12	-28	-4		
09A	VP-4-5-170613	40948		1426	and APH(sp) Aliphatics	-30	-4		
10A	VP-4-7.5-170613	7851	↓	1446	C5-C12 by TO-15	-28	-4		

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
[signature]	6/16/17 11:53	[signature]	6-16-17 1153

Notes:

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Courier		NA	Good	Yes No (None)	1706342

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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

Project Manager Kiersten Hoey
Collected by: (Print and Sign) Kiss Hoey
Company GHD Email Kiersten.Hoey@GHD.com
Address 3161 Hollis, Ste A City Emeryville State CA Zip 94608
Phone 510-420-3342 Fax

Project Info:
P.O. #
Project # 31800
Project Name Chevron 93322

Turn Around Time:
☒ Normal
☐ Rush
specify

Lab Use Only
Pressurized by
Date
Pressurization Gas: N2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psig)
01	VP-4-10-170613	3457O	6/13/17	1504	TPHg, BTEX, MTBE and Naphthalene by TO-15	-29	-4		
					O_2, CO_2, N_2, CH_4 and Helium by ASTM D-1946				
					APH(ep) Aromatics C8-C12 and APH(sp) Aliphatics C8-C12 by TO-15				

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	Notes:
	6/16/17 11:53		6-16-17 1153	
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	

Lab Use Only	Shipper Name	Air Bill #	Temp (C)	Condition	Custody Seals Intact?	Work Order #
	Courier		NA	Good	Yes No None	17061342

Form 1295 rev 1

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6/30/2017
Ms. Kiersten Hoey
GHD
5900 Hollis Street
Suite A
Emeryville CA 94608

Project Name: Chevron 93322
Project #: 311806
Workorder #: 1706342B

Dear Ms. Kiersten Hoey

The following report includes the data for the above referenced project for sample(s) received on 6/16/2017 at Air Toxics Ltd.

The data and associated QC analyzed by Modified ASTM D-1946 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Rachel Selenis at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Rachel Selenis

Project Manager

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WORK ORDER #: 1706342B

Work Order Summary

CLIENT:	Ms. Kiersten Hoey GHD 5900 Hollis Street Suite A Emeryville, CA 94608	**BILL TO:**	Accounts Payable Chevron U.S.A. Inc. 6001 Bollinger Canyon Road L4310 San Ramon, CA 94583
PHONE:	510-420-0700	**P.O. #**	NWENV009332200801
FAX:	510-420-9170	**PROJECT #**	311806 Chevron 93322
DATE RECEIVED:	06/16/2017	**CONTACT:**	Rachel Selenis
DATE COMPLETED:	06/29/2017		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	VP-3-5-170613	Modified ASTM D-1946	3.7 "Hg	14.7 psi
02A	VP-3-7.5-170613	Modified ASTM D-1946	4.5 "Hg	15 psi
03A	VP-3-10-170613	Modified ASTM D-1946	4.5 "Hg	14.8 psi
04A	VP-2-7.5-170613	Modified ASTM D-1946	3.9 "Hg	15 psi
05A	VP-1-5-170613	Modified ASTM D-1946	6.7 "Hg	14.8 psi
06A	VP-1-7.5-170613	Modified ASTM D-1946	4.1 "Hg	15.1 psi
07A	VP-1-10-170613	Modified ASTM D-1946	3.9 "Hg	15.2 psi
08A	Duplicate-1-170613	Modified ASTM D-1946	6.3 "Hg	15.4 psi
09A	VP-4-5-170613	Modified ASTM D-1946	6.7 "Hg	15 psi
10A	VP-4-7.5-170613	Modified ASTM D-1946	5.9 "Hg	14.9 psi
11A	VP-4-10-170613	Modified ASTM D-1946	5.3 "Hg	14.7 psi
12A	Lab Blank	Modified ASTM D-1946	NA	NA
12B	Lab Blank	Modified ASTM D-1946	NA	NA
13A	LCS	Modified ASTM D-1946	NA	NA
13AA	LCSD	Modified ASTM D-1946	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 06/29/17

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
TX NELAP - T104704434-16-11, UT NELAP CA0093332016-7, VA NELAP - 8113, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2016, Expiration date: 10/17/2017.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

LABORATORY NARRATIVE
Modified ASTM D-1946
GHD
Workorder# 1706342B

Eleven 1 Liter Summa Canister samples were received on June 16, 2017. 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.

