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

RECEIVED

By Alameda County Environmental Health 11:12 am, Oct 04, 2016

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

I have reviewed the attached report titled *Response to Regulatory Letter*.

I agree with the conclusions and recommendations presented in the referenced report. The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by GHD Services Inc, upon whose assistance and advice I have relied.

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

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

Sincerely,

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

Mark Horne
Project Manager

Attachment: *Response to Regulatory Letter*



October 3, 2016

Reference No. 311977

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

**Re: Response to July 26, 2016 Regulatory Letter
Chevron Service Station 90076
4265 Foothill Boulevard
Oakland, California
Fuel Leak Case No. RO0000427**

Dear Mr. Detterman:

GHD Services Inc. (GHD) is submitting this Response to July 26, 2016 Regulatory Letter for the site referenced above (Figures 1 and 2) on behalf of Chevron Environmental Management Company (Chevron). In a July 26, 2016 letter, Alameda County Environmental Health (ACEH) requested Chevron address several technical comments (Attachment A). ACEH's comments are reproduced below in italics, followed by GHD's responses.

1. Technical Comment Response

LTCP Media Specific Criteria for Groundwater

Length of Groundwater Plume – *The length of the shallow groundwater plume has not been defined by the existing offsite downgradient monitoring well network that monitor one of two groundwater bearing zones in the site vicinity. Contaminant concentrations in downgradient groundwater well C-11, the furthest downgradient well monitoring the shallow groundwater zone remain above water quality objectives. The shallow water-bearing zone has also not been defined laterally to the north or south of well C-11. This appears to be an important step due to multiple basements in the vicinity.*

Downgradient groundwater wells C-7 and C-9 monitor a deeper groundwater bearing zone; these wells appear to define the length of the deeper groundwater bearing zone.

Therefore as an initial step, it appears reasonable to request the generation of an additional line of evidence to estimate the plume length of the shallow water-bearing zone. This is requested to be done using Table 1 of the LTCP technical justification paper entitled Technical Justification for Groundwater Media-Specific Criteria (April 2012) and plotting the maximum plume length for methyl tert butyl ether (MTBE). This is requested to be combined with an evaluation of the potential for sensitive receptors, including dewater structures such as basements with sumps to be present within the estimated plume length.



It also appears reasonable to attempt to define the lateral extent of the shallow groundwater hydrocarbon plume in order to determine the potential for vapor intrusion in to the three residential basements that may be within the downgradient groundwater plume.

As illustrated in the well construction Table 1, wells C-6 through C-9 are screened in a deeper zone within the shallow aquifer. Therefore, beginning in 2013, these wells were not included in the groundwater flow calculations. A rose diagram depicting the groundwater flow from 2013 through 2016 is included on Figure 2. Groundwater flow fluctuated between northwest and southwest, which is consistent with data from the Former BP Station #11109 located across Foothill Boulevard (Geotracker No. T0600100217) and the Former Shell #13-5686 (Geotracker No. T0600101065) located across High Street.

Well C-6 and boring C-12 define hydrocarbons laterally to the north of C-11 along Bond Street. In February 2015, boring C-12 was advanced with the intention of installing a shallow screened monitoring well; however, no groundwater was encountered down to 30 feet below grade (fbg), therefore no well was installed and the boring was backfilled. No hydrocarbons were detected in soil samples collected between 3 and 30 fbg from C-12. Additionally, no dissolved benzene, toluene, ethylbenzene, and xylenes (BTEX) has been detected in well C-6 since 2014 and total petroleum hydrocarbon as gasoline (TPHg) concentrations have fluctuated, between the reporting limit (< 50 micrograms per liter ($\mu\text{g/L}$)) and 180 mg/L, since 2014. It does not appear prudent to install a shallow well south of C-11 along Bond Street as this location would be directly downgradient of a former Shell Station and would therefore likely monitor dissolved hydrocarbons migrating from the former Shell site (Geotracker No. T0600101065). TPHg, benzene, and methyl tertiary butyl ether (MTBE) concentrations in groundwater are illustrated on Figures 3, 4, and 5.

Wells C-6 through C-9 are screened deeper than other site wells. Groundwater data from wells C-8 and C-9 vertically define dissolved hydrocarbons downgradient of the site. Geologic cross sections are included as Figures 6 and 7. Well construction details are included as Table 1 and historical groundwater monitoring and sampling data are included as Table 2.

The extent of dissolved MTBE is laterally defined by wells C-5 (west), C-10 (east), and C-11 (south) and vertically defined downgradient by wells C-6 through C-9 (Figure 5 and Table 2). The estimated plume lengths for TPHg and benzene using Table 1 of the technical justification paper are included as Figures 8 and 9.

Based on the lack of hydrocarbons in soil from boring C-12 and no dissolved BTEX detected in well C-6 since 2014, both located between the site and the building at 1715 High Street (Figure 2), there does not appear to be an exposure risk to the occupants of the apartment building. No potential receptors are located south of the site and well C-11; only a large parking lot and a building without a basement, housing a supermarket.



- a. **Water Supply Wells** – *The report states that a water supply well survey was conducted in 2015 by GHD using Department of Water Resources (DWR) and Alameda County Public Works Agency (ACPWA) databases. ACEH has not been able to locate the survey in either the ACEH or Geotracker databases. Please forward a copy of the report in order for the public record to be complete.*

The 2015 water supply well survey conducted by GHD was reported in GHD's June 3, 2016 Site Assessment Report and Updated Focused Site Conceptual Model. In 2015, GHD contacted DWR and ACPWA regarding wells within 2,000 feet of the site. Sixty-two wells were identified in the search area. Of these, one was a cathodic protection well; one was identified as an irrigation well, and one of unknown use and location. Of the remaining wells, 51 were identified as monitoring wells, 3 as test wells, 2 as soil vapor probes, 2 as borings, and 1 as an observation well. The irrigation well was reportedly located approximately 1,600 feet west-northwest of the site (crossgradient). No domestic or municipal water supply wells were identified within the search area. A water supply well table is included as Table 3 and the water supply well location map is included as Figure 10.

- b. **Concentration Stability** – *Dissolved phase concentrations in wells C--2 and C--4 fluctuate annually between March and September. Concentrations are highest in March when depth of groundwater measurements indicates groundwater is the shallowest. This indicates shallow residual soil contamination is present at the site. Concentrations of TPHg have recently ranged between 6,100 and 14,000 micrograms per liter (mg/L) and concentrations of benzene have ranged between 490 and 910 mg/L in wells C-2 and C-4, downgradient of the shallow residual soil sources that may be related to product line releases.*

Dissolved TPHg and benzene concentrations in wells C-2 and C-4 fluctuate with groundwater depth fluctuations; however, concentrations are decreasing overall. TPHg concentrations are currently three orders of magnitude lower than historical high concentrations in C-2 and one order of magnitude lower in C-4. Benzene concentrations are currently two orders of magnitude lower than the historical high concentrations in both wells. Table 1.1 below summarizes the historical maximum and current concentrations in wells C-2 and C-4. Historical groundwater monitoring and sampling data are included in Table 2. Trend graphs illustrating the downward trends are included in Attachment B.



Table 1.1 Summary of Degradation Calculations – C-2 and C-4

Well	Analyte	Maximum Concentration	Current Concentration	Date to Reach Water Quality Objective
C-2	TPHg	1,100,000	9,700	2054
	Benzene	30,000	540	2024
	MTBE	5,200	37	2020
C-4	TPHg	48,000	6,300	2110
	Benzene	14,000	910	2095
	MTBE	4,600	9	2019

GHD is not preparing a data gap work plan to address the ACEH items above. Alternatively, discussed below is justification as to why the site satisfies the LTCP media-specific criteria for groundwater

The Policy requires that water quality objectives (WQOs) will be attained through natural attenuation within a reasonable amount of time, the contaminant plume that exceeds WQOs is stable or decreasing in areal extent, and meets the additional characteristics of one of the five classes of sites listed in the Policy.

The five classes of sites are stated in the Policy as follows:

1. The contaminant plume that exceeds WQOs is less than 100 feet in length.
 - a. There is no free product.
 - b. The nearest existing water supply well and/or surface water body is greater than 250 feet from the defined plume boundary.
2. The contaminant plume that exceeds WQOs is less than 250 feet in length.
 - a. There is no free product.
 - b. The nearest existing water supply well and/or surface water body is greater than 1,000 feet from the defined plume boundary.
 - c. The dissolved concentration of benzene is less than 3,000 µg/l and the dissolved concentration of MTBE is less than 1,000 µg/l.
3. The contaminant plume that exceeds WQOs is less than 250 feet in length.
 - a. Free product may be present below the site but does not extend off-site.
 - b. The plume has been stable or decreasing for a minimum of 5 years.
 - c. The nearest existing water supply well and/or surface water body is greater than 1,000 feet from the defined plume boundary.
 - d. The property owner is willing to accept a deed restriction if the regulatory agency requires a deed restriction as a condition of closure.



4. The contaminant plume that exceeds WQOs is less than 1,000 feet in length.
 - a. There is no free product.
 - b. The nearest existing water supply well and/or surface water body is greater than 1,000 feet from the defined plume boundary.
 - c. The dissolved concentration of benzene is less than 1,000 $\mu\text{g/l}$ and the dissolved concentration of MTBE is less than 1,000 $\mu\text{g/l}$.
5. An analysis of site specific conditions determines that the site under current and reasonable anticipated near-term future scenarios poses a low threat to human health and safety and to the environment and water quality objectives will be achieved within a reasonable time frame.

The site satisfies Class 4 criteria as follows:

- The dissolved hydrocarbon plume that exceeds WQOs is less 1,000 feet in length from the source area (former dispenser islands near C-A and C-2) (Figures 3, 4, and 5). Downgradient well C-11 is approximately 300 feet from the source area.
- No LNAPL has been observed in any monitoring wells.
- The nearest identified well is an irrigation well approximately 1,600 feet west-northwest of the site (Figure 10).
- The nearest surface water bodies are a remaining day-lighted portion of Courtland Creek approximately 1,500 feet to the northeast and a remaining day-lighted portion of Peralta Creek approximately 3,700 feet northwest and a tidal canal that feeds into the San Leandro Bay is approximately 1 mile southwest of the site.
- Dissolved benzene and MTBE concentrations are below the 1,000 mg/L threshold requirement. During the first quarter 2016 sampling event the highest benzene concentrations detected was 910 mg/L and the highest MTBE concentration was 290 mg/L (Figures 4 and 5).

LTCP Media Specific Criteria for Vapor Intrusion and Indoor Air

Prior to proposing a data gap work plan for vapor intrusion to indoor air, GHD recommends obtaining information regarding the supposed basements beneath the apartment building at 1715 High Street, the residential building at 1718 High Street, the adjacent residential building at 1723 High Street, and the crawl space beneath the apartment building on the northwest side (4237 Foothill Boulevard) of the site (Figure 2). This information is essential to propose appropriate additional vapor intrusion assessment and potentially additional downgradient monitoring wells.

ACEH also raises concern about the methane percentage detected in vapor probe VP-5, located on the northwest side of the site adjacent to the apartment building with the crawl space (4237 Foothill Boulevard).



Proposed Regulatory Framework for Evaluating the Methane Hazard due to Vapor Intrusion, Bart Eklund, 2010 Air and Waste Management Association Conference is used as a reference for much of the below discussion.

Although methane (CH₄) concentrations were detected above the lower explosive limit (LEL) of 5%, CH₄ is not flammable directly within a typical soil matrix for several reasons; a) there is typically insufficient oxygen in soil where CH₄ is detected at or above the flammable range; b) soil matrix is not a confined space such as a confined underground space with little to no ventilation where CH₄ can accumulate and mix with oxygen to start a fire with an ignition source; and c) soil has pore space diameters that are smaller than what is called a quenching distance and therefore a flame cannot propagate - for soils, the minimum quenching distance is documented to be 1.14 mm for CH₄. That means for CH₄ to start and sustain a fire in the soil, the soils have to be very permeable to have a pore diameter of at least 1.14 mm. This scenario is unlikely given the top 10 feet below the surface consists primarily of fine grained silts and clays (Figures 6 and 7).

The primary concern with CH₄ is its flammability in air (that is, in buildings and other confined spaces). CH₄ in soil gas is of concern only if it migrates into enclosed spaces and mixes with oxygen to form a mixture within or above the flammable range 5-15%. As mentioned above, CH₄ is not flammable within a typical soil matrix.

Migration of CH₄ from soil gas into buildings can occur through two mechanisms: advection and diffusion. Advection transport has been associated with CH₄ incidents (e.g., fire or explosion), whereas no examples are known for CH₄ incidents resulting from diffusive transport alone. Diffusion also occurs but at rates too low to result in unacceptable indoor air concentrations under reasonably likely scenarios. Therefore, diffusion is not considered a key transport mechanism when evaluating CH₄ hazard.

Buildings typically have an air exchange rate of 0.5-1 times/hour (i.e. the building air is refreshed by mixing with outdoor air 12-24 times a day) and so a relatively high rate of CH₄ vapor intrusion is necessary for the indoor atmosphere to approach the lower flammability limit for CH₄ of 5%. So, a large advective flow from subsurface to indoor air is necessary to potentially raise the CH₄ level in indoor air to the flammability range for CH₄.

In general, the greater the area of soil gas with an elevated methane percentage, the greater the potential for vapor intrusion of methane to be an issue. A single, isolated spot of 5-8% (VP-5) of CH₄ is unlikely to result in an indoor issue because there is not a great enough volume of CH₄ gas to be transported by advection into the crawl space to counteract ventilation under normal building conditions, which is the case for the crawl space beneath the subject building. Vapor probe VP-6, also located adjacent to the apartment building, contained a maximum of 0.0035 % CH₄. Given the condition of the subject building with a ventilated crawl space, it is unlikely that pressure differential or the volume of CH₄ flow will be large enough to cause CH₄ in indoor air within the flammable range.



LTCP Media Specific Criteria for Direct Contact and Outdoor Air Criteria

Our review of the case files indicates that insufficient data collection and analysis has been presented to satisfy the media-specific criteria for direct contact and outdoor air exposure. Specifically, elevated residual concentrations of benzene which do not meet the LTCP criteria for commercial or utility worker direct contact exposure appear to remain in the vicinity of well C-2. Ethylbenzene and naphthalene were not included in the soil analysis at that time. While ACEH recognizes the data is older and may ultimately meet the criteria, confirmation samples have not been collected to verify this presumption.

In 1987, the soil sample collected at 9 fbg during the installation of well C-2 contained 16 mg/kg benzene which exceeds the LTCP criteria for commercial and utility worker exposure. Ethylbenzene and naphthalene were not analyzed. While confirmation samples were not collected at the same location as existing C-2 in 2015, soil borings B-1 through B-4 were advanced at the locations of the two former dispenser islands (source area) immediately upgradient of C-2. Soil samples were collected at 3, 8, and 10 fbg from each boring, for a total of 12 samples. The highest concentrations detected in the samples were 0.24 mg/kg benzene, 5.1 mg/kg ethylbenzene, and 5.1 mg/kg naphthalene. These concentrations are below the residential, commercial, and utility worker scenarios for direct contact and outdoor air. Because these concentrations were detected in the source area upgradient of well C-2, it can be assumed 28 years later, hydrocarbon concentrations in soil in the area of C-2 are now in the same order of magnitude as those detected in the source area since removal of the dispenser islands and product lines in the 1980s.

Additionally, 44 soil samples have been collected across the site between 0 and 10 fbg. Of these samples only 2 exceed the LTCP criteria for commercial and utility workers; 33 mg/kg benzene from C-A at 8.5 fbg and 16 mg/kg benzene from C-2 at 9 fbg, collected in 1987. However, the 95 percent upper confidence level of 2.9 mg/kg for the sample group is below the commercial LTCP criteria. No ethylbenzene or naphthalene concentrations exceed the residential or commercial LTCP criteria. Cumulative soil data table is included as Table 4.