Requirement	***ASTM D-1946***	***ATL Modifications***
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 >/= 95% accuracy.
Sample Injection Volume	Components whose concentrations are in excess of 5 % should not be analyzed by using sample volumes greater than 0.5 mL.	The sample container is connected directly to a fixed volume sample loop of 1.0 mL on the GC. Linear range is defined by the calibration curve. Bags are loaded by vacuum.
Normalization	Normalize the mole percent values by multiplying each value by 100 and dividing by the sum of the original values. The sum of the original values should not differ from 100% by more than 1.0%.	Results are not normalized. The sum of the reported values can differ from 100% by as much as 15%, either due to analytical variability or an unusual sample matrix.
Precision	Precision requirements established at each concentration level.	Duplicates should agree within 25% RPD for detections > 5 X's the RL.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.
File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: VP-3-5-170613

Lab ID#: 1706342B-01A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	10
Nitrogen	0.23	82
Carbon Dioxide	0.023	8.2

Client Sample ID: VP-3-7.5-170613

Lab ID#: 1706342B-02A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	15
Nitrogen	0.24	81
Carbon Dioxide	0.024	3.8

Client Sample ID: VP-3-10-170613

Lab ID#: 1706342B-03A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	18
Nitrogen	0.24	81
Carbon Dioxide	0.024	1.3

Client Sample ID: VP-2-7.5-170613

Lab ID#: 1706342B-04A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	15
Nitrogen	0.23	82
Carbon Dioxide	0.023	2.9

Client Sample ID: VP-1-5-170613

Lab ID#: 1706342B-05A

Compound	Rpt. Limit (%)	Amount (%)

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Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: VP-1-5-170613

Lab ID#: 1706342B-05A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.26	1.5
Nitrogen	0.26	84
Carbon Dioxide	0.026	14
Methane	0.00026	0.28

Client Sample ID: VP-1-7.5-170613

Lab ID#: 1706342B-06A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	9.3
Nitrogen	0.24	83
Carbon Dioxide	0.024	7.4
Methane	0.00024	0.086

Client Sample ID: VP-1-10-170613

Lab ID#: 1706342B-07A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	1.6
Nitrogen	0.23	86
Carbon Dioxide	0.023	12
Methane	0.00023	0.18

Client Sample ID: Duplicate-1-170613

Lab ID#: 1706342B-08A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.26	1.4
Nitrogen	0.26	83
Carbon Dioxide	0.026	15
Methane	0.00026	0.28

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Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: VP-4-5-170613

Lab ID#: 1706342B-09A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.26	2.5
Nitrogen	0.26	80
Carbon Dioxide	0.026	16
Methane	0.00026	1.4

Client Sample ID: VP-4-7.5-170613

Lab ID#: 1706342B-10A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.25	10
Nitrogen	0.25	84
Carbon Dioxide	0.025	5.5
Methane	0.00025	0.013
Helium	0.12	0.41

Client Sample ID: VP-4-10-170613

Lab ID#: 1706342B-11A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	6.8
Nitrogen	0.24	85
Carbon Dioxide	0.024	7.9
Methane	0.00024	0.62

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Client Sample ID: VP-3-5-170613

Lab ID#: 1706342B-01A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10061905**	**Date of Collection: 6/13/17 9:18:00 AM**	
Dil. Factor:	**2.28**	**Date of Analysis: 6/19/17 08:46 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	10
Nitrogen	0.23	82
Carbon Dioxide	0.023	8.2
Methane	0.00023	Not Detected
Helium	0.11	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: VP-3-7.5-170613

Lab ID#: 1706342B-02A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10061906**	**Date of Collection: 6/13/17 9:34:00 AM**	
Dil. Factor:	**2.38**	**Date of Analysis: 6/19/17 09:11 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	15
Nitrogen	0.24	81
Carbon Dioxide	0.024	3.8
Methane	0.00024	Not Detected
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: VP-3-10-170613

Lab ID#: 1706342B-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10061907**	**Date of Collection: 6/13/17 9:54:00 AM**	
Dil. Factor:	**2.36**	**Date of Analysis: 6/19/17 09:34 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	18
Nitrogen	0.24	81
Carbon Dioxide	0.024	1.3
Methane	0.00024	Not Detected
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: VP-2-7.5-170613

Lab ID#: 1706342B-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10061908**	**Date of Collection: 6/13/17 11:15:00 AM**	
Dil. Factor:	**2.32**	**Date of Analysis: 6/19/17 09:59 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	15
Nitrogen	0.23	82
Carbon Dioxide	0.023	2.9
Methane	0.00023	Not Detected
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: VP-1-5-170613

Lab ID#: 1706342B-05A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10061909**	**Date of Collection: 6/13/17 12:56:00 PM**	
Dil. Factor:	**2.59**	**Date of Analysis: 6/19/17 10:22 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.26	1.5
Nitrogen	0.26	84
Carbon Dioxide	0.026	14
Methane	0.00026	0.28
Helium	0.13	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: VP-1-7.5-170613

Lab ID#: 1706342B-06A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10061910**	**Date of Collection: 6/13/17 1:18:00 PM**	
Dil. Factor:	**2.35**	**Date of Analysis: 6/19/17 10:45 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	9.3
Nitrogen	0.24	83
Carbon Dioxide	0.024	7.4
Methane	0.00024	0.086
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: VP-1-10-170613

Lab ID#: 1706342B-07A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10061911**	**Date of Collection: 6/13/17 1:41:00 PM**	
Dil. Factor:	**2.34**	**Date of Analysis: 6/19/17 11:08 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	1.6
Nitrogen	0.23	86
Carbon Dioxide	0.023	12
Methane	0.00023	0.18
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: Duplicate-1-170613

Lab ID#: 1706342B-08A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10061912**	**Date of Collection: 6/13/17**	
Dil. Factor:	**2.59**	**Date of Analysis: 6/19/17 11:32 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.26	1.4
Nitrogen	0.26	83
Carbon Dioxide	0.026	15
Methane	0.00026	0.28
Helium	0.13	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: VP-4-5-170613

Lab ID#: 1706342B-09A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10061913**	**Date of Collection: 6/13/17 2:26:00 PM**	
Dil. Factor:	**2.60**	**Date of Analysis: 6/19/17 11:55 AM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.26	2.5
Nitrogen	0.26	80
Carbon Dioxide	0.026	16
Methane	0.00026	1.4
Helium	0.13	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: VP-4-7.5-170613

Lab ID#: 1706342B-10A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10061914**	**Date of Collection: 6/13/17 2:46:00 PM**	
Dil. Factor:	**2.51**	**Date of Analysis: 6/19/17 12:23 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.25	10
Nitrogen	0.25	84
Carbon Dioxide	0.025	5.5
Methane	0.00025	0.013
Helium	0.12	0.41

Container Type: 1 Liter Summa Canister

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Client Sample ID: VP-4-10-170613

Lab ID#: 1706342B-11A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10061915**	**Date of Collection: 6/13/17 3:04:00 PM**	
Dil. Factor:	**2.43**	**Date of Analysis: 6/19/17 12:52 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	6.8
Nitrogen	0.24	85
Carbon Dioxide	0.024	7.9
Methane	0.00024	0.62
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: Lab Blank

Lab ID#: 1706342B-12A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10061904**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/19/17 08:21 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

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Client Sample ID: Lab Blank

Lab ID#: 1706342B-12B

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10061903c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/19/17 07:58 AM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Helium	0.050	Not Detected

Container Type: NA - Not Applicable

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Client Sample ID: LCS

Lab ID#: 1706342B-13A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10061902**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/19/17 07:32 AM**	

Compound	%Recovery	Method Limits
Oxygen	100	85-115
Nitrogen	88	85-115
Carbon Dioxide	98	85-115
Methane	102	85-115
Helium	99	85-115

Container Type: NA - Not Applicable

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Client Sample ID: LCSD

Lab ID#: 1706342B-13AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10061916**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/19/17 01:17 PM**	

Compound	%Recovery	Method Limits
Oxygen	98	85-115
Nitrogen	88	85-115
Carbon Dioxide	99	85-115
Methane	99	85-115
Helium	100	85-115

Container Type: NA - Not Applicable

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CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager Kiersten Hoey
Collected by: (Print and Sign) Jess Hudnall
Company GHD Email Kiersten.Hoey@GHD.com
Address 3440 Hollis, Ste A City Emeryville State CA Zip 94608
Phone 510-420-3342 Fax

Project Info:
P.O. # 318806
Project # 318806
Project Name Chevron 93322

Turn Around Time:
~~Normal~~
Rush
specify

Lab Use Only
Pressurized by:
Date:
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested (All Samples)	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	VP-3-5-170613	37605	6/13/17	0918	TPHg, BTEX, MTBE	-29	-4		
02A	VP-3-7.5-170613	3731		0934	and Napthalene	-30	-4		
03A	VP-3-10-170613	37793		0954	by TO-15	-29	-4		
04A	VP-2-7.5-170613	1L2592		1115	AND	-29	-4		
05A	VP-1-5-170613	1L2851		1256	O_2, CO_2, N_2, CH_4	-28	-4		
06A	VP-1-7.5-170613	1L2754		1318	and Helium by	-25	-4		
07A	VP-1-10-170613	1L2532		1341	ASTM D-1946	-30	-4		
08A	Duplicate-1-170613	1L2759		—	APH(ss) Aromatics C8-C12	-28	-4		
09A	VP-4-5-170613	40948		1426	and APH(ss) Aliphatics	-26	-4		
10A	VP-4-7.5-170613	2851		1446	C5-C12 by TO-15	-28	-4		

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
	6/16/17 11:53		6-16-17 11:53
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

Notes:

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Courier		NA	Good	Yes No (None)	1706342

Form 1293 rev.11

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Sample Transportation Notice
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180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager Kiersten Hoey
Collected by: (Print and Sign) Jess Thornhill
Company GHD Email Kiersten.Hoey@GHD
Address 3900 Hollis, Ste A City Emeryville State CA Zip 94608
Phone 510-420-3342 Fax

Project Info:
P.O. #
Project # 311806
Project Name Chevron 93322

Turn Around Time:
☒ Normal
☐ Rush
specify

Lab Use Only
Pressurized by:
Date:
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
11A	VP-4-10-170613	31578	6/13/17	1504	TPHg, BTEX, MTBE and Naphthalene by TO-15	-29	-4		
					O_2, CO_2, N_2, CH_4 and Helium by ASTM D-1946				
					APH(sp) Aromatics C8-C12 and APH(sp) Aliphatics C5-C12 by TO-15				