Based on the above justification, the site satisfies the LTCP media-specific criteria for direct contact and outdoor air exposure, and therefore no data gap work plan has been prepared.

Groundwater Monitoring

Groundwater monitoring of offsite wells C-7 and C-9 has not been conducted since September 2014 due to the lack of an access agreement with the offsite property owners. ACEH request that an access agreement be initiated with the property owner in order to monitor the wells a minimum of one time before closure, and for the purpose if well destruction prior to closure.

Chevron and GHD have been working to obtain access to the offsite property where wells C-7 and C-9 are located. Below is a timeline of the attempts to date.



- 8.6.2014: AA package mailed to property owner.
- 9-8-2014: 2nd AA package mailed to property owner.
- 10.1.2014: No response from property owner.
- 10.30.2014: GHD calls and leaves message for property owner Michael Mugel.
- 11.6.2014: Receive email from property owner representative requesting additional information - further define work, term of agreement, regular reports sent, add Red Mountain Group as additional insured on insurance.
- 12.15.2014: Submitted additional insured along with semi-annual reports and copy of access agreement package.
- 1.7.2015: GHD sends response to Red Mountain Group.
- 2.18.2015: GHD to replies to Red Mountain Group's email.
- 8.17.2015: No response from property owner regarding agreement.
- 9.2.2015: GHD emails property owner.
- 4.27.2016: Property owner sent email stating that document is with attorney for review.
- 7.22.2016: GHD to follow up with attorney; no response from owner to date.

Data Gap Investigation Work Plan and Focused Site Conceptual Model

GHD submitted a focused site conceptual model on June 3, 2016 following the February 2016 soil boring and well installation. Prior to completing an additional Focused Site Conceptual Model with a Data Gap Investigation Work Plan, GHD recommends obtaining information regarding the supposed basements beneath the apartment building at 1715 High Street, the residential building at 1718 High Street, and the residential building at 1723 High Street, and the crawl space beneath the apartment building at 4237 Foothill Boulevard on the northwest side of the site. Information on these basements, possible sumps, and the crawl space are crucial to fully understand the potential exposure scenarios and therefore propose appropriate additional assessments.

2. Closing

GHD will proceed with contacting the property owners of the 1715 High Street, 171 High Street, 1723 High Street, and 4237 Foothill Boulevard to obtain information on the basements and crawl space constructions and possible sumps. GHD and Chevron will also continue to work with the offsite property owner to obtain access for sampling, and eventually destroying wells C-7 and C-9.

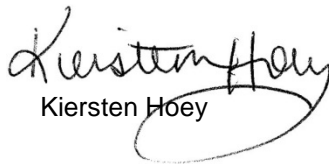


GHD will keep ACEH updated on the status of obtaining the basement and crawl space constructions. Once the required information is received, GHD will complete and submit a Data Gap Work Plan and Focused Site Conceptual Model.

Please contact Kiersten Hoey at (510) 420-3347 if you have any questions or require additional information.

Cordially,

GHD


Kiersten Hoey



Brandon S. Wilken, PG



KH/lg/26
Encl.

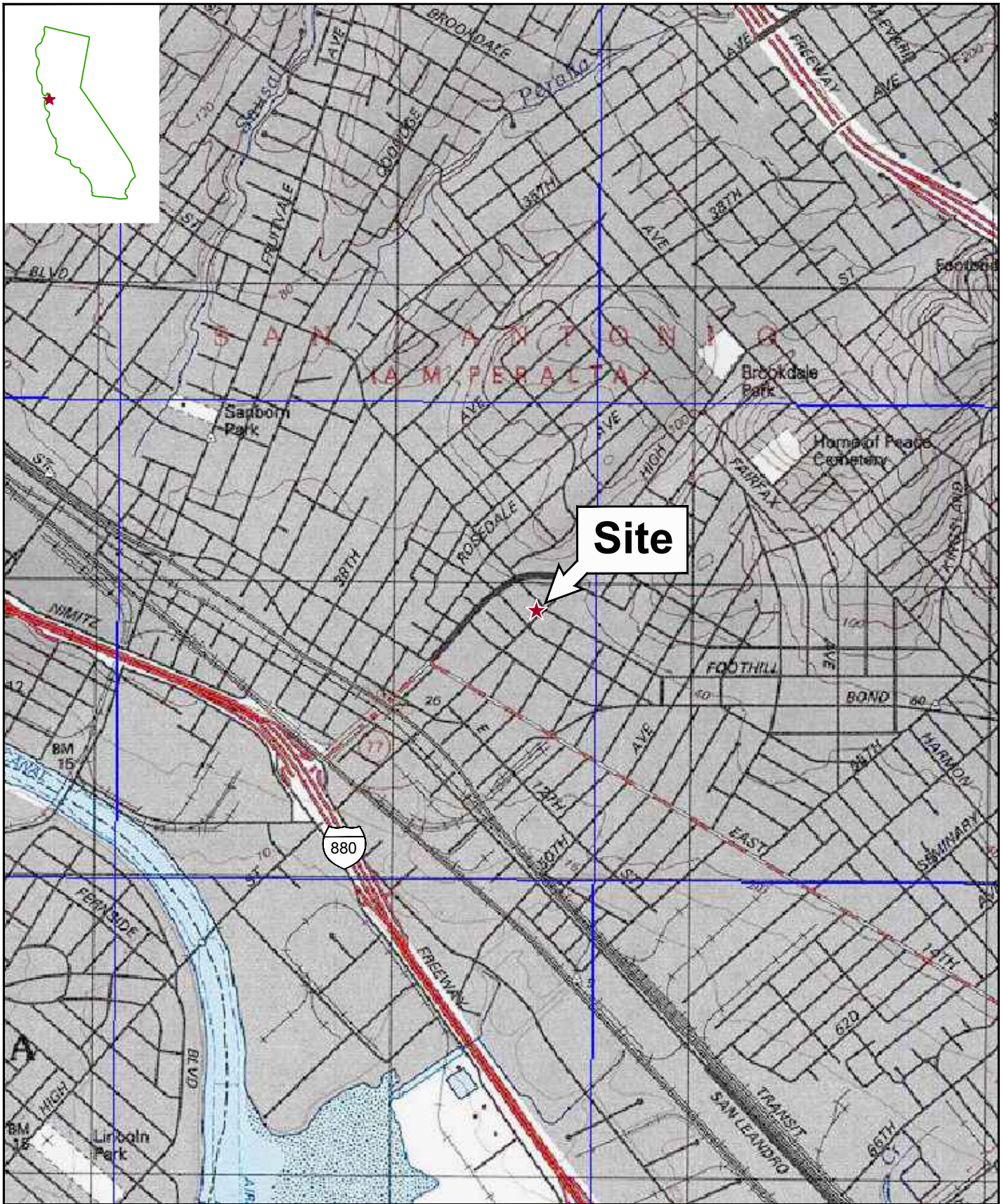
- Figure 1 Vicinity Map
- Figure 2 Site Plan
- Figure 3 TPHg Concentrations in Groundwater – March 8, 2016
- Figure 4 Benzene Concentrations in Groundwater – March 8, 2016
- Figure 5 MTBE Concentrations in Groundwater – March 8, 2016
- Figure 6 Geologic Cross-Section A-A'
- Figure 7 Geologic Cross-Section B-B'
- Figure 8 Potential Receptors and TPHg Groundwater Plume
- Figure 9 Potential Receptors and Benzene Groundwater Plume
- Figure 10 Water Supply Well Location Map

- Table 1 Well Construction Details
- Table 2 Groundwater Monitoring and Sampling Data
- Table 3 Water Supply Wells
- Table 4 Cumulative Soil Analytical Data

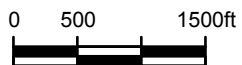
- Attachment A Regulatory Letter
- Attachment B Trend Graphs and Degradation Calculations

cc: Mr. Mark Horne, Chevron (*electronic copy*)

Figures



SOURCE: TOPO! MAPS

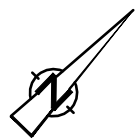
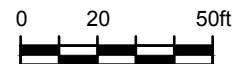


CHEVRON SERVICE STATION 90076
 4265 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA

311977-2016
 Aug 30, 2016

VICINITY MAP

Figure 1



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



CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

SITE PLAN

311977-2016

Sep 27, 2016

Figure 2

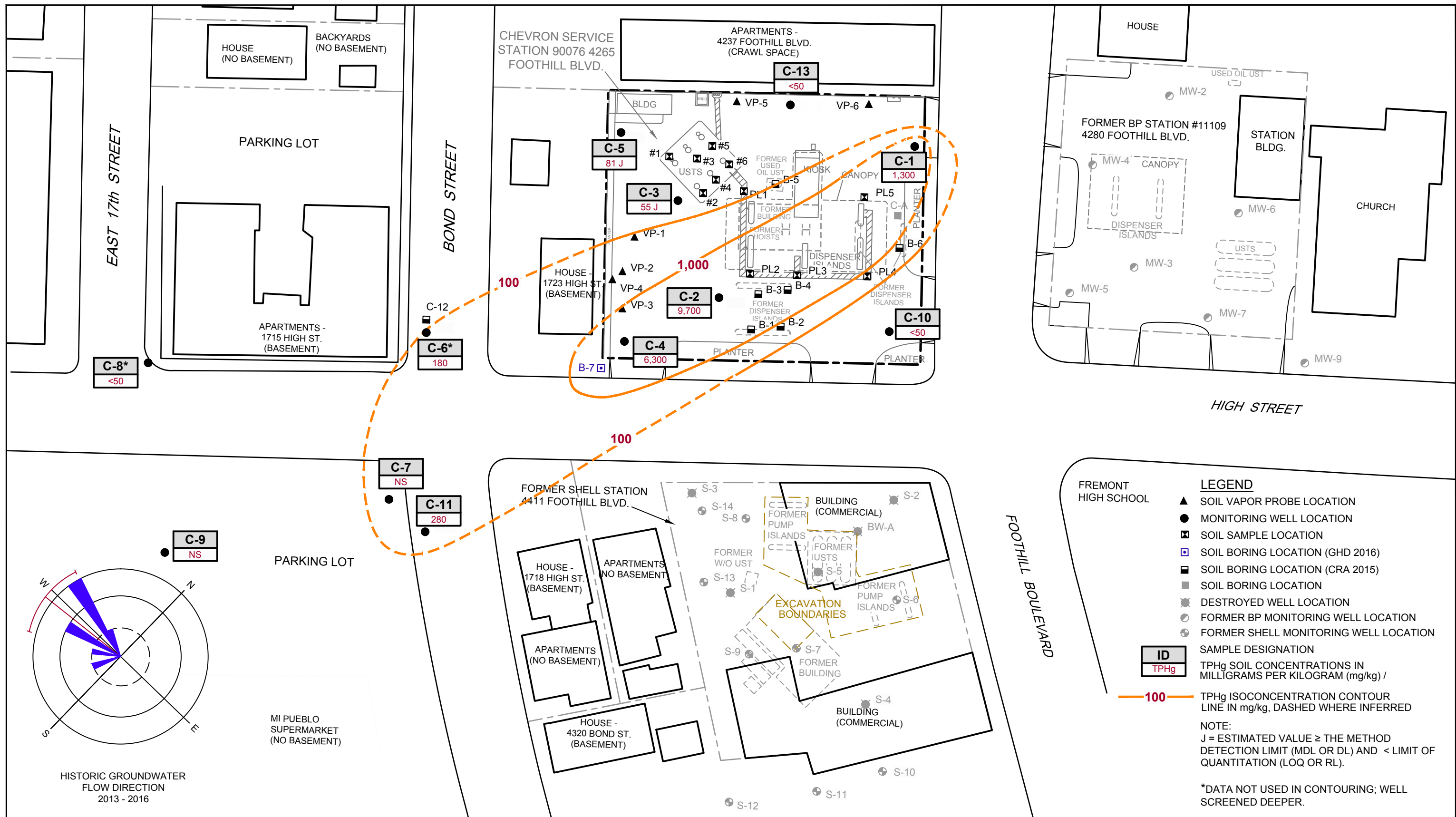
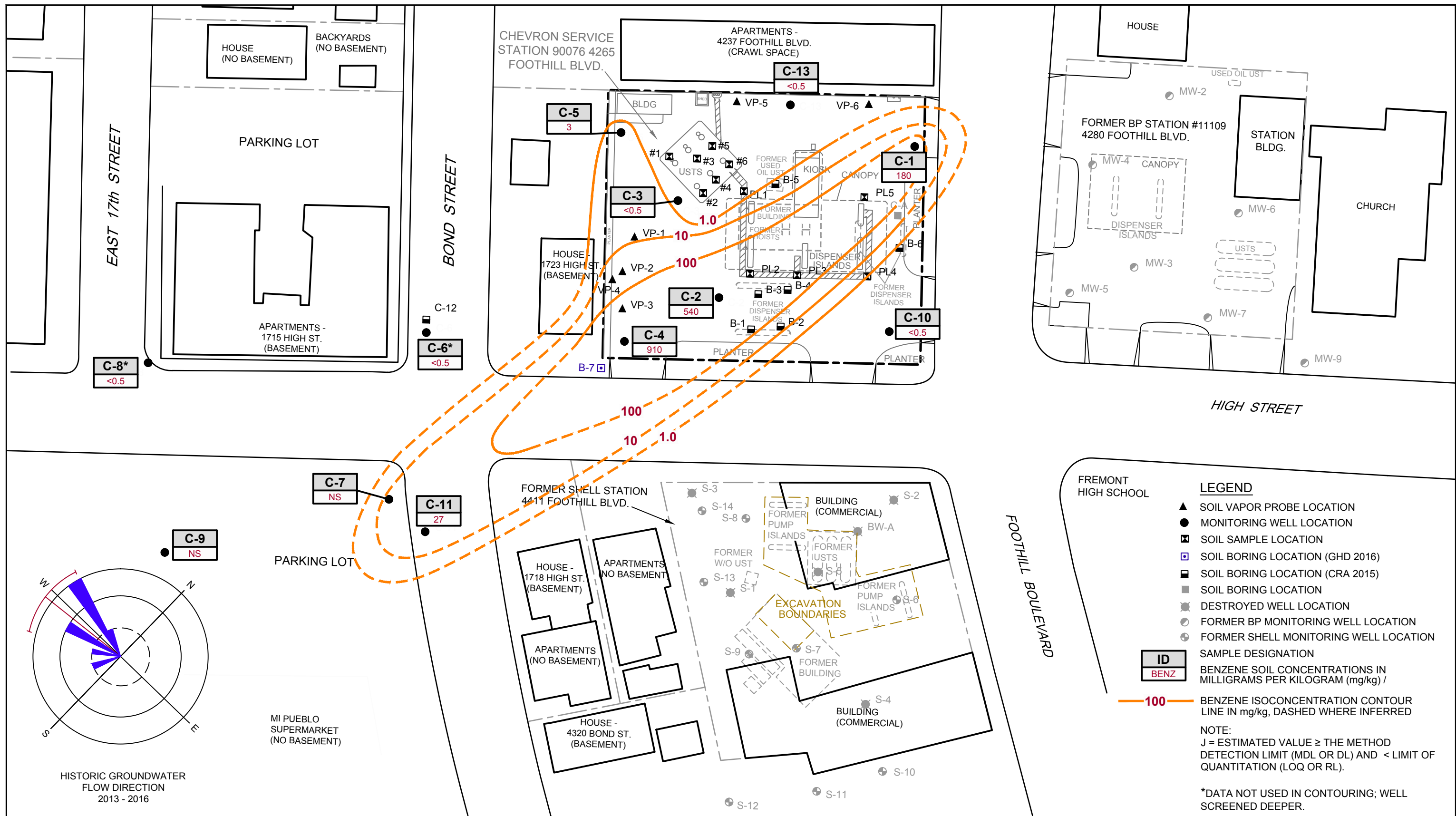
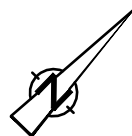