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
	6/16/17 11:53		6-16-17 1153
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

Notes:

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Courier		NA	Good	Yes No None	17061342

Form 1293 rev.11

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6/30/2017

Ms. Kiersten Hoey
GHD
5900 Hollis Street
Suite A
Emeryville CA 94608

Project Name: Chevron 93322
Project #: 311806
Workorder #: 1706342C

Dear Ms. Kiersten Hoey

The following report includes the data for the above referenced project for sample(s) received on 6/16/2017 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 APH are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Rachel Selenis at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Rachel Selenis

Project Manager

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WORK ORDER #: 1706342C

Work Order Summary

CLIENT:	Ms. Kiersten Hoey GHD 5900 Hollis Street Suite A Emeryville, CA 94608	**BILL TO:**	Accounts Payable Chevron U.S.A. Inc. 6001 Bollinger Canyon Road L4310 San Ramon, CA 94583
PHONE:	510-420-0700	**P.O. #**	NWENV009332200801
FAX:	510-420-9170	**PROJECT #**	311806 Chevron 93322
DATE RECEIVED:	06/16/2017	**CONTACT:**	Rachel Selenis
DATE COMPLETED:	06/27/2017		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	VP-3-5-170613	Modified TO-15 APH	3.7 "Hg	14.7 psi
01B	VP-3-5-170613	Modified TO-15 APH	3.7 "Hg	14.7 psi
02A	VP-3-7.5-170613	Modified TO-15 APH	4.5 "Hg	15 psi
02B	VP-3-7.5-170613	Modified TO-15 APH	4.5 "Hg	15 psi
03A	VP-3-10-170613	Modified TO-15 APH	4.5 "Hg	14.8 psi
03B	VP-3-10-170613	Modified TO-15 APH	4.5 "Hg	14.8 psi
04A	VP-2-7.5-170613	Modified TO-15 APH	3.9 "Hg	15 psi
04B	VP-2-7.5-170613	Modified TO-15 APH	3.9 "Hg	15 psi
05A	VP-1-5-170613	Modified TO-15 APH	6.7 "Hg	14.8 psi
05B	VP-1-5-170613	Modified TO-15 APH	6.7 "Hg	14.8 psi
06A	VP-1-7.5-170613	Modified TO-15 APH	4.1 "Hg	15.1 psi
06B	VP-1-7.5-170613	Modified TO-15 APH	4.1 "Hg	15.1 psi
07A	VP-1-10-170613	Modified TO-15 APH	3.9 "Hg	15.2 psi
07B	VP-1-10-170613	Modified TO-15 APH	3.9 "Hg	15.2 psi
08A	Duplicate-1-170613	Modified TO-15 APH	6.3 "Hg	15.4 psi
08B	Duplicate-1-170613	Modified TO-15 APH	6.3 "Hg	15.4 psi
09A	VP-4-5-170613	Modified TO-15 APH	6.7 "Hg	15 psi
09B	VP-4-5-170613	Modified TO-15 APH	6.7 "Hg	15 psi
10A	VP-4-7.5-170613	Modified TO-15 APH	5.9 "Hg	14.9 psi
10B	VP-4-7.5-170613	Modified TO-15 APH	5.9 "Hg	14.9 psi
11A	VP-4-10-170613	Modified TO-15 APH	5.3 "Hg	14.7 psi
11B	VP-4-10-170613	Modified TO-15 APH	5.3 "Hg	14.7 psi
12A	Lab Blank	Modified TO-15 APH	NA	NA

Continued on next page

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WORK ORDER #: 1706342C

Work Order Summary

CLIENT:	Ms. Kiersten Hoey GHD 5900 Hollis Street Suite A Emeryville, CA 94608	**BILL TO:**	Accounts Payable Chevron U.S.A. Inc. 6001 Bollinger Canyon Road L4310 San Ramon, CA 94583
PHONE:	510-420-0700	**P.O. #**	NWENV009332200801
FAX:	510-420-9170	**PROJECT #**	311806 Chevron 93322
DATE RECEIVED:	06/16/2017	**CONTACT:**	Rachel Selenis
DATE COMPLETED:	06/27/2017		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
12B	Lab Blank	Modified TO-15 APH	NA	NA
12C	Lab Blank	Modified TO-15 APH	NA	NA
12D	Lab Blank	Modified TO-15 APH	NA	NA
12E	Lab Blank	Modified TO-15 APH	NA	NA
12F	Lab Blank	Modified TO-15 APH	NA	NA
13A	CCV	Modified TO-15 APH	NA	NA
13B	CCV	Modified TO-15 APH	NA	NA
13C	CCV	Modified TO-15 APH	NA	NA
13D	CCV	Modified TO-15 APH	NA	NA
13E	CCV	Modified TO-15 APH	NA	NA
13F	CCV	Modified TO-15 APH	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 06/29/17

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
TX NELAP - T104704434-16-11, UT NELAP CA0093332016-7, VA NELAP - 8113, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2016, Expiration date: 10/17/2017.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

LABORATORY NARRATIVE
Modified TO-15 & VPH Fractions
GHD
Workorder# 1706342C

Eleven 1 Liter Summa Canister samples were received on June 16, 2017. 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. (Please note that benzene constitutes the >C5-C7 aromatic range and toluene constitutes the >C7-C8 aromatic range. Benzene and toluene concentrations are reported on the TO-15 workorder fraction.)

Aliphatic data is calculated from the Total Ion chromatogram which has been reprocessed in a duplicate file differentiated from the original by the addition of an alphanumeric extension. The Aromatic calculation also uses the information contained in the associated Extracted Ion file.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Dilution was performed on sample VP-3-10-170613 due to the presence of high level non-target species.

Dilution was performed on samples VP-4-5-170613, VP-4-7.5-170613, and VP-4-10-170613 due to matrix interference.

The C6-C8 Aliphatic Hydrocarbon result in samples VP-1-5-170613, VP-1-7.5-170613, VP-1-10-170613, Duplicate-1-170613, VP-4-5-170613, VP-4-7.5-170613, and VP-4-10-170613 is reported as biased high due to an unknown hydrocarbon co-eluting 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

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Summary of Detected Compounds
MODIFIED METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VP-3-5-170613

Lab ID#: 1706342C-01A

No Detections Were Found.

Client Sample ID: VP-3-5-170613

Lab ID#: 1706342C-01B

No Detections Were Found.

Client Sample ID: VP-3-7.5-170613

Lab ID#: 1706342C-02A

No Detections Were Found.

Client Sample ID: VP-3-7.5-170613

Lab ID#: 1706342C-02B

No Detections Were Found.

Client Sample ID: VP-3-10-170613

Lab ID#: 1706342C-03A

No Detections Were Found.

Client Sample ID: VP-3-10-170613

Lab ID#: 1706342C-03B

No Detections Were Found.

Client Sample ID: VP-2-7.5-170613

Lab ID#: 1706342C-04A

No Detections Were Found.

Client Sample ID: VP-2-7.5-170613

Lab ID#: 1706342C-04B

No Detections Were Found.

Client Sample ID: VP-1-5-170613

Lab ID#: 1706342C-05A

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Summary of Detected Compounds
MODIFIED METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VP-1-5-170613

Lab ID#: 1706342C-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	26	26	84	85
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	26	300	100	1200
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	26	54	180	370

Client Sample ID: VP-1-5-170613

Lab ID#: 1706342C-05B

No Detections Were Found.

Client Sample ID: VP-1-7.5-170613

Lab ID#: 1706342C-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	24	210	76	680
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	24	240	96	1000
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	24	24	160	170

Client Sample ID: VP-1-7.5-170613

Lab ID#: 1706342C-06B

No Detections Were Found.

Client Sample ID: VP-1-10-170613

Lab ID#: 1706342C-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	23	1000	76	3400
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	23	1700	96	7100
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	23	36	160	250

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Summary of Detected Compounds
MODIFIED METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VP-1-10-170613

Lab ID#: 1706342C-07B

No Detections Were Found.

Client Sample ID: Duplicate-1-170613

Lab ID#: 1706342C-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	26	27	84	86
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	26	260	110	1100
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	26	51	150	300
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	26	62	180	430

Client Sample ID: Duplicate-1-170613

Lab ID#: 1706342C-08B

No Detections Were Found.

Client Sample ID: VP-4-5-170613

Lab ID#: 1706342C-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	2200	28000	7000	89000
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	2200	390000	8900	1600000
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	2200	32000	13000	180000

Client Sample ID: VP-4-5-170613

Lab ID#: 1706342C-09B

No Detections Were Found.

Client Sample ID: VP-4-7.5-170613

Lab ID#: 1706342C-10A

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Summary of Detected Compounds
MODIFIED METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VP-4-7.5-170613

Lab ID#: 1706342C-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	330	7200	1100	23000
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	330	44000	1400	180000
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	330	2300	1900	14000
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	330	420	2300	2900

Client Sample ID: VP-4-7.5-170613

Lab ID#: 1706342C-10B

No Detections Were Found.

Client Sample ID: VP-4-10-170613

Lab ID#: 1706342C-11A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	4000	370000	13000	1200000
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	4000	530000	16000	2200000
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	4000	36000	24000	210000

Client Sample ID: VP-4-10-170613

Lab ID#: 1706342C-11B

No Detections Were Found.