Figure 3



0 20 50ft



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



CHEVRON SERVICE STATION 90076
 4265 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA
BENZENE CONCENTRATION IN GROUNDWATER
 MARCH 8, 2016

311977-2016

Sep 27, 2016

Figure 4



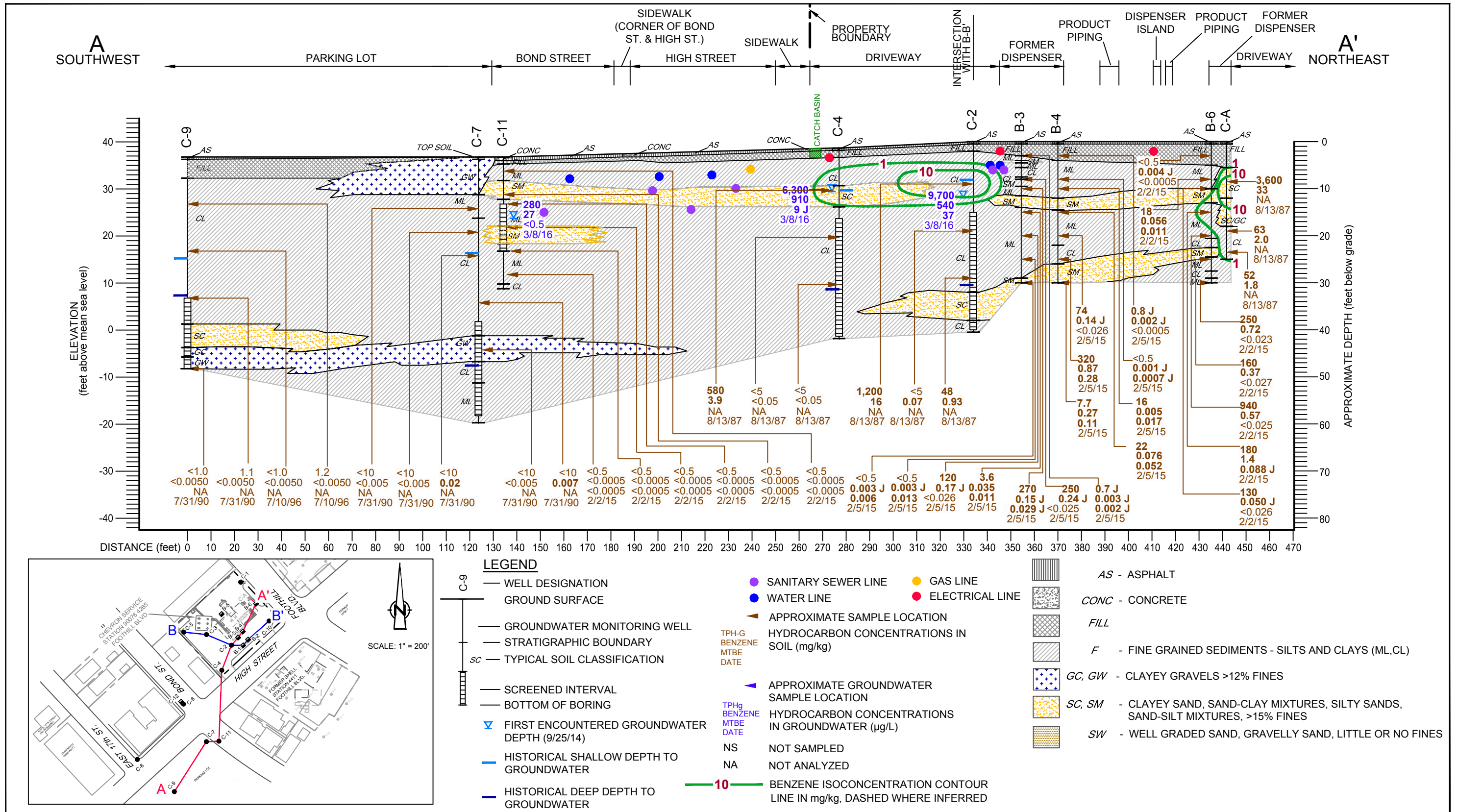
SOURCE: MORROW SURVEYING .DWG DRAWING DATED MARCH, 2015 FOR CRA. SURVEYED DATE 2/25/15. COORDINATES BASED ON CA STATE PLANE ZONE 3. COORDINATES FROM GPS OBSERVATIONS USING CSDS VIRTUAL SURVEY NETWORK. COORDINATE DATUM IS NAD 83.
NOTE: BASEMENT PRESENCE BASED ON FIELD OBSERVATIONS



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4265 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA
MTBE CONCENTRATION IN GROUNDWATER
MARCH 8, 2016

311977-2016
Sep 27, 2016

Figure 5



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

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

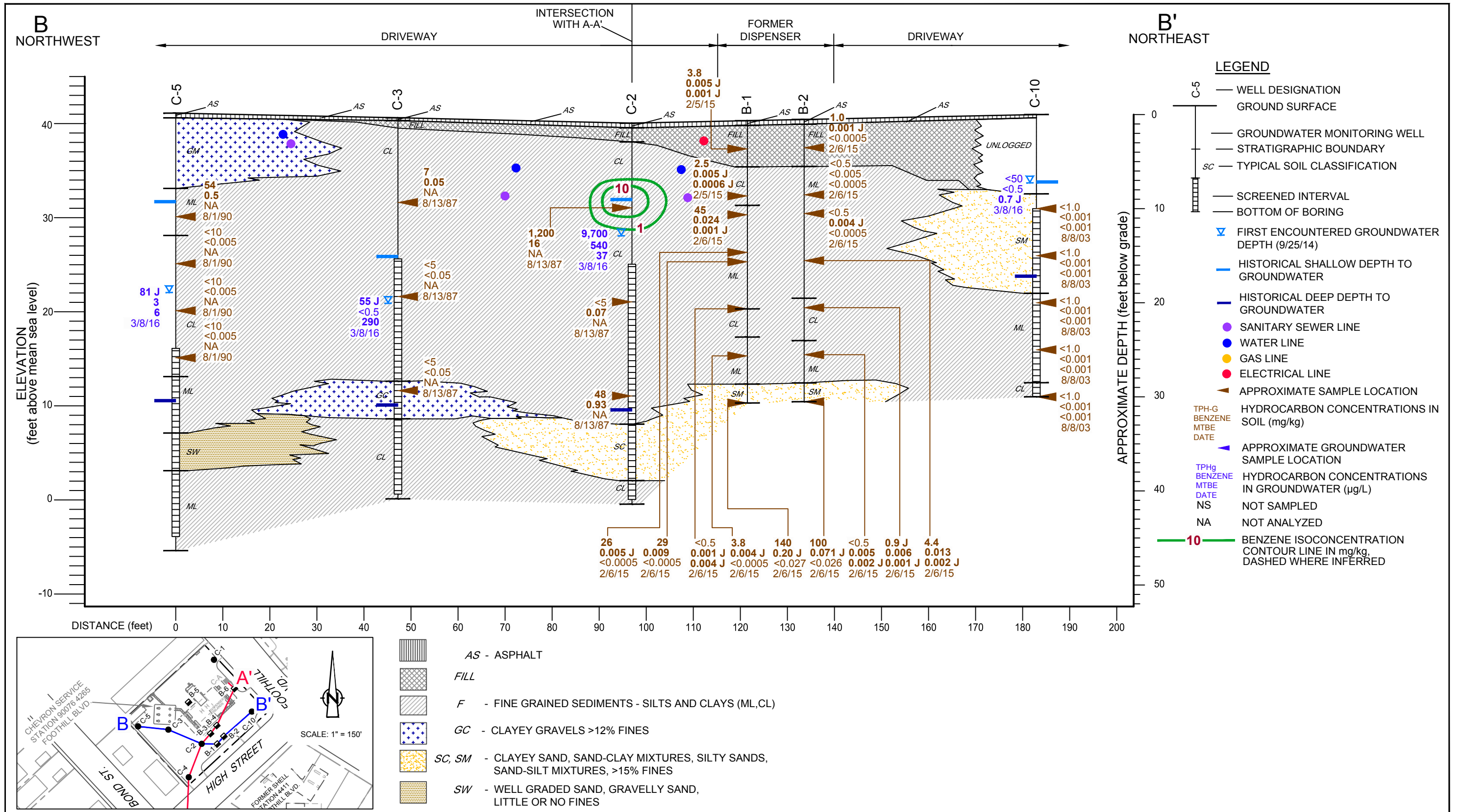


CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

GEOLOGIC CROSS SECTION A-A'

311977-2016
Sep 20, 2016

Figure 6



SCALE: HORZ. 1" = 20'
VERT. 1" = 10'

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

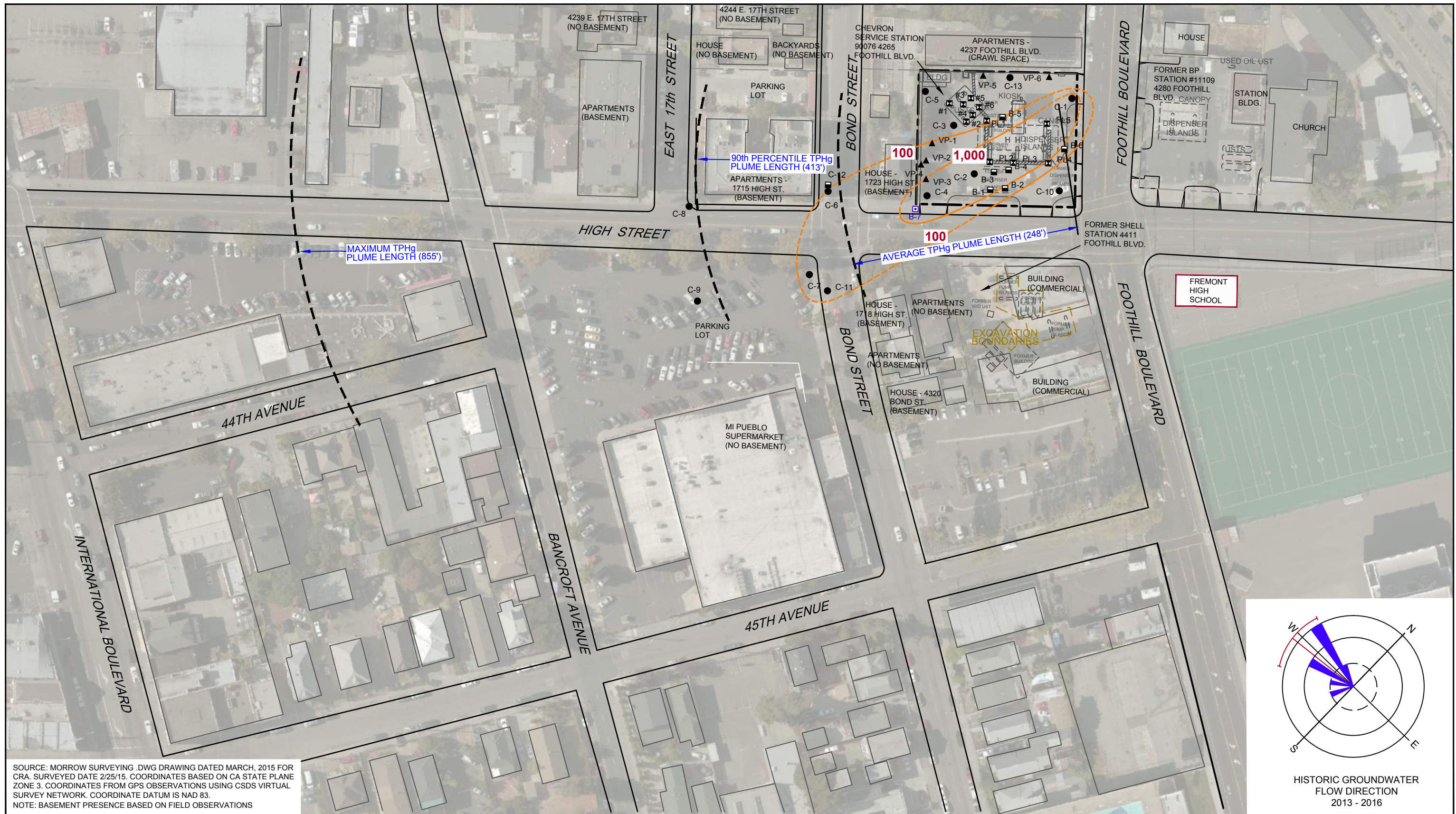


CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

GEOLOGIC CROSS SECTION B-B'

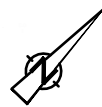
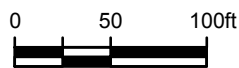
311977-2016
Sep 20, 2016

Figure 7



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

Source: Microsoft Product Screen Shot(s) Reprinted with permission from Microsoft Corporation, Acquisition Date Oct/2013 - Nov/2013, Accessed: 2016



LEGEND

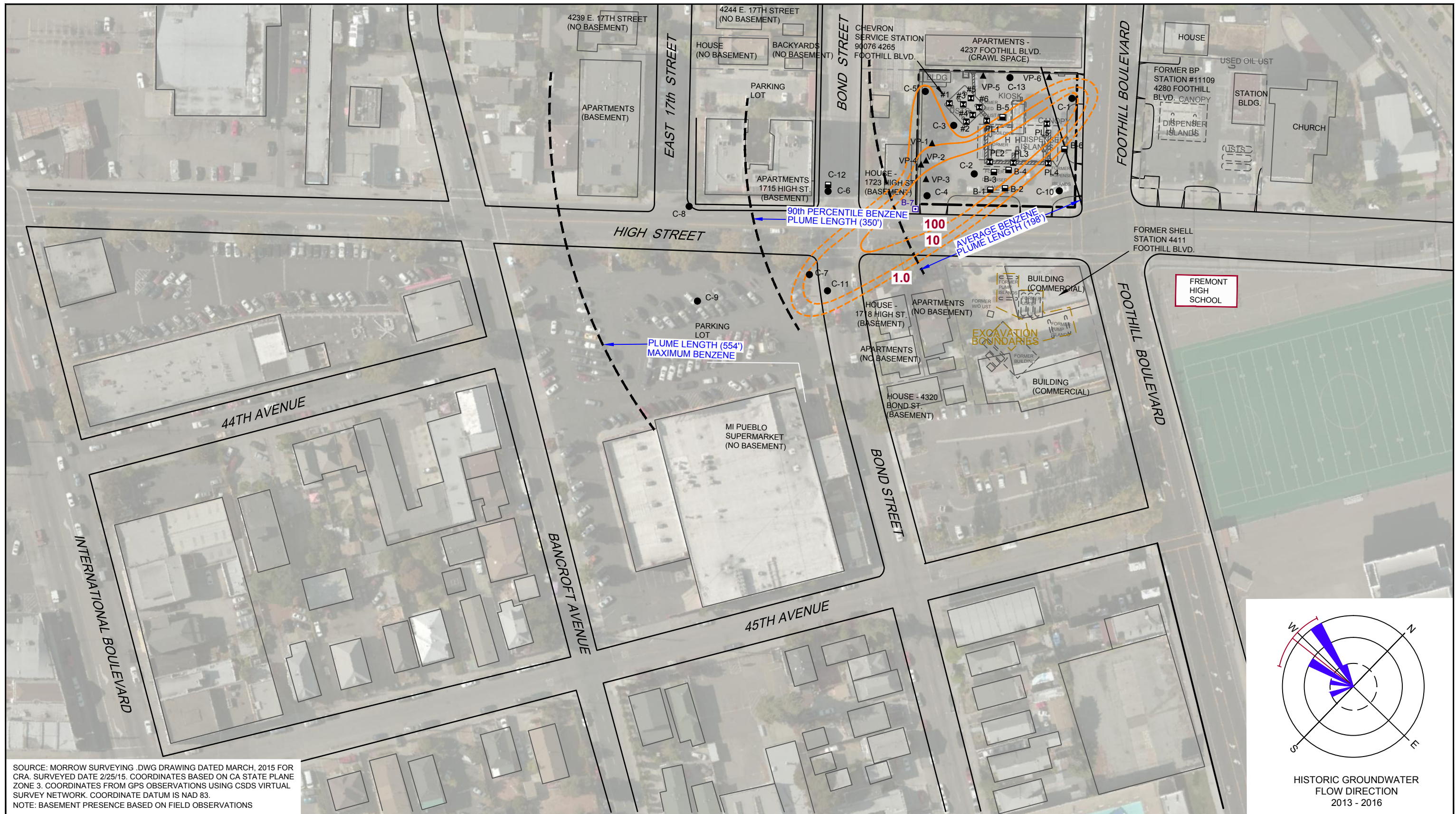
- MONITORING WELL LOCATION
- ▲ SOIL VAPOR PROBE LOCATION
- SOIL SAMPLE LOCATION
- SOIL BORING LOCATION (GHD 2016)
- SOIL BORING LOCATION (CRA 2015)
- 100 — TPHg ISOCONCENTRATION CONTOUR LINE IN mg/kg, DASHED WHERE INFERRED
- POTENTIAL SENSITIVE RECEPTOR



CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA
**POTENTIAL RECEPTORS
AND TPHg GROUNDWATER PLUME**

311977-2016
Sep 27, 2016

Figure 8

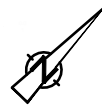


SOURCE: MORROW SURVEYING .DWG DRAWING DATED MARCH, 2015 FOR CRA. SURVEYED DATE 2/25/15. COORDINATES BASED ON CA STATE PLANE ZONE 3. COORDINATES FROM GPS OBSERVATIONS USING CSDS VIRTUAL SURVEY NETWORK. COORDINATE DATUM IS NAD 83.
NOTE: BASEMENT PRESENCE BASED ON FIELD OBSERVATIONS

Source: Microsoft Product Screen Shot(s) Reprinted with permission from Microsoft Corporation, Acquisition Date Oct/2013 - Nov/2013, Accessed: 2016



Coordinate System:
CA State Plane
Zone 3



LEGEND

- MONITORING WELL LOCATION
- ▲ SOIL VAPOR PROBE LOCATION
- SOIL SAMPLE LOCATION
- SOIL BORING LOCATION (GHD 2016)
- SOIL BORING LOCATION (CRA 2015)
- 100 — BENZENE ISOCONCENTRATION CONTOUR LINE IN mg/kg, DASHED WHERE INFERRED
- POTENTIAL SENSITIVE RECEPTOR



CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA
**POTENTIAL RECEPTORS
AND BENZENE GROUNDWATER PLUME**

311977-2016
Sep 27, 2016

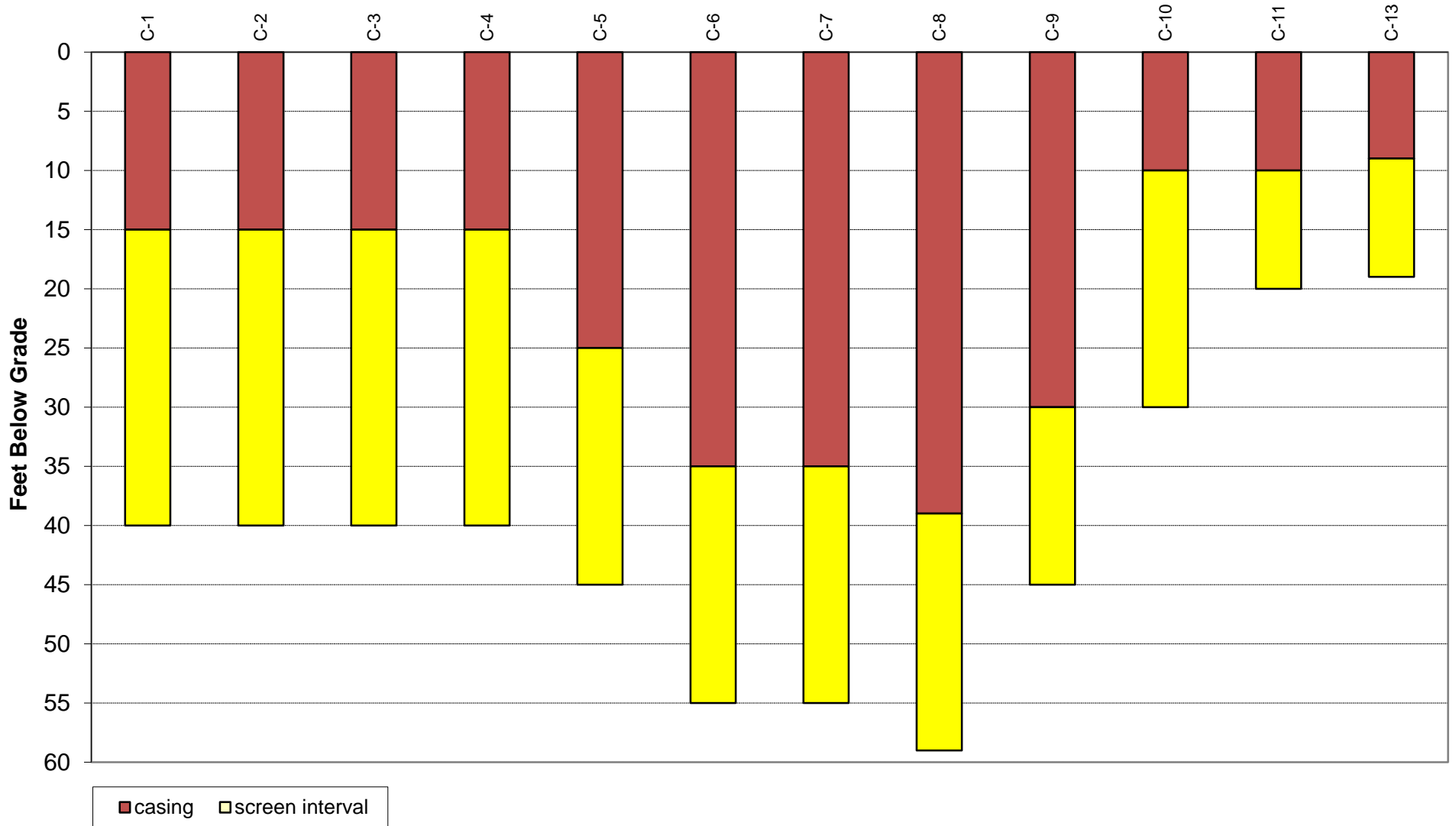
Figure 9

Tables

TABLE 1
WELL CONSTRUCTION DETAILS
CHEVRON STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Well ID	Top of screen	Bottom of Screen	Screen Length	Diameter	Slot Size	Installation Date
C-1	15	40	25	3	0.020	8/13/1987
C-2	15	40	25	3	0.020	8/13/1987
C-3	15	40	25	3	0.020	8/13/1987
C-4	15	40	25	3	0.020	8/13/1987
C-5	25	45	20	2	0.020	8/1/1990
C-6	35	55	20	2	0.020	8/1/1990
C-7	35	55	20	2	0.020	7/31/1990
C-8	39	59	20	2	0.020	11/1/1990
C-9	30	45	15	2	0.020	7/10/1996
C-10	10	30	20	2	0.010	8/8/2003
C-11	10	20	10	2	0.020	2/3/2015
C-13	9	19	10	2	0.020	2/23/2016

TABLE 1A
WELL CONSTRUCTION DETAILS
CHEVRON STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA



**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

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

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-1	12/15/1994	38.41	15.82	22.59	0.00	0.00	280	23	7.6	7.8	13	-	-	-	-	-	-	-	-	-	-	-
C-1	03/30/1995	38.41	12.02	26.39	0.00	0.00	2,200	890	8.9	15	<5.0	-	-	-	-	-	-	-	-	-	-	-
C-1	06/20/1995	38.41	14.40	24.01	0.00	0.00	690	140	<2.0	9.4	2.8	-	-	-	-	-	-	-	-	-	-	-
C-1	09/20/1995	38.41	13.82	24.59	0.00	0.00	730	27	78	26	130	-	-	-	-	-	-	-	-	-	-	-
C-1	12/06/1995	38.41	20.60	17.81	0.00	0.00	220	16	<0.5	7.2	1.7	11	-	-	-	-	-	-	-	-	-	-
C-1	03/21/1996	38.41	11.65	26.76	0.00	0.00	640	170	<2.0	6.7	<2.0	35	-	-	-	-	-	-	-	-	-	-
C-1	06/21/1996	38.41	14.25	24.16	0.00	0.00	640	140	<1.2	8.7	2.0	23	-	-	-	-	-	-	-	-	-	-
C-1	09/06/1996	38.41	16.75	21.66	0.00	0.00	460	24	0.56	10	2.4	43	-	-	-	-	-	-	-	-	-	-
C-1	12/19/1996	38.41	13.98	24.43	0.00	0.00	790	120	22	13	19	<25	-	-	-	-	-	-	-	-	-	-
C-1	03/17/1997	38.41	12.78	25.63	0.00	0.00	2,200	660	<10	15	<10	110	-	-	-	-	-	-	-	-	-	-
C-1	06/11/1997	38.41	15.16	23.25	0.00	0.00	1,500	130	<2.0	16	3.4	130	-	-	-	-	-	-	-	-	-	-
C-1	09/17/1997	38.41	16.94	21.47	0.00	0.00	910	160	23	13	49	180	-	1.4	8.8	101	104	2.0	1.1	<1.0	12	
C-1	12/11/1997	38.41	13.18	25.23	0.00	0.00	2,000	270	7.0	53	7.4	460	-	-	-	-	-	-	-	-	-	-
C-1	03/12/1998	38.41	9.49	28.92	0.00	0.00	3,100	1,300	<20	42	<20	760	-	1.7	3.6	171	171	550	3.0	<1.0	6.6	
C-1	06/23/1998	38.41	10.22	28.19	0.00	0.00	1,300	650	6.9	22	6.5	290	-	-	-	-	-	-	-	-	-	-
C-1	09/01/1998	38.41	16.98	21.43	0.00	0.00	270	6.0	<2.5	<2.5	<2.5	950	-	-	-	-	-	-	-	-	-	-
C-1	12/30/1998	38.41	16.12	22.29	0.00	0.00	2,020	578	<5.0	<5.0	<5.0	1,720	-	-	-	-	-	-	-	-	-	-
C-1	03/31/1999	38.41	13.88	24.53	0.00	0.00	2,140	776	5.89	<5.0	5.15	1,170	-	6.5	1.8	99	89	382	2,520 ¹⁴	0.418	8.23	
C-1	06/14/1999 ¹	38.41	15.32	23.09	0.00	0.00	1,450	524	<5.0	<5.0	<5.0	1,360 ² /1,150	-	-	-	-	-	-	-	-	-	-
C-1	09/30/1999	38.41	16.11	22.30	0.00	0.00	79	1.12	<0.5	1.07	<0.5	677	-	-	-	-	-	-	-	-	-	-

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-1	12/22/1999	38.41	15.04	23.37	0.00	0.00	501	157	4.45	<2.5	4.81	744	-	0.95	2.0	-95	-128	568	0.19	<0.1	11	
C-1	03/09/2000	38.41	7.13	31.28	0.00	0.00	3,300	2,500	28	37	<25	1,700	-	1.8	2.4	-47	-38	520	0.84	0.54	15	
C-1	06/23/2000 ³	38.41	12.55	25.86	0.00	0.00	2,200 ⁴	1,000	6.9	5.7	9.3	1,900	-	-	-	-	-	-	-	-	-	
C-1	09/05/2000 ³	38.41	17.13	21.28	0.00	0.00	<200	8.3	<2.0	<2.0	<2.0	1,000	-	1.74	2.66	105	59	520	0.41	1.6	10	
C-1	12/04/2000	38.41	16.93	21.48	0.00	0.00	1,400 ⁴	600	<5.0	<5.0	<5.0	1,500	-	-	-	-	-	-	-	-	-	
C-1	03/08/2001 ³	38.41	7.96	30.45	0.00	0.00	2,570	1,040	7.93	12.0	<5.00	1,470	-	-	-	-	-	-	-	-	-	
C-1	06/07/2001 ³	38.41	12.96	25.45	0.00	0.00	750 ⁴	220	5.6	4.8	2.6	2,500 ⁵	-	-	-	-	-	-	-	-	-	
C-1	09/13/2001 ³	38.41	18.50	19.91	0.00	0.00	670 ⁶	<5.0	<5.0	<5.0	<5.0	660	-	-	-	-	-	-	-	-	-	
C-1	12/13/2001 ³	38.41	15.39	23.02	0.00	0.00	1,100	340	2.1	0.95	7.9	630	-	-	-	-	-	-	-	-	-	
C-1	03/08/2002 ³	38.41	10.06	28.35	0.00	0.00	3,600	1,400	9.5	17	6.5	1,900	-	-	-	-	-	-	-	-	-	
C-1	06/19/2002 ³	38.41	13.49	24.92	0.00	0.00	1,300	220	3.4	2.7	<3.0	1,400	-	-	-	-	-	-	-	-	-	
C-1	09/11/2002 ³	38.41	17.23	21.18	0.00	0.00	400	22	<0.50	<0.50	<1.5	780	-	-	-	-	-	-	-	-	-	
C-1	12/11/2002 ³	38.41	18.60	19.81	0.00	0.00	180	4.2	<0.50	1.1	<1.5	350	-	-	-	-	-	-	-	-	-	
C-1	03/11/2003 ³	38.41	12.60	25.81	0.00	0.00	3,500	1,100	9.1	12	8.0	1,600	-	-	-	-	-	-	-	-	-	
C-1	06/10/2003 ^{3,7}	38.41	12.68	25.73	0.00	0.00	1,600	350	2	3	3	1,300	-	-	-	-	-	-	-	-	-	
C-1	09/09/2003 ^{3,7}	38.41	16.75	21.66	0.00	0.00	290	4	<1	1	1	710	<100	-	-	-	-	-	-	-	-	
C-1	12/09/2003 ^{7,9}	38.41	17.68	20.73	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	200	<50	-	-	-	-	-	-	-	-	
C-1	03/09/2004 ⁷	38.41	7.80	30.61	0.00	0.00	7,100	2,000	15	23	10	1,100	<50	-	-	-	-	-	-	-	-	
C-1	06/08/2004 ⁷	38.41	11.12	27.29	0.00	0.00	2,300	840	6	5	4	1,100	<50	-	-	-	-	-	-	-	-	
C-1	09/08/2004 ⁷	38.41	14.30	24.11	0.00	0.00	150	110	2	0.5	1	730	<50	-	-	-	-	-	-	-	-	