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Client Sample ID: VP-3-5-170613

Lab ID#: 1706342C-01A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p061924a**	**Date of Collection: 6/13/17 9:18:00 AM**	
Dil. Factor:	**2.28**	**Date of Analysis: 6/19/17 11:54 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	74	Not Detected
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	23	Not Detected	93	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

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Client Sample ID: VP-3-5-170613

Lab ID#: 1706342C-01B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p061924c**	**Date of Collection: 6/13/17 9:18:00 AM**	
Dil. Factor:	**2.28**	**Date of Analysis: 6/19/17 11:54 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	120	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: VP-3-7.5-170613

Lab ID#: 1706342C-02A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p061925a**	**Date of Collection: 6/13/17 9:34:00 AM**	
Dil. Factor:	**2.38**	**Date of Analysis: 6/20/17 12:21 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	24	Not Detected	77	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	160	Not Detected

Container Type: 1 Liter Summa Canister

eurofins | Air Toxics

Client Sample ID: VP-3-7.5-170613

Lab ID#: 1706342C-02B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p061925c**	**Date of Collection: 6/13/17 9:34:00 AM**	
Dil. Factor:	**2.38**	**Date of Analysis: 6/20/17 12:21 AM**	

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

eurofins | Air Toxics

Client Sample ID: VP-3-10-170613

Lab ID#: 1706342C-03A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p062016a**	**Date of Collection: 6/13/17 9:54:00 AM**	
Dil. Factor:	**23.6**	**Date of Analysis: 6/20/17 07:20 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	240	Not Detected	760	Not Detected
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	240	Not Detected	970	Not Detected
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	240	Not Detected	1400	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	240	Not Detected	1600	Not Detected

Container Type: 1 Liter Summa Canister

eurofins | Air Toxics

Client Sample ID: VP-3-10-170613

Lab ID#: 1706342C-03B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p062016c**	**Date of Collection: 6/13/17 9:54:00 AM**	
Dil. Factor:	**23.6**	**Date of Analysis: 6/20/17 07:20 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons	240	Not Detected	1200	Not Detected
>C10-C12 Aromatic Hydrocarbons	240	Not Detected	1300	Not Detected

Container Type: 1 Liter Summa Canister

eurofins | Air Toxics

Client Sample ID: VP-2-7.5-170613

Lab ID#: 1706342C-04A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p061926a**	**Date of Collection: 6/13/17 11:15:00 AM**	
Dil. Factor:	**2.32**	**Date of Analysis: 6/20/17 12:47 AM**	

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

eurofins | Air Toxics

Client Sample ID: VP-2-7.5-170613

Lab ID#: 1706342C-04B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p061926c**	**Date of Collection: 6/13/17 11:15:00 AM**	
Dil. Factor:	**2.32**	**Date of Analysis: 6/20/17 12:47 AM**	

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

eurofins | Air Toxics

Client Sample ID: VP-1-5-170613

Lab ID#: 1706342C-05A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p061927a**	**Date of Collection: 6/13/17 12:56:00 PM**	
Dil. Factor:	**2.58**	**Date of Analysis: 6/20/17 01:13 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	26	26	84	85
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	26	300	100	1200
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	26	Not Detected	150	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	26	54	180	370

Container Type: 1 Liter Summa Canister

eurofins | Air Toxics

Client Sample ID: VP-1-5-170613

Lab ID#: 1706342C-05B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p061927c**	**Date of Collection: 6/13/17 12:56:00 PM**	
Dil. Factor:	**2.58**	**Date of Analysis: 6/20/17 01:13 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons	26	Not Detected	130	Not Detected
>C10-C12 Aromatic Hydrocarbons	26	Not Detected	140	Not Detected

Container Type: 1 Liter Summa Canister

eurofins | Air Toxics

Client Sample ID: VP-1-7.5-170613

Lab ID#: 1706342C-06A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p061928a**	**Date of Collection: 6/13/17 1:18:00 PM**	
Dil. Factor:	**2.35**	**Date of Analysis: 6/20/17 01:40 AM**	

Compound	**Rpt. Limit (ppbv)**	**Amount (ppbv)**	**Rpt. Limit (ug/m3)**	**Amount (ug/m3)**
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	24	210	76	680
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	24	240	96	1000
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	24	Not Detected	140	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	24	24	160	170

Container Type: 1 Liter Summa Canister

eurofins | Air Toxics

Client Sample ID: VP-1-7.5-170613

Lab ID#: 1706342C-06B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p061928c**	**Date of Collection: 6/13/17 1:18:00 PM**	
Dil. Factor:	**2.35**	**Date of Analysis: 6/20/17 01:40 AM**	

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

eurofins | Air Toxics

Client Sample ID: VP-1-10-170613

Lab ID#: 1706342C-07A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p061929a**	**Date of Collection: 6/13/17 1:41:00 PM**	
Dil. Factor:	**2.34**	**Date of Analysis: 6/20/17 02:06 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	23	1000	76	3400
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	23	1700	96	7100
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	23	Not Detected	140	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	23	36	160	250

Container Type: 1 Liter Summa Canister

eurofins | Air Toxics

Client Sample ID: VP-1-10-170613

Lab ID#: 1706342C-07B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p061929c**	**Date of Collection: 6/13/17 1:41:00 PM**	
Dil. Factor:	**2.34**	**Date of Analysis: 6/20/17 02:06 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons	23	Not Detected	120	Not Detected
>C10-C12 Aromatic Hydrocarbons	23	Not Detected	130	Not Detected