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-1	12/06/2004 ⁷	38.41	13.26	25.15	0.00	0.00	2,100	480	4	2	2	530	<50	-	-	-	-	-	-	-	-	-
C-1	03/07/2005 ⁷	38.41	6.48	31.93	0.00	0.00	4,100	1,200	9	10	5	1,100	<100	-	-	-	-	-	-	-	-	-
C-1	06/06/2005 ⁷	38.41	8.85	29.56	0.00	0.00	3,400	990	8	9	5	1,100	<100	-	-	-	-	-	-	-	-	-
C-1	09/06/2005 ⁷	38.41	11.42	26.99	0.00	0.00	1,100	83	2	0.9	1	810	<50	-	-	-	-	-	-	-	-	-
C-1	12/05/2005 ⁷	38.41	10.98	27.43	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	78	<50	-	-	-	-	-	-	-	-	-
C-1	03/06/2006 ⁷	38.41	7.77	30.64	0.00	0.00	3,700	880	10	8	7	1,300	<50	-	-	-	-	-	-	-	-	-
C-1	06/05/2006 ⁷	38.41	8.90	29.51	0.00	0.00	380	7	<0.5	<0.5	<0.5	960	<50	-	-	-	-	-	-	-	-	-
C-1	09/05/2006 ⁷	38.41	11.09	27.32	0.00	0.00	260	<0.5	<0.5	<0.5	<0.5	390	<50	-	-	-	-	-	-	-	-	-
C-1	12/04/2006 ⁷	38.41	10.92	27.49	0.00	0.00	270	20	<0.5	<0.5	<0.5	250	<50	-	-	-	-	-	-	-	-	-
C-1	03/05/2007 ⁷	38.41	9.78	28.63	0.00	0.00	2,000	370	5	2	2	820	<50	-	-	-	-	-	-	-	-	-
C-1	06/04/2007 ⁷	38.41	9.40	29.01	0.00	0.00	180	<0.5	<0.5	<0.5	<0.5	320	<50	-	-	-	-	-	-	-	-	-
C-1	09/07/2007 ⁷	38.41	10.55	27.86	0.00	0.00	120	<0.5	<0.5	<0.5	<0.5	72	<50	-	-	-	-	-	-	-	-	-
C-1	12/06/2007 ⁷	38.41	12.15	26.26	0.00	0.00	170	<0.5	<0.5	<0.5	<0.5	58	<50	-	-	-	-	-	-	-	-	-
C-1	03/06/2008 ⁷	38.41	8.28	30.13	0.00	0.00	3,400	790	8	4	4	610	<50	-	-	-	-	-	-	-	-	-
C-1	06/05/2008 ⁷	38.41	10.11	28.30	0.00	0.00	210	<0.5	<0.5	<0.5	<0.5	290	<50	-	-	-	-	-	-	-	-	-
C-1	09/03/2008 ⁷	38.41	12.90	25.51	0.00	0.00	130	<0.5	<0.5	<0.5	<0.5	110	<50	-	-	-	-	-	-	-	-	-
C-1	12/03/2008 ⁷	38.41	13.85	24.56	0.00	0.00	70	<0.5	<0.5	<0.5	<0.5	29	<50	-	-	-	-	-	-	-	-	-
C-1	03/04/2009	38.41	7.65	30.76	0.00	0.00	1,400	200	3	0.90	2	240	<50	-	-	-	-	-	-	-	-	-
C-1	06/09/2009 ⁷	38.41	10.52	27.81	0.00	0.00	280	2	<0.5	<0.5	<0.5	230	<50	-	-	-	-	-	-	-	-	-
C-1	09/30/2009 ⁷	38.41	13.84	24.57	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	78	<50	-	-	-	-	-	-	-	-	-

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-1	03/22/2010 ⁷	38.41	8.34	30.07	0.00	0.00	1,000	290	4	2	2	99	<50	-	-	-	-	-	-	-	-	-
C-1	09/16/2010	38.41	12.70	25.71	0.00	0.00	170	<0.5	<0.5	<0.5	<0.5	20	<50	-	-	-	-	-	-	-	-	-
C-1	03/08/2011	38.41	8.00	30.41	0.00	0.00	2,000	280	5	2	3	74	<50	-	-	-	-	-	-	-	-	-
C-1	09/28/2011	38.41	12.13	26.28	0.00	0.00	52 J	<0.5	<0.5	<0.5	<0.5	6	<50	-	-	-	-	-	-	-	-	-
C-1	03/08/2012	38.41	13.02	25.39	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	62	<50	-	-	-	-	-	-	-	-	-
C-1	09/20/2012	38.41	13.12	25.29	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	<50	-	-	-	-	-	-	-	-	-
C-1	03/20/2013	38.41	9.74	28.67	0.00	0.00	210	18	0.6 J	<0.5	<0.5	37	<50	-	-	-	-	-	-	-	-	-
C-1	09/18/2013	38.41	12.50	25.91	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	4	<50	-	-	-	-	-	-	-	-	-
C-1	03/13/2014	38.41	12.13	26.28	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	12	<50	-	-	-	-	-	-	-	-	-
C-1	09/25/2014	38.41	14.17	24.24	0.00	0.00	430	<0.5	<0.5	<0.5	<0.5	9	<50	-	-	-	-	-	-	-	-	-
C-1	03/10/2015	40.69	13.29	27.40	0.00	0.00	650	28	0.6 J	<0.5	<0.5	27	<50	-	-	-	-	-	-	-	-	-
C-1	06/19/2015	40.69	12.28	28.41	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-1	09/15/2015	40.69	16.70	23.99	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	13	<50	-	-	-	-	-	-	-	-	-
C-1	12/22/2015 ¹⁵	40.69	15.67	25.02	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-1	03/08/2016	40.69	9.92	30.77	0.00	0.00	1,300	180	4	1	2	29	<50	-	-	-	-	-	-	-	-	-
C-2	04/28/1989	35.18	26.44	8.74	0.00	0.00	120,000	30,000	22,000	3,000	17,000	-	-	-	-	-	-	-	-	-	-	-
C-2	08/08/1989	35.18	29.90	5.29	0.01	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-2	12/21/1989	35.18	29.32	5.86	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-2	08/27/1990	35.18	29.55	5.77	0.17	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-2	11/04/1990	35.18	30.47	4.71	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-2	06/18/1991	35.18	28.33	6.90	0.06	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-2	09/19/1991	35.18	29.39	5.84	0.06	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-2	12/20/1991	35.18	29.23	5.95	0.00	0.00	170,000	20,000	10,000	2,800	19,000	-	-	-	-	-	-	-	-	-	-	-
C-2	03/18/1992	35.18	13.60	21.58	0.09	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-2	07/14/1992	35.18	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-2	10/08/1992	35.18	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-2	01/08/1993	35.18	24.20	10.98	Sheen	0.00	79,000	14,000	7,200	3,500	16,000	-	-	-	-	-	-	-	-	-	-	-
C-2	04/14/1993	35.18	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-2	07/16/1993	35.18	30.15	5.03	0.00	0.00	2,200	440	73	24	350	-	-	-	-	-	-	-	-	-	-	-
C-2	09/21/1993	37.47	26.29	11.18	0.00	0.00	11,000	2,300	300	270	910	-	-	-	-	-	-	-	-	-	-	-
C-2	01/28/1994	37.47	23.96	13.51	0.00	0.00	49,000	11,000	3,900	1,600	12,000	-	-	-	-	-	-	-	-	-	-	-
C-2	03/17/1994	37.47	25.99	11.48	0.00	0.00	16,000	3,300	1,000	220	3,500	-	-	-	-	-	-	-	-	-	-	-
C-2	06/16/1994	37.47	23.92	13.55	0.00	0.00	20,000	4,800	1,500	520	4,300	-	-	-	-	-	-	-	-	-	-	-
C-2	09/22/1994	37.47	25.62	11.85	0.00	0.00	35,000	5,600	850	1,700	7,300	-	-	-	-	-	-	-	-	-	-	-
C-2	12/15/1994	37.47	21.16	16.31	0.00	0.00	96,000	9,000	3,500	3,300	13,000	-	-	-	-	-	-	-	-	-	-	-
C-2	03/30/1995	37.47	17.18	20.29	0.00	0.00	100,000	9,400	3,700	3,900	14,000	-	-	-	-	-	-	-	-	-	-	-
C-2	06/20/1995	37.47	18.95	18.52	0.00	0.00	93,000	6,400	1,900	2,900	11,000	-	-	-	-	-	-	-	-	-	-	-
C-2	09/20/1995	37.47	18.20	19.27	0.00	0.00	58,000	6,600	330	1,600	5,500	-	-	-	-	-	-	-	-	-	-	-
C-2	12/06/1995	37.47	24.76	12.71	0.00	0.00	40,000	5,000	86	1,800	3,700	<500	-	-	-	-	-	-	-	-	-	-

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-2	03/21/1996	37.47	16.17	21.30	0.00	0.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-2	06/21/1996	37.47	18.15	19.34	0.02	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-2	09/06/1996	37.47	21.14	16.36	0.04	0.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-2	12/19/1996	37.47	17.55	19.94	0.03	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-2	03/17/1997	37.47	18.59	18.88	0.00	0.00	58,000	4,800	1,200	1,800	6,300	3,400	-	-	-	-	-	-	-	-	-	-
C-2	06/11/1997	37.47	21.30	16.17	0.00	0.00	40,000	5,500	720	1,400	4,100	3,100	-	-	-	-	-	-	-	-	-	-
C-2	09/17/1997	37.47	23.14	14.33	0.00	0.00	30,000	4,800	220	1,200	1,800	3,200	-	1.3	-	150	-	560	4.7	<1.0	<1.0	
C-2	12/11/1997	37.47	17.21	20.26	0.00	0.00	76,000	6,100	1,300	2,200	8,000	3,800	-	-	-	-	-	-	-	-	-	-
C-2	03/12/1998	37.47	14.17	23.30	0.00	0.00	45,000	6,000	1,400	1,800	5,900	2,700	-	1.1	1.1	176	174	420	3.5	<1.0	<1.0	
C-2	06/23/1998 ³	37.47	14.82	22.65	0.00	0.00	1,100,000	6,800	5,100	13,000	38,000	<1,000	-	-	-	-	-	-	-	-	-	-
C-2	09/01/1998	37.47	21.78	15.69	0.00	0.00	9,700	300	8.2	6.2	250	3,700	-	-	-	-	-	-	-	-	-	-
C-2	12/30/1998	37.47	21.86	15.61	0.00	0.00	110,000	4,790	1,300	841	5,570	2,420	-	-	-	-	-	-	-	-	-	-
C-2	03/31/1999	37.47	16.90	20.57	0.00	0.00	48,000	4,800	1,110	1,520	5,450	2,160	-	1.5	1.6	151	157	456	2,100 ¹⁴	0.118	19.7	
C-2	06/14/1999 ¹	37.47	20.15	17.32	Sheen	0.00	56,400	5,380	671	1,300	3,960	2,480/2,630 ²	-	-	-	-	-	-	-	-	-	-
C-2	09/30/1999	37.47	22.97	14.50	0.00	0.00	22,100	623	<100	529	1,250	2,430	-	-	-	-	-	-	-	-	-	-
C-2	12/22/1999	37.47	21.00	16.47	0.00	0.00	10,200	1,750	102	222	963	1,980	-	0.6	0.65	-90	-84	782	1.0	5.34	5.38	
C-2	03/09/2000	37.47	12.20	25.27	0.00	0.00	26,000	4,800	930	1,200	4,400	1,800	-	1.0	1.6	-68	-70	450	0.31	<0.1	0.39	
C-2	06/23/2000 ³	37.47	18.94	18.53	0.00	0.00	29,000 ⁴	3,400	360	440	2,500	2,800	-	-	-	-	-	-	-	-	-	-
C-2	09/05/2000 ³	37.47	20.46	17.01	0.00	0.00	35,000 ⁴	3,800	54	980	750	5,200	-	1.31	1.85	65	44	690	0.34	<1.0	<1.0	
C-2	12/04/2000	37.47	20.93	16.54	0.00	0.00	16,000 ⁴	2,500	120	360	1,100	2,100	-	-	-	-	-	-	-	-	-	-

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-2	03/08/2001 ³	37.47	16.94	20.53	0.00	0.00	42,300	3,930	828	2,010	5,180	1,660	-	-	-	-	-	-	-	-	-	-
C-2	06/07/2001 ³	37.47	19.34	18.13	0.00	0.00	15,000 ⁴	3,400	150	700	1,300	1,900	-	-	-	-	-	-	-	-	-	-
C-2	09/13/2001 ³	37.47	22.19	15.28	0.00	0.00	9,600	1,200	<50	120	160	2,200	-	-	-	-	-	-	-	-	-	-
C-2	12/13/2001 ³	37.47	17.60	19.87	0.00	0.00	33,000	3,200	430	1,300	3,700	1,400	-	-	-	-	-	-	-	-	-	-
C-2	03/08/2002 ³	37.47	14.29	23.18	0.00	0.00	26,000	2,900	390	1,200	2,800	1,100	-	-	-	-	-	-	-	-	-	-
C-2	06/19/2002 ³	37.47	19.11	18.36	0.00	0.00	19,000	3,000	100	720	1,100	1,400	-	-	-	-	-	-	-	-	-	-
C-2	09/11/2002 ³	37.47	20.68	16.79	0.00	0.00	10,000	1,400	23	120	78	1,800	-	-	-	-	-	-	-	-	-	-
C-2	12/11/2002 ³	37.47	22.11	15.36	0.00	0.00	8,700	1,300	24	100	250	1,900	-	-	-	-	-	-	-	-	-	-
C-2	03/11/2003 ³	37.47	14.61	22.86	0.00	0.00	23,000	2,000	280	1,100	2,100	990	-	-	-	-	-	-	-	-	-	-
C-2	06/10/2003 ^{3,7}	37.47	17.11	20.36	0.00	0.00	14,000	1,300	91	450	720	480	-	-	-	-	-	-	-	-	-	-
C-2	09/09/2003 ^{3,7}	37.47	21.14	16.33	0.00	0.00	6,800	1,100	9	83	47	1,300	<200	-	-	-	-	-	-	-	-	-
C-2	12/09/2003 ⁷	37.47	19.20	18.27	0.00	0.00	22,000	1,100	120	570	1,000	460	<250	-	-	-	-	-	-	-	-	-
C-2	03/09/2004 ⁷	37.47	11.82	25.65	0.00	0.00	24,000	1,800	420	820	2,100	480	<250	-	-	-	-	-	-	-	-	-
C-2	06/08/2004 ⁷	37.47	16.42	21.05	0.00	0.00	1,200	180	5	1	10	170	<50	-	-	-	-	-	-	-	-	-
C-2	09/08/2004 ⁷	37.47	13.16	24.32"	0.01	0.00	16,000	340	13	290	200	170	<250	-	-	-	-	-	-	-	-	-
C-2	12/06/2004 ⁷	37.47	14.12	23.36"	0.01	0.00	13,000	730	130	340	570	280	<100	-	-	-	-	-	-	-	-	-
C-2	03/07/2005 ⁷	37.47	10.57	26.91"	0.01	0.00	18,000	2,200	470	770	2,000	420	<250	-	-	-	-	-	-	-	-	-
C-2	06/06/2005 ⁷	37.47	12.69	24.78	0.00	0.00	9,800	940	79	300	490	200	<100	-	-	-	-	-	-	-	-	-
C-2	09/06/2005 ⁷	37.47	14.78	22.69	0.00	0.00	9,300	380	8	89	76	170	<100	-	-	-	-	-	-	-	-	-
C-2	12/05/2005 ⁷	37.47	14.22	23.25	0.00	0.00	8,300	190	8	68	67	56	<50	-	-	-	-	-	-	-	-	-

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

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

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CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-2	09/20/2012	37.47	13.06	24.41	0.00	0.00	6,800	260	6	36	170	69	<50	-	-	-	-	-	-	-	-	-
C-2	03/20/2013	37.47	12.71	24.76	0.00	0.00	8,100	500	17	61	63	48	<130	-	-	-	-	-	-	-	-	-
C-2	09/18/2013	37.47	14.90	22.57	0.00	0.00	15,000	230	13	150	290	42	<50	-	-	-	-	-	-	-	-	-
C-2	03/13/2014	37.47	12.45	25.02	0.00	0.00	13,000	640	41	230	180	45	<50	-	-	-	-	-	-	-	-	-
C-2	09/25/2014	37.47	17.95	19.52	0.00	0.00	4,800	69	2	3	17	47	<50	-	-	-	-	-	-	-	-	-
C-2	03/10/2015	40.05	17.04	23.01	0.00	0.00	14,000	480	22	120	120	40	<500	-	-	-	-	-	-	-	-	-
C-2	06/19/2015	40.05	16.83	23.22	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-2	09/15/2015	40.05	17.69	22.36	0.00	0.00	6,100	75	<3	<3	5	30	<250	-	-	-	-	-	-	-	-	-
C-2	12/22/2015	40.05	15.00	25.05	0.00	0.00	7,700	270	10	67	32	24	<250	-	-	-	-	-	-	-	-	-
C-2	03/08/2016	40.05	11.91	28.14	0.00	0.00	9,700	540	27	140	140	37	<250	-	-	-	-	-	-	-	-	-
C-3	04/28/1989	35.28	28.00	7.28	0.00	0.00	<500	1.7	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-3	08/08/1989	35.28	30.00	5.28	0.00	0.00	<500	1.0	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-3	12/21/1989	35.28	30.53	4.75	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-3	08/27/1990	35.28	29.68	5.60	0.00	0.00	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-	-	-	-
C-3	11/04/1990	35.30	30.36	4.94	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-3	06/18/1991	35.30	28.46	6.84	0.00	0.00	52	1.1	<0.5	<0.5	1.2	-	-	-	-	-	-	-	-	-	-	-
C-3	09/19/1991	35.30	29.33	5.97	0.00	0.00	73	1.2	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-3	12/20/1991	35.30	29.77	5.53	0.00	0.00	<50	0.7	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-3	03/18/1992	35.30	25.75	9.55	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-3	07/14/1992	35.30	27.87	7.43	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-3	10/08/1992	35.30	28.55	6.75	0.00	0.00	<50	<0.5	<0.5	<0.5	0.5	-	-	-	-	-	-	-	-	-	-	-
C-3	01/08/1993	35.30	25.85	9.45	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-3	04/14/1993	35.30	23.96	11.34	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-3	07/16/1993	35.30	25.64	9.66	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-3	09/21/1993	38.37	26.22	12.15	0.00	0.00	<50	0.7	<0.5	<0.5	<0.8	-	-	-	-	-	-	-	-	-	-	-
C-3	01/28/1994	38.37	25.66	12.71	0.00	0.00	<50	2.0	<0.5	<0.5	1.0	-	-	-	-	-	-	-	-	-	-	-
C-3	03/17/1994	38.37	24.95	13.42	0.00	0.00	<50	2.8	<0.5	0.6	1.5	-	-	-	-	-	-	-	-	-	-	-
C-3	06/16/1994	38.37	24.31	14.06	0.00	0.00	<50	1.4	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-3	09/22/1994	38.37	25.04	13.33	0.00	0.00	<50	0.6	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-3	12/15/1994	38.37	22.22	16.15	0.00	0.00	<50	2.6	1.7	0.82	4.5	-	-	-	-	-	-	-	-	-	-	-
C-3	03/30/1995	38.37	18.42	19.95	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-3	06/20/1995	38.37	19.79	18.58	0.00	0.00	110	2.2	<0.5	<0.5	1.2	-	-	-	-	-	-	-	-	-	-	-
C-3	09/20/1995	38.37	18.95	19.42	0.00	0.00	560	21	80	23	120	-	-	-	-	-	-	-	-	-	-	-
C-3	12/06/1995	38.37	24.16	14.21	0.00	0.00	<50	0.73	<0.5	<0.5	0.67	<2.5	-	-	-	-	-	-	-	-	-	-
C-3	03/21/1996	38.37	17.85	20.52	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-
C-3	06/21/1996	38.37	19.78	18.59	0.00	0.00	57	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-
C-3	09/06/1996	38.37	21.63	16.74	0.00	0.00	<50	0.9	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-
C-3	12/19/1996	38.37	22.30	16.07	0.00	0.00	310	36	33	6.5	28	<2.5	-	-	-	-	-	-	-	-	-	-
C-3	03/17/1997	38.37	18.95	19.42	0.00	0.00	54	1.1	<0.5	<0.5	0.76	<2.5	-	-	-	-	-	-	-	-	-	-

TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-3	06/11/1997	38.37	21.15	17.22	0.00	0.00	120	1.1	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-
C-3	09/17/1997	38.37	22.41	15.96	0.00	0.00	240	19	19	6.6	40	13	-	2.1	0.8	59	67	340	0.012	100	33	
C-3	12/11/1997	38.37	22.26	16.11	0.00	0.00	<50	1.8	<0.5	<0.5	0.5	<2.5	-	-	-	-	-	-	-	-	-	
C-3	03/12/1998	38.37	18.35	20.02	0.00	0.00	72	6.3	<0.5	0.64	3.1	2.6	-	2.8	2.5	165	163	260	0.14	88	32	
C-3	06/23/1998	38.37	19.04	19.33	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	
C-3	09/01/1998	38.37	19.97	18.40	0.00	0.00	200	6.8	0.31	0.52	2.0	<2.5	-	-	-	-	-	-	-	-	-	
C-3	12/30/1998	38.37	21.31	17.06	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.0	-	-	-	-	-	-	-	-	-	
C-3	03/31/1999	38.37	17.77	20.60	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	12.6	-	4.1	3.3	101	89	256	<500 ¹⁴	18.4	72	
C-3	06/14/1999	38.37	18.25	20.12	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	
C-3	09/30/1999	38.37	21.19	17.18	0.00	0.00	79.2	3.04	0.794	<0.5	1.04	6.17	-	-	-	-	-	-	-	-	-	
C-3	12/22/1999	38.37	22.32	16.05	0.00	0.00	<50	1.53	1.08	<0.5	0.66	12	-	0.98	1.48	69	107	402	0.013	67.7	37.6	
C-3	03/09/2000	38.37	17.10	21.27	0.00	0.00	99	6.9	0.8	0.89	3.8	12	-	3.3	1.6	110	97	390	0.12	60	38	
C-3	06/23/2000	38.37	19.15	19.22	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-	-	-	-	
C-3	09/05/2000	38.37	20.84	17.53	0.00	0.00	52 ⁴	4.3	<0.50	<0.50	0.93	29	-	3.79	2.53	202	203	430	0.011	52	40	
C-3	12/04/2000	38.37	21.20	17.17	0.00	0.00	70 ⁴	4.0	<0.50	<0.50	0.71	25	-	-	-	-	-	-	-	-	-	
C-3	03/08/2001	38.37	17.67	20.70	0.00	0.00	<50.0	0.873	<0.500	<0.500	<0.500	3.24	-	-	-	-	-	-	-	-	-	
C-3	06/07/2001	38.37	18.90	19.47	0.00	0.00	140 ⁴	16	0.67	1.4	3.8	30	-	-	-	-	-	-	-	-	-	
C-3	09/13/2001	38.37	21.01	17.36	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-	-	-	-	
C-3	12/13/2001	38.37	19.80	18.57	0.00	0.00	<50	1.2	<0.50	<0.50	<1.5	15	-	-	-	-	-	-	-	-	-	
C-3	03/08/2002	38.37	17.78	20.59	0.00	0.00	82	5.4	<0.50	<0.50	<1.5	68	-	-	-	-	-	-	-	-	-	

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-3	06/19/2002	38.37	18.40	19.97	0.00	0.00	74	2.1	<0.50	<0.50	<1.5	77	-	-	-	-	-	-	-	-	-	-
C-3	09/11/2002	38.37	20.17	18.20	0.00	0.00	110	4.7	<0.50	<0.50	<1.5	76	-	-	-	-	-	-	-	-	-	-
C-3	12/11/2002	38.37	21.75	16.62	0.00	0.00	79	1.5	<0.50	<0.50	<1.5	96	-	-	-	-	-	-	-	-	-	-
C-3	03/11/2003	38.37	19.07	19.30	0.00	0.00	<50	2.1	<0.50	<0.50	<1.5	18	-	-	-	-	-	-	-	-	-	-
C-3	06/10/2003 ⁷	38.37	19.08	19.29	0.00	0.00	86	2	<0.5	<0.5	<0.5	93	-	-	-	-	-	-	-	-	-	-
C-3	09/09/2003 ⁷	38.37	20.70	17.67	0.00	0.00	<50	2	<0.5	<0.5	<0.5	160	<50	-	-	-	-	-	-	-	-	-
C-3	12/09/2003 ⁷	38.37	21.05	17.32	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.9	<50	-	-	-	-	-	-	-	-	-
C-3	03/09/2004 ⁷	38.37	16.25	22.12	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	06/08/2004 ⁷	38.37	18.50	19.87	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	09/08/2004 ⁷	38.37	20.01	18.36	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	22	<50	-	-	-	-	-	-	-	-	-
C-3	12/06/2004 ⁷	38.37	19.30	19.07	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	03/07/2005 ⁷	38.37	18.02	20.35	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	06/06/2005 ⁷	38.37	19.08	19.29	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	09/06/2005 ⁷	38.37	18.15	20.22	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	12/05/2005 ⁷	38.37	17.85	20.52	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	03/06/2006 ⁷	38.37	17.93	20.44	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	06/05/2006 ⁷	38.37	15.35	23.02	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	65	<50	-	-	-	-	-	-	-	-	-
C-3	09/05/2006 ⁷	38.37	18.42	19.95	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	12/04/2006 ⁷	38.37	18.29	20.08	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	03/05/2007 ⁷	38.37	14.74	23.63	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-

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

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, pre-purge	Dissolved oxygen, post-purge	Oxidation reduction potential, pre-purge	Oxidation reduction potential, post-purge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-3	06/04/2007 ⁷	38.37	15.68	22.69	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	09/07/2007 ⁷	38.37	18.51	19.86	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	12/06/2007 ⁷	38.37	19.41	18.96	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	03/06/2008 ⁷	38.37	15.95	22.42	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	<50	-	-	-	-	-	-	-	-	-
C-3	06/05/2008 ⁷	38.37	17.48	20.89	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.6	<50	-	-	-	-	-	-	-	-	-
C-3	09/03/2008 ⁷	38.37	18.98	19.39	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	12/03/2008 ⁷	38.37	20.18	18.19	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	03/04/2009	38.37	16.52	21.85	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	<50	-	-	-	-	-	-	-	-	-
C-3	06/09/2009 ⁷	38.37	17.62	26.82	0.00	0.00	140	<0.5	<0.5	<0.5	<0.5	240	<50	-	-	-	-	-	-	-	-	-
C-3	09/30/2009 ⁷	38.37	19.83	18.54	0.00	0.00	120	<0.5	<0.5	<0.5	<0.5	130	<50	-	-	-	-	-	-	-	-	-
C-3	03/22/2010 ⁷	38.37	16.84	21.53	0.00	0.00	<50	0.6 J	<0.5	<0.5	<0.5	4	<50	-	-	-	-	-	-	-	-	-
C-3	09/16/2010	38.37	19.92	18.45	0.00	0.00	80 J	<0.5	<0.5	<0.5	<0.5	390	<50	-	-	-	-	-	-	-	-	-
C-3	03/08/2011	38.37	16.10	22.27	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	09/28/2011	38.37	18.76	19.61	0.00	0.00	100	0.8 J	<0.5	<0.5	0.5 J	300	<50	-	-	-	-	-	-	-	-	-
C-3	03/08/2012	38.37	19.24	19.13	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	170	<50	-	-	-	-	-	-	-	-	-
C-3	09/20/2012	38.37	20.17	18.20	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	03/20/2013	38.37	19.17	19.20	0.00	0.00	74 J	<0.5	<0.5	<0.5	<0.5	400	<50	-	-	-	-	-	-	-	-	-
C-3	09/18/2013	38.37	19.90	18.47	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-3	03/13/2014	38.37	19.00	19.37	0.00	0.00	87 J	<0.5	<0.5	<0.5	<0.5	140	<50	-	-	-	-	-	-	-	-	-
C-3	09/25/2014	38.37	21.72	16.65	0.00	0.00	89 J	<0.5	<0.5	<0.5	<0.5	360	<50	-	-	-	-	-	-	-	-	-

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY					
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate		
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L	
C-3	03/10/2015	40.62	21.16	19.46	0.00	0.00	76 J	<0.5	<0.5	<0.5	<0.5	54	<50	-	-	-	-	-	-	-	-	-	
C-3	06/19/2015	40.62	20.83	19.79	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-3	09/15/2015	40.62	21.86	18.76	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	390	<50	-	-	-	-	-	-	-	-	-	-
C-3	12/22/2015 ¹⁵	40.62	21.71	18.91	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-3	03/08/2016	40.62	19.65	20.97	0.00	0.00	55 J	<0.5	<0.5	<0.5	<0.5	290	<50	-	-	-	-	-	-	-	-	-	-
C-4	01/12/1989	33.45	29.49	3.96	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-4	04/12/1989	33.45	27.44	6.01	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-4	04/28/1989	33.45	29.49	3.96	0.00	0.00	20,000	6,300	550	230	1,500	-	-	-	-	-	-	-	-	-	-	-	-
C-4	08/08/1989	33.45	29.55	3.90	0.00	0.00	8,000	7,500	340	88	1,000	-	-	-	-	-	-	-	-	-	-	-	-
C-4	12/21/1989	33.45	30.02	3.43	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-4	08/27/1990	33.48	29.02	4.46	0.00	0.00	26,000	10,000	280	410	1,400	-	-	-	-	-	-	-	-	-	-	-	-
C-4	11/04/1990	33.48	29.81	3.67	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-4	06/18/1991	33.48	27.45	6.03	0.00	0.00	34,000	14,000	410	450	1,300	-	-	-	-	-	-	-	-	-	-	-	-
C-4	09/19/1991	33.48	28.65	4.83	0.00	0.00	16,000	7,400	90	110	460	-	-	-	-	-	-	-	-	-	-	-	-
C-4	12/20/1991	33.48	28.84	4.64	0.00	0.00	24,000	12,000	120	260	740	-	-	-	-	-	-	-	-	-	-	-	-
C-4	03/18/1992	33.48	24.43	11.05	0.00	0.00	48,000	6,000	1,300	1,300	2,400	-	-	-	-	-	-	-	-	-	-	-	-
C-4	07/14/1992	33.48	26.89	6.59	0.00	0.00	40,000	14,000	920	550	2,400	-	-	-	-	-	-	-	-	-	-	-	-
C-4	10/08/1992	33.48	27.79	5.69	0.00	0.00	29,000	13,000	190	110	1,400	-	-	-	-	-	-	-	-	-	-	-	-
C-4	01/08/1993	33.48	23.50	9.98	0.00	0.00	25,000	7,000	630	860	1,800	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

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

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

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

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

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-4	03/11/2003 ³	36.49	18.39	18.10	0.00	0.00	5,500	490	12	100	210	330	-	-	-	-	-	-	-	-	-	-
C-4	06/10/2003 ^{3,7}	36.49	18.75	17.74	0.00	0.00	3,300	370	15	120	200	200	-	-	-	-	-	-	-	-	-	-
C-4	09/09/2003 ^{3,7}	36.49	20.79	15.70	0.00	0.00	690	8	0.8	5	5	30	<50	-	-	-	-	-	-	-	-	-
C-4	12/09/2003 ^{7,9}	36.49	20.30	16.19	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	57	<50	-	-	-	-	-	-	-	-	-
C-4	03/09/2004 ⁷	36.49	13.46	23.03	0.00	0.00	15,000	1,600	73	520	460	230	<250	-	-	-	-	-	-	-	-	-
C-4	06/08/2004 ⁷	36.49	17.02	19.47	0.00	0.00	550	120	2	0.7	5	93	<50	-	-	-	-	-	-	-	-	-
C-4	09/08/2004 ⁷	36.49	17.58	18.91	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	37	<50	-	-	-	-	-	-	-	-	-
C-4	12/06/2004 ⁷	36.49	16.78	19.71	0.00	0.00	7,000	1,600	39	230	260	180	<50	-	-	-	-	-	-	-	-	-
C-4	03/07/2005 ⁷	36.49	12.16	24.33	0.00	0.00	9,500	2,100	67	330	160	170	<250	-	-	-	-	-	-	-	-	-
C-4	06/06/2005 ⁷	36.49	13.63	22.86	0.00	0.00	7,700	2,000	39	280	130	130	<250	-	-	-	-	-	-	-	-	-
C-4	09/06/2005 ⁷	36.49	15.70	20.79	0.00	0.00	3,600	830	10	79	21	110	<50	-	-	-	-	-	-	-	-	-
C-4	12/05/2005 ⁷	36.49	16.45	20.04	0.00	0.00	4,400	1,000	11	80	23	120	<250	-	-	-	-	-	-	-	-	-
C-4	03/06/2006 ⁷	36.49	12.95	23.54	0.00	0.00	10,000	2,400	92	240	170	130	<500	-	-	-	-	-	-	-	-	-
C-4	06/05/2006 ⁷	36.49	11.02	25.47	0.00	0.00	16,000	3,300	160	350	370	150	<500	-	-	-	-	-	-	-	-	-
C-4	09/05/2006 ⁷	36.49	12.60	23.89	0.00	0.00	9,600	1,400	29	200	78	81	<100	-	-	-	-	-	-	-	-	-
C-4	12/04/2006 ⁷	36.49	13.20	23.29	0.00	0.00	13,000	1,800	40	150	99	100	<250	-	-	-	-	-	-	-	-	-
C-4	03/05/2007 ⁷	36.49	10.65	25.84	0.00	0.00	11,000	2,800	58	230	270	100	<500	-	-	-	-	-	-	-	-	-
C-4	06/04/2007 ⁷	36.49	11.54	24.95	0.00	0.00	13,000	3,500	87	300	230	94	<250	-	-	-	-	-	-	-	-	-
C-4	09/07/2007 ⁷	36.49	12.50	23.99	0.00	0.00	5,100	1,000	24	70	43	39	<130	-	-	-	-	-	-	-	-	-
C-4	12/06/2007 ⁷	36.49	12.42	24.07	0.00	0.00	9,900	2,000	65	210	210	74	<130	-	-	-	-	-	-	-	-	-