Container Type: 1 Liter Summa Canister

eurofins | Air Toxics

Client Sample ID: Duplicate-1-170613

Lab ID#: 1706342C-08A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p062014a**	**Date of Collection: 6/13/17**	
Dil. Factor:	**2.59**	**Date of Analysis: 6/20/17 06:24 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	26	27	84	86
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	26	260	110	1100
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	26	51	150	300
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	26	62	180	430

Container Type: 1 Liter Summa Canister

eurofins | Air Toxics

Client Sample ID: Duplicate-1-170613

Lab ID#: 1706342C-08B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p062014c**	**Date of Collection: 6/13/17**	
Dil. Factor:	**2.59**	**Date of Analysis: 6/20/17 06:24 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons	26	Not Detected	130	Not Detected
>C10-C12 Aromatic Hydrocarbons	26	Not Detected	140	Not Detected

Container Type: 1 Liter Summa Canister

eurofins | Air Toxics

Client Sample ID: VP-4-5-170613

Lab ID#: 1706342C-09A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p062118a**	**Date of Collection: 6/13/17 2:26:00 PM**	
Dil. Factor:	**217**	**Date of Analysis: 6/21/17 07:48 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	2200	28000	7000	89000
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	2200	390000	8900	1600000
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	2200	32000	13000	180000
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	2200	Not Detected	15000	Not Detected

Container Type: 1 Liter Summa Canister

eurofins | Air Toxics

Client Sample ID: VP-4-5-170613

Lab ID#: 1706342C-09B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p062118c**	**Date of Collection: 6/13/17 2:26:00 PM**	
Dil. Factor:	**217**	**Date of Analysis: 6/21/17 07:48 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons	2200	Not Detected	11000	Not Detected
>C10-C12 Aromatic Hydrocarbons	2200	Not Detected	12000	Not Detected

Container Type: 1 Liter Summa Canister

eurofins | Air Toxics

Client Sample ID: VP-4-7.5-170613

Lab ID#: 1706342C-10A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p062015a**	**Date of Collection: 6/13/17 2:46:00 PM**	
Dil. Factor:	**33.4**	**Date of Analysis: 6/20/17 06:53 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	330	7200	1100	23000
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	330	44000	1400	180000
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	330	2300	1900	14000
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	330	420	2300	2900

Container Type: 1 Liter Summa Canister

eurofins | Air Toxics

Client Sample ID: VP-4-7.5-170613

Lab ID#: 1706342C-10B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p062015c**	**Date of Collection: 6/13/17 2:46:00 PM**	
Dil. Factor:	**33.4**	**Date of Analysis: 6/20/17 06:53 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons	330	Not Detected	1600	Not Detected
>C10-C12 Aromatic Hydrocarbons	330	Not Detected	1800	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: VP-4-10-170613

Lab ID#: 1706342C-11A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p062025a**	**Date of Collection: 6/13/17 3:04:00 PM**	
Dil. Factor:	**405**	**Date of Analysis: 6/21/17 01:13 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	4000	370000	13000	1200000
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	4000	530000	16000	2200000
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	4000	36000	24000	210000
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	4000	Not Detected	28000	Not Detected

Container Type: 1 Liter Summa Canister

eurofins | Air Toxics

Client Sample ID: VP-4-10-170613

Lab ID#: 1706342C-11B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p062025c**	**Date of Collection: 6/13/17 3:04:00 PM**	
Dil. Factor:	**405**	**Date of Analysis: 6/21/17 01:13 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons	4000	Not Detected	20000	Not Detected
>C10-C12 Aromatic Hydrocarbons	4000	Not Detected	22000	Not Detected

Container Type: 1 Liter Summa Canister

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1706342C-12A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p061907a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/19/17 01:09 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	10	Not Detected	32	Not Detected
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	10	Not Detected	41	Not Detected
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	10	Not Detected	58	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	10	Not Detected	70	Not Detected

Container Type: NA - Not Applicable

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Client Sample ID: Lab Blank

Lab ID#: 1706342C-12B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p061907c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/19/17 01:09 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons	10	Not Detected	49	Not Detected
>C10-C12 Aromatic Hydrocarbons	10	Not Detected	55	Not Detected

Container Type: NA - Not Applicable

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Client Sample ID: Lab Blank

Lab ID#: 1706342C-12C

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p062007a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/20/17 12:34 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	10	Not Detected	32	Not Detected
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	10	Not Detected	41	Not Detected
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	10	Not Detected	58	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	10	Not Detected	70	Not Detected

Container Type: NA - Not Applicable

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Client Sample ID: Lab Blank

Lab ID#: 1706342C-12D

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p062007c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/20/17 12:34 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons	10	Not Detected	49	Not Detected
>C10-C12 Aromatic Hydrocarbons	10	Not Detected	55	Not Detected