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CHEVRON SERVICE STATION 90076
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Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-4	03/06/2008 ⁷	36.49	10.14	26.35	0.00	0.00	17,000	3,500	210	510	510	77	<250	-	-	-	-	-	-	-	-	-
C-4	06/05/2008 ⁷	36.49	11.58	24.91	0.00	0.00	12,000	3,500	120	300	240	76	<250	-	-	-	-	-	-	-	-	-
C-4	09/03/2008 ⁷	36.49	12.47	24.02	0.00	0.00	13,000	3,400	72	210	130	73	<250	-	-	-	-	-	-	-	-	-
C-4	12/03/2008 ⁷	36.49	14.08	22.41	0.00	0.00	12,000	2,600	55	200	160	60	<250	-	-	-	-	-	-	-	-	-
C-4	03/04/2009	36.49	12.48	24.01	0.00	0.00	14,000	2,500	78	350	340	58	<250	-	-	-	-	-	-	-	-	-
C-4	06/09/2009 ⁷	36.49	11.55	24.94	0.00	0.00	13,000	2,500	69	260	140	55	<100	-	-	-	-	-	-	-	-	-
C-4	09/30/2009 ⁷	36.49	12.25	24.24	0.00	0.00	10,000	1,900	40	140	87	44	<100	-	-	-	-	-	-	-	-	-
C-4	03/22/2010 ⁷	36.49	10.37	26.12	0.00	0.00	13,000	2,500	74	260	260	46	<50	-	-	-	-	-	-	-	-	-
C-4	09/16/2010	36.49	11.75	24.74	0.00	0.00	9,700	1,300	33	160	120	27	<100	-	-	-	-	-	-	-	-	-
C-4	03/08/2011	36.49	9.90	26.59	0.00	0.00	9,200	1,900	42	190	130	24	<250	-	-	-	-	-	-	-	-	-
C-4	09/28/2011	36.49	10.83	25.66	0.00	0.00	8,200	1,300	24	94	65	25	<250	-	-	-	-	-	-	-	-	-
C-4	03/08/2012	36.49	13.74	22.75	0.00	0.00	8,800	1,600	36	130	90	21	<500	-	-	-	-	-	-	-	-	-
C-4	09/20/2012	36.49	12.10	24.39	0.00	0.00	10,000	1,300	34	150	95	17	<500	-	-	-	-	-	-	-	-	-
C-4	03/20/2013	36.49	8.97	27.52	0.00	0.00	6,300	1,300	33	110	60	20	<100	-	-	-	-	-	-	-	-	-
C-4	09/18/2013	36.49	9.73	26.76	0.00	0.00	6,900	740	15	65	57	5	<50	-	-	-	-	-	-	-	-	-
C-4	03/13/2014	36.49	9.97	26.52	0.00	0.00	10,000	1,400	40	150	84	13	<100	-	-	-	-	-	-	-	-	-
C-4	09/25/2014	36.49	12.00	24.49	0.00	0.00	6,400	1,300	19	34	31	18	<250	-	-	-	-	-	-	-	-	-
C-4	03/10/2015	38.69	11.42	27.27	0.00	0.00	8,800	1,400	30	99	50	13 J	<1,000	-	-	-	-	-	-	-	-	-
C-4	06/19/2015	38.69	11.78	26.91	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-4	09/15/2015	38.69	12.10	26.59	0.00	0.00	8,200	730	12	42	29	7	<250	-	-	-	-	-	-	-	-	-

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-4	12/22/2015	38.69	11.66	27.03	0.00	0.00	7,600	490	11	49	37	7	<250	-	-	-	-	-	-	-	-	-
C-4	03/08/2016	38.69	9.22	29.47	0.00	0.00	6,300	910	19	15	38	9 J	<500	-	-	-	-	-	-	-	-	-
C-5	08/27/1990	35.50	29.83	5.67	0.00	0.00	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-	-	-	-
C-5	11/14/1990	35.50	30.56	4.94	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	06/18/1991	35.50	28.52	6.98	0.00	0.00	<50	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-
C-5	09/19/1991	35.50	29.51	5.99	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-5	12/20/1991	35.50	29.96	5.54	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-5	03/18/1992	35.50	25.92	9.58	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-5	07/14/1992	35.50	28.00	7.50	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-5	10/08/1992	35.50	28.65	6.85	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-5	01/08/1993	35.50	26.02	9.48	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-5	04/14/1993	35.50	24.04	11.46	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-5	07/16/1993	35.50	25.21	10.29	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-5	09/21/1993	38.50	26.36	12.14	0.00	0.00	60	10	8.1	1.9	9.4	-	-	-	-	-	-	-	-	-	-	-
C-5	01/28/1994	38.50	25.90	12.60	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-5	03/17/1994	38.50	24.50	14.00	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-5	06/16/1994	38.50	24.40	14.10	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-5	09/22/1994	38.50	25.16	13.34	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-5	12/15/1994	38.50	22.89	15.61	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-5	03/30/1995	38.50	18.54	19.96	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-5	06/20/1995	38.50	20.13	18.37	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-5	09/20/1995	38.50	24.34	14.16	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-5	12/06/1995	38.50	24.10	14.40	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-
C-5	03/21/1996	38.50	18.40	20.10	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-
C-5	06/06/1996	38.50	21.90	16.60	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-
C-5	06/21/1996	38.50	20.27	18.23	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	8.7	-	-	-	-	-	-	-	-	-	-
C-5	12/19/1996	38.50	21.15	17.35	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-
C-5	03/17/1997	38.50	19.84	18.66	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-
C-5	06/11/1997	38.50	21.60	16.90	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-
C-5	09/17/1997 ¹²	38.50	27.83	10.67	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	12/11/1997	38.50	21.00	17.50	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	03/12/1998	38.50	16.42	22.08	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	1.7	1.9	70	169	210	0.074	69	74	-
C-5	06/23/1998	38.50	16.98	21.52	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	09/01/1998	38.50	20.42	18.08	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	12/30/1998	38.50	20.79	17.71	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	03/31/1999	38.50	17.05	21.45	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	15	-	12.8	6.7	92	97	254	<500 ¹⁴	16.7	69.7	-
C-5	06/14/1999	38.50	17.48	21.02	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	09/30/1999	38.50	18.73	19.77	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	12/22/1999	38.50	22.18	16.32	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-5	03/09/2000	38.50	16.98	21.52	0.00	0.00	<50	<0.5	<0.5	<0.5	0.87	3.5	-	2.8	3.6	120	118	230	0.39	60	74	
C-5	06/23/2000 ¹²	38.50	19.65	18.85	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	09/05/2000	38.50	20.47	18.03	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	12/04/2000	38.50	21.46	17.04	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	03/08/2001	38.50	17.53	20.97	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	5.15	-	-	-	-	-	-	-	-	-	-
C-5	06/07/2001 ¹²	38.50	19.50	19.00	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	09/13/2001 ¹²	38.50	21.43	17.07	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	12/13/2001 ¹²	38.50	19.84	18.66	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	03/08/2002	38.50	18.18	20.32	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	3.5	-	-	-	-	-	-	-	-	-	-
C-5	06/19/2002 ¹²	38.50	18.88	19.62	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	09/11/2002 ¹²	38.50	20.56	17.94	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	12/11/2002 ¹²	38.50	21.82	16.68	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	03/11/2003	38.50	18.96	19.54	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	3.2	-	-	-	-	-	-	-	-	-	-
C-5	06/10/2003 ¹²	38.50	18.87	19.63	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	09/09/2003 ¹²	38.50	20.68	17.82	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	12/09/2003 ¹²	38.50	20.25	18.25	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	03/09/2004 ⁷	38.50	16.68	21.82	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	<50	-	-	-	-	-	-	-	-	-
C-5	06/08/2004 ¹²	38.50	19.34	19.16	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	09/08/2004 ¹²	38.50	20.10	18.40	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	12/06/2004 ¹²	38.50	19.75	18.75	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-5	03/07/2005 ⁷	38.50	18.15	20.35	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-5	06/06/2005 ¹²	38.50	19.36	19.14	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	09/06/2005 ¹²	38.50	18.26	20.24	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	12/05/2005 ¹²	38.50	17.91	20.59	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	03/06/2006 ⁷	38.50	18.20	20.30	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-5	06/05/2006 ¹²	38.50	15.87	22.63	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	09/05/2006 ¹²	38.50	18.78	19.72	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	12/04/2006 ¹²	38.50	18.71	19.79	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	03/05/2007 ⁷	38.50	16.27	22.23	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	<50	-	-	-	-	-	-	-	-	-
C-5	06/04/2007 ¹²	38.50	16.27	22.23	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	09/07/2007 ¹²	38.50	18.91	19.59	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	12/06/2007 ¹²	38.50	19.35	19.15	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	03/06/2008 ⁷	38.50	15.84	22.66	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.7	<50	-	-	-	-	-	-	-	-	-
C-5	06/05/2008 ¹²	38.50	17.41	21.09	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	09/03/2008 ¹²	38.50	19.31	19.19	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	12/03/2008 ¹²	38.50	20.41	18.09	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	03/04/2009	38.50	16.41	22.09	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	<50	-	-	-	-	-	-	-	-	-
C-5	06/09/2009 ⁷	38.50	18.33	12.17	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	09/30/2009 ⁷	38.50	19.95	18.55	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	03/22/2010 ⁷	38.50	16.34	22.16	0.00	0.00	<50	1	<0.5	<0.5	<0.5	3	<50	-	-	-	-	-	-	-	-	-

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-5	09/16/2010 ¹²	38.50	19.20	19.30	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	03/08/2011 ¹²	38.50	16.80	21.70	0.00	0.00	110	3	<0.5	2	2	3	<50	-	-	-	-	-	-	-	-	-
C-5	09/28/2011 ¹²	38.50	9.41	29.09	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	03/08/2012 ¹²	38.50	20.00	18.50	0.00	0.00	96 J	10	0.7 J	3	3	34	<50	-	-	-	-	-	-	-	-	-
C-5	09/20/2012 ¹²	38.50	20.22	18.28	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	03/20/2013	38.50	18.23	20.27	0.00	0.00	<50	6	<0.5	1	<0.5	13	<50	-	-	-	-	-	-	-	-	-
C-5	09/18/2013 ¹²	38.50	20.29	18.21	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	03/13/2014 ¹²	38.50	20.26	18.24	0.00	0.00	64 J	4	<0.5	0.5 J	<0.5	4	<50	-	-	-	-	-	-	-	-	-
C-5	09/25/2014 ¹²	38.50	21.09	17.41	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	03/10/2015	41.11	20.35	20.76	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	9	<50	-	-	-	-	-	-	-	-	-
C-5	06/19/2015	41.11	20.63	20.48	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	09/15/2015	41.11	21.30	19.81	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	12/22/2015 ¹⁵	41.11	21.04	20.07	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-5	03/08/2016	41.11	18.98	22.13	0.00	0.00	81 J	3	<0.5	0.7 J	<0.5	6	<50	-	-	-	-	-	-	-	-	-
C-6	08/27/1990	32.40	44.11	-11.71	0.00	0.00	7,200	2,100	6.0	41	300	-	-	-	-	-	-	-	-	-	-	-
C-6	11/14/1990	32.40	44.03	-11.63	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-6	06/18/1991	32.40	43.49	-11.09	0.00	0.00	4,400	2,500	18	160	77	-	-	-	-	-	-	-	-	-	-	-
C-6	09/19/1991	32.40	34.32	-1.92	0.00	0.00	3,100	1,600	8.3	73	8.0	-	-	-	-	-	-	-	-	-	-	-
C-6	12/20/1991	32.40	41.35	-8.95	0.00	0.00	4,400	1,300	3.2	74	10	-	-	-	-	-	-	-	-	-	-	-

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-6	03/18/1992	32.40	40.69	-8.29	0.00	0.00	9,800	3,200	34	250	500	-	-	-	-	-	-	-	-	-	-	-
C-6	07/14/1992	32.40	38.89	-6.49	0.00	0.00	6,500	2,200	100	96	240	-	-	-	-	-	-	-	-	-	-	-
C-6	10/08/1992	32.40	38.67	-6.27	0.00	0.00	1,800	1,000	3.1	15	41	-	-	-	-	-	-	-	-	-	-	-
C-6	01/08/1993	32.40	37.81	-5.41	0.00	0.00	5,200	1,600	6.8	63	120	-	-	-	-	-	-	-	-	-	-	-
C-6	04/14/1993	32.40	34.70	-2.30	0.00	0.00	11,000	1,800	13	110	200	-	-	-	-	-	-	-	-	-	-	-
C-6	07/16/1993	32.40	33.87	-1.47	0.00	0.00	4,800	820	10	41	57	-	-	-	-	-	-	-	-	-	-	-
C-6	09/21/1993	35.40	33.98	1.42	0.00	0.00	4,100	1,200	<50	75	130	-	-	-	-	-	-	-	-	-	-	-
C-6	01/28/1994	35.40	33.86	1.54	0.00	0.00	3,100	930	14	40	34	-	-	-	-	-	-	-	-	-	-	-
C-6	03/17/1994	35.40	32.31	3.09	0.00	0.00	5,100	950	18	61	83	-	-	-	-	-	-	-	-	-	-	-
C-6	06/16/1994	35.40	31.50	3.90	0.00	0.00	3,800	970	6.4	52	62	-	-	-	-	-	-	-	-	-	-	-
C-6	09/22/1994	35.40	31.22	4.18	0.00	0.00	4,100	980	7.8	43	48	-	-	-	-	-	-	-	-	-	-	-
C-6	12/15/1994	35.40	31.40	4.00	0.00	0.00	5,000	1,400	<20	73	61	-	-	-	-	-	-	-	-	-	-	-
C-6	03/30/1995	35.40	26.38	9.02	0.00	0.00	5,500	1,700	<13	120	97	-	-	-	-	-	-	-	-	-	-	-
C-6	06/20/1995	35.40	25.01	10.39	0.00	0.00	1,700	470	<10	29	16	-	-	-	-	-	-	-	-	-	-	-
C-6	09/20/1995	35.40	24.05	11.35	0.00	0.00	3,500	770	<5.0	45	17	-	-	-	-	-	-	-	-	-	-	-
C-6	12/06/1995	35.40	28.12	7.28	0.00	0.00	3,100	710	<10	41	20	<50	-	-	-	-	-	-	-	-	-	-
C-6	03/21/1996	35.40	23.12	12.28	0.00	0.00	1,400	330	<2.5	15	8.1	19	-	-	-	-	-	-	-	-	-	-
C-6	06/21/1996	35.40	23.50	11.90	0.00	0.00	2,200	560	<5.0	18	<5.0	77	-	-	-	-	-	-	-	-	-	-
C-6	09/06/1996	35.40	24.83	10.57	0.00	0.00	2,800	720	<10	13	<10	160	-	-	-	-	-	-	-	-	-	-
C-6	12/19/1996	35.40	24.50	10.90	0.00	0.00	830	320	<2.5	<2.5	<2.5	14	-	-	-	-	-	-	-	-	-	-