Container Type: NA - Not Applicable

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Client Sample ID: Lab Blank

Lab ID#: 1706342C-12E

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p062109a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/21/17 03:02 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	10	Not Detected	32	Not Detected
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	10	Not Detected	41	Not Detected
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	10	Not Detected	58	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	10	Not Detected	70	Not Detected

Container Type: NA - Not Applicable

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Client Sample ID: Lab Blank

Lab ID#: 1706342C-12F

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p062109c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/21/17 03:02 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons	10	Not Detected	49	Not Detected
>C10-C12 Aromatic Hydrocarbons	10	Not Detected	55	Not Detected

Container Type: NA - Not Applicable

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Client Sample ID: CCV

Lab ID#: 1706342C-13A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p061905a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/19/17 10:49 AM**	

Compound	%Recovery
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	94
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	102
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	110
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	111

Container Type: NA - Not Applicable

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Client Sample ID: CCV

Lab ID#: 1706342C-13B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p061905c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/19/17 10:49 AM**	

Compound	%Recovery
>C8-C10 Aromatic Hydrocarbons	106
>C10-C12 Aromatic Hydrocarbons	108

Container Type: NA - Not Applicable

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Client Sample ID: CCV

Lab ID#: 1706342C-13C

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p062005a**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 6/20/17 11:11 AM**

Compound	%Recovery
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	92
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	100
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	109
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	116

Container Type: NA - Not Applicable

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Client Sample ID: CCV

Lab ID#: 1706342C-13D

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p062005c**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 6/20/17 11:11 AM**

Compound	%Recovery
>C8-C10 Aromatic Hydrocarbons	104
>C10-C12 Aromatic Hydrocarbons	109

Container Type: NA - Not Applicable

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Client Sample ID: CCV

Lab ID#: 1706342C-13E

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p062105a**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 6/21/17 11:31 AM**

Compound	%Recovery
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	91
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	100
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	113
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	124

Container Type: NA - Not Applicable

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Client Sample ID: CCV

Lab ID#: 1706342C-13F

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**p062105c**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 6/21/17 11:31 AM**

Compound	%Recovery
>C8-C10 Aromatic Hydrocarbons	107
>C10-C12 Aromatic Hydrocarbons	118

Container Type: NA - Not Applicable

Air Toxics LTD.

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
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Project Manager: Kiersten Hoey
Collected by: (Print and Sign) Kess Hudwall
Company: GHD Email: Kiersten.Hoey@GHD.com
Address: 590 Hollis, Ste A City: Emeryville State: CA Zip: 94608
Phone: 510-420-3342 Fax:

Project Info:
P.O. #
Project #: 311806
Project Name: Chevron 93322

Turn Around Time: ☒ Normal ☐ Rush (specify)

Lab Use Only — Pressurized by: Date: Pressurization Gas: N2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested (All Samples)	Initial	Final	Receipt	Final (psi)
01A	VP-3-5-170613	37605	6/13/17	0918	TPHg, BTEX, MTBE	-29	-4		
02A	VP-3-7.5-170613	37731		0934	and Napthalene	-30	-4		
03A	VP-3-10-170613	37793		0954	by TO-15	-29	-4		
04A	VP-2-7.5-170613	1125912		1115	AND	-29	-4		
05A	VP-1-5-170613	1128S1		1256	O2, CO2, N2, CH4	-28	-4		
06A	VP-1-7.5-170613	1127S4		1318	and Helium by	-25	-4		
07A	VP-1-10-170613	1125S32		1341	ASTM D-1946	-30	-4		
08A	Duplicate-1-170613	112759		—	APH(SP) Aromatics C8-C12	-28	-4		
09A	VP-4-5-170613	40948		1426	and APH(SP) Aliphatics	-30	-4		
10A	VP-4-7.5-170613	2851	↓	1446	C5-C12 by TO-15	-28	-4		

Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time	Notes:
[signature] 6/16/17 11:53	[signature] 6-16-17 1153	
Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time	
Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time	

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Courier		NA	Good	Yes No (None)	1706342

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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

Project Manager Kiersten Hoey
Collected by: (Print and Sign) Kiss Hoey
Company GHD Email Kiersten.Hoey@GHD.com
Address 3161 Hollis, Ste A City Emeryville State CA Zip 94608
Phone 510-420-3342 Fax

Project Info:
P.O. #
Project # 31800
Project Name Chevron 93322

Turn Around Time:
☒ Normal
☐ Rush
specify

Lab Use Only
Pressurized by
Date
Pressurization Gas: N2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psig)
01	VP-4-10-170613	3457O	6/13/17	1504	TPHg, BTEX, MTBE and Naphthalene by TO-15	-29	-4		
					O_2, CO_2, N_2, CH_4 and Helium by ASTM D-1946				
					APH(ep) Aromatics C8-C12 and APH(sp) Aliphatics C8-C12 by TO-15				

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	Notes:
	6/16/17 11:53		6-16-17 1153	
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	

Lab Use Only	Shipper Name	Air Bill #	Temp (C)	Condition	Custody Seals Intact?	Work Order #
	Courier		NA	Good	Yes No None	17061342

Form 1295 rev 1