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-6	03/17/1997	35.40	22.59	12.81	0.00	0.00	2,200	500	<10	25	<10	<50	-	-	-	-	-	-	-	-	-	-
C-6	06/11/1997	35.40	23.76	11.64	0.00	0.00	3,000	570	<5.0	29	10	220	-	-	-	-	-	-	-	-	-	-
C-6	09/17/1997	35.40	24.74	10.66	0.00	0.00	1,400	330	<5.0	<5.0	<5.0	76	-	1.5	1.2	-57	-48	620	1.1	<1.0	18	
C-6	12/11/1997	35.40	24.65	10.75	0.00	0.00	1,600	230	<5.0	7.3	6.4	46	-	-	-	-	-	-	-	-	-	
C-6	03/12/1998	35.40	27.12	8.28	0.00	0.00	980	300	<5.0	15	12	49	-	14.1	11.3	173	174	200	0.11	14	14	
C-6	06/23/1998 ³	35.40	27.92	7.48	0.00	0.00	220	35	<0.5	2.5	1.1	<2.5	-	-	-	-	-	-	-	-	-	
C-6	09/01/1998	35.40	31.60	3.80	0.00	0.00	1,800	370	2.8	19	5	44	-	-	-	-	-	-	-	-	-	
C-6	12/30/1998	35.40	31.82	3.58	0.00	0.00	1,600	244	<1.0	8.53	<1.0	54.9	-	-	-	-	-	-	-	-	-	
C-6	03/31/1999	35.40	26.06	9.34	0.00	0.00	741	92.2	<1.0	6.60	<1.0	27.9	-	9.8	8.4	162	168	534	<500 ¹⁴	0.849	45.3	
C-6	06/14/1999 ¹	35.40	29.68	5.72	0.00	0.00	434	110	<1.0	5.76	1.46	13/6.96 ²	-	-	-	-	-	-	-	-	-	
C-6	09/30/1999	35.40	23.06	12.34	0.00	0.00	481	92.7	<1.0	3.69	<1.0	32.9	-	-	-	-	-	-	-	-	-	
C-6	12/22/1999	35.40	22.55	12.85	0.00	0.00	1,310	158	2.16	5.5	1.41	113	-	1.02	1.22	-65	-60	614	0.36	0.421	32	
C-6	03/09/2000	35.40	20.03	15.37	0.00	0.00	470	120	0.74	5.0	2.5	36	-	5.4	1.6	-113	-35	540	0.26	0.14	24	
C-6	06/23/2000 ³	35.40	22.15	13.25	0.00	0.00	1,700 ⁴	210	<5.0	<5.0	5.8	64	-	-	-	-	-	-	-	-	-	
C-6	09/05/2000 ³	35.40	27.05	8.35	0.00	0.00	740 ⁴	99	0.60	5.1	2.2	80	-	1.90	2.73	45	31	550	0.18	<1.0	38	
C-6	12/04/2000	35.40	25.15	10.25	0.00	0.00	450 ⁴	31	0.71	<0.50	<0.50	54	-	-	-	-	-	-	-	-	-	
C-6	03/08/2001 ³	35.40	23.84	11.56	0.00	0.00	1,550	228	3.93	19.9	32.5	46.2	-	-	-	-	-	-	-	-	-	
C-6	06/07/2001 ³	35.40	25.73	9.67	0.00	0.00	360 ⁴	21	1.8	2.4	3.8	100	-	-	-	-	-	-	-	-	-	
C-6	09/13/2001 ³	35.40	23.80	11.60	0.00	0.00	950	180	<5.0	5.9	<5.0	170	-	-	-	-	-	-	-	-	-	
C-6	12/13/2001 ³	35.40	25.19	10.21	0.00	0.00	2,000	170	0.86	6.4	4.1	77	-	-	-	-	-	-	-	-	-	

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-6	03/08/2002 ³	35.40	21.08	14.32	0.00	0.00	600	33	0.91	1.8	<1.5	90	-	-	-	-	-	-	-	-	-	-
C-6	06/19/2002 ³	35.40	24.62	10.78	0.00	0.00	370	11	<0.50	<0.50	<1.5	88	-	-	-	-	-	-	-	-	-	-
C-6	09/11/2002 ³	35.40	29.00	6.40	0.00	0.00	490	16	0.50	<0.50	<1.5	120	-	-	-	-	-	-	-	-	-	-
C-6	12/11/2002 ³	35.40	24.18	11.22	0.00	0.00	430	17	<0.50	<0.50	<1.5	100	-	-	-	-	-	-	-	-	-	-
C-6	03/11/2003 ³	35.40	27.70	7.70	0.00	0.00	410	8.8	0.88	<0.50	<1.5	120	-	-	-	-	-	-	-	-	-	-
C-6	06/10/2003 ^{3,7}	35.40	21.60	13.80	0.00	0.00	460	10	<0.5	<0.5	<0.5	100	-	-	-	-	-	-	-	-	-	-
C-6	09/09/2003 ¹³	35.40	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-6	12/09/2003 ^{7,9}	35.40	25.89	9.51	0.00	0.00	1,700	69	<0.5	3	0.6	83	<50	-	-	-	-	-	-	-	-	-
C-6	03/09/2004 ⁷	35.40	19.51	15.89	0.00	0.00	6,800	280	1	10	4	96	<50	-	-	-	-	-	-	-	-	-
C-6	06/08/2004 ⁷	35.40	20.83	14.57	0.00	0.00	560	13	<0.5	<0.5	0.5	68	<50	-	-	-	-	-	-	-	-	-
C-6	09/08/2004 ⁷	35.40	21.88	13.52	0.00	0.00	290	16	<0.5	<0.5	<0.5	50	<50	-	-	-	-	-	-	-	-	-
C-6	12/06/2004 ⁷	35.40	21.34	14.06	0.00	0.00	290	18	<0.5	0.5	<0.5	44	<50	-	-	-	-	-	-	-	-	-
C-6	03/07/2005 ⁷	35.40	18.27	17.13	0.00	0.00	2,500	150	0.7	5	2	71	<50	-	-	-	-	-	-	-	-	-
C-6	06/06/2005 ⁷	35.40	18.52	16.88	0.00	0.00	1,900	110	<1	3	2	59	<100	-	-	-	-	-	-	-	-	-
C-6	09/06/2005 ⁷	35.40	20.38	15.02	0.00	0.00	800	16	<0.5	0.5	0.6	51	<50	-	-	-	-	-	-	-	-	-
C-6	12/05/2005 ⁷	35.40	20.06	15.34	0.00	0.00	540	15	<0.5	<0.5	0.6	45	<50	-	-	-	-	-	-	-	-	-
C-6	03/06/2006 ⁷	35.40	18.76	16.64	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-6	06/05/2006 ⁷	35.40	17.80	17.60	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.7	<50	-	-	-	-	-	-	-	-	-
C-6	09/05/2006 ⁷	35.40	20.00	15.40	0.00	0.00	1,200	17	<0.5	0.7	0.8	29	<50	-	-	-	-	-	-	-	-	-
C-6	12/04/2006 ⁷	35.40	20.91	14.49	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-

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CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-6	03/05/2007 ⁷	35.40	18.95	16.45	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-6	06/04/2007 ⁷	35.40	18.36	17.04	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	3	<50	-	-	-	-	-	-	-	-	-
C-6	09/07/2007 ⁷	35.40	21.05	14.35	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-6	12/06/2007 ⁷	35.40	21.87	13.53	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-6	03/06/2008 ⁷	35.40	21.68	13.72	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-6	06/05/2008 ⁷	35.40	21.25	14.15	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	<50	-	-	-	-	-	-	-	-	-
C-6	09/03/2008 ⁷	35.40	21.40	14.00	0.00	0.00	56	0.8	<0.5	<0.5	<0.5	5	<50	-	-	-	-	-	-	-	-	-
C-6	12/03/2008 ⁷	35.40	22.18	13.22	0.00	0.00	120	2	<0.5	<0.5	<0.5	5	<50	-	-	-	-	-	-	-	-	-
C-6	03/04/2009	25.40	21.82	13.58	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	12	<50	-	-	-	-	-	-	-	-	-
C-6	06/09/2009 ⁷	35.40	20.33	25.07	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	<50	-	-	-	-	-	-	-	-	-
C-6	09/30/2009 ⁷	35.40	21.72	13.68	0.00	0.00	790 J	1	<0.5	<0.5	<0.5	8	<50	-	-	-	-	-	-	-	-	-
C-6	03/22/2010 ⁷	35.40	18.30	17.10	0.00	0.00	270	<0.5	<0.5	<0.5	<0.5	8	<50	-	-	-	-	-	-	-	-	-
C-6	09/16/2010	35.40	20.92	14.48	0.00	0.00	210	<0.5	<0.5	<0.5	<0.5	5	<50	-	-	-	-	-	-	-	-	-
C-6	03/08/2011	35.40	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-6	09/28/2011	35.40	20.69	14.71	0.00	0.00	59 J	<0.5	<0.5	<0.5	<0.5	4	<50	-	-	-	-	-	-	-	-	-
C-6	03/08/2012	35.40	21.23	14.17	0.00	0.00	1,700	2	<0.5	<0.5	0.8 J	6	<50	-	-	-	-	-	-	-	-	-
C-6	09/20/2012	35.40	21.76	13.64	0.00	0.00	2,700	2	<0.5	<0.5	<0.5	10	<50	-	-	-	-	-	-	-	-	-
C-6	03/20/2013	35.40	19.79	15.61	0.00	0.00	120	<0.5	<0.5	<0.5	<0.5	3	<50	-	-	-	-	-	-	-	-	-
C-6	09/18/2013	35.40	21.68	13.72	0.00	0.00	1,700	1	<0.5	<0.5	<0.5	7	<50	-	-	-	-	-	-	-	-	-
C-6	03/13/2014	35.40	21.10	14.30	0.00	0.00	120	<0.5	<0.5	<0.5	<0.5	4	<50	-	-	-	-	-	-	-	-	-

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-6	09/25/2014	35.40	22.67	12.73	0.00	0.00	100	<0.5	<0.5	<0.5	<0.5	4	<50	-	-	-	-	-	-	-	-	-
C-6	03/10/2015	37.94	21.81	16.13	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-6	06/19/2015	37.94	22.36	15.58	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-6	09/15/2015	37.94	23.18	14.76	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-6	12/22/2015	37.94	22.78	15.16	0.00	0.00	62 J	<0.5	<0.5	<0.5	<0.5	3	<50	-	-	-	-	-	-	-	-	-
C-6	03/08/2016	37.94	20.54	17.40	0.00	0.00	180	<0.5	<0.5	<0.5	<0.5	3	<50	-	-	-	-	-	-	-	-	-
C-7	08/27/1990	32.17	44.23	-12.06	0.00	0.00	110	26	0.8	4.0	6.0	-	-	-	-	-	-	-	-	-	-	-
C-7	11/14/1990	32.17	44.11	-11.94	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-7	06/18/1991	32.17	42.05	-9.88	0.00	0.00	23,000	5,700	420	1,000	2,800	-	-	-	-	-	-	-	-	-	-	-
C-7	09/19/1991	32.17	41.72	-9.55	0.00	0.00	26,000	4,600	330	970	2,400	-	-	-	-	-	-	-	-	-	-	-
C-7	12/20/1991	32.17	41.67	-9.50	0.00	0.00	33,000	5,500	270	1,000	2,100	-	-	-	-	-	-	-	-	-	-	-
C-7	03/18/1992	32.17	41.20	-9.03	0.00	0.00	27,000	5,800	410	1,300	3,300	-	-	-	-	-	-	-	-	-	-	-
C-7	07/14/1992	32.17	39.77	-7.60	0.00	0.00	46,000	12,000	720	1,700	4,600	-	-	-	-	-	-	-	-	-	-	-
C-7	10/08/1992	32.17	39.14	-6.97	0.00	0.00	22,000	6,800	370	1,300	3,200	-	-	-	-	-	-	-	-	-	-	-
C-7	01/08/1993	32.17	38.50	-6.33	0.00	0.00	36,000	7,600	540	1,700	4,200	-	-	-	-	-	-	-	-	-	-	-
C-7	04/14/1993	32.17	35.93	-3.76	0.00	0.00	23,000	3,100	450	670	1,900	-	-	-	-	-	-	-	-	-	-	-
C-7	07/16/1993	32.17	35.38	-3.21	0.00	0.00	19,000	3,200	330	550	1,800	-	-	-	-	-	-	-	-	-	-	-
C-7	09/21/1993	35.19	35.46	-0.27	0.00	0.00	17,000	2,700	160	410	760	-	-	-	-	-	-	-	-	-	-	-
C-7	01/28/1994	35.19	35.45	-0.26	0.00	0.00	14,000	1,800	210	390	1,000	-	-	-	-	-	-	-	-	-	-	-

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-7	03/17/1994	35.19	33.24	1.95	0.00	0.00	17,000	1,600	210	410	1,200	-	-	-	-	-	-	-	-	-	-	-
C-7	06/16/1994	35.19	33.07	2.12	0.00	0.00	12,000	1,600	180	410	1,200	-	-	-	-	-	-	-	-	-	-	-
C-7	09/22/1994	35.19	32.74	2.45	0.00	0.00	10,000	1,700	110	320	580	-	-	-	-	-	-	-	-	-	-	-
C-7	12/15/1994	35.19	31.92	3.27	0.00	0.00	10,000	1,200	120	280	710	-	-	-	-	-	-	-	-	-	-	-
C-7	03/30/1995	35.19	27.60	7.59	0.00	0.00	4,600	460	73	160	460	-	-	-	-	-	-	-	-	-	-	-
C-7	06/20/1995	35.19	27.87	7.32	0.00	0.00	26,000	4,400	450	900	2,400	-	-	-	-	-	-	-	-	-	-	-
C-7	09/20/1995	35.19	28.08	7.11	0.00	0.00	9,400	610	81	250	800	-	-	-	-	-	-	-	-	-	-	-
C-7	12/06/1995	35.19	30.62	4.57	0.00	0.00	1,200	110	12	25	71	34	-	-	-	-	-	-	-	-	-	-
C-7	03/21/1996	35.19	27.85	7.34	0.00	0.00	17,000	1,300	160	410	1,300	<100	-	-	-	-	-	-	-	-	-	-
C-7	09/06/1996	35.19	28.35	6.84	0.00	0.00	15,000	3,400	<50	460	850	<250	-	-	-	-	-	-	-	-	-	-
C-7	12/19/1996	35.19	29.11	6.08	0.00	0.00	530	9	0.5	0.85	3.4	<2.5	-	-	-	-	-	-	-	-	-	-
C-7	03/17/1997	35.19	27.14	8.05	0.00	0.00	4,600	310	46	110	310	98	-	-	-	-	-	-	-	-	-	-
C-7	06/11/1997	35.19	28.05	7.14	0.00	0.00	420	15	<0.5	3.3	5.1	<2.5	-	-	-	-	-	-	-	-	-	-
C-7	09/17/1997	35.19	29.00	6.19	0.00	0.00	1,400	120	11	31	84	54	-	0.6	0.4	126	115	600	4.8	<1.0	18	
C-7	12/11/1997	35.19	29.26	5.93	0.00	0.00	210	10	<0.5	0.97	1.6	<2.5	-	-	-	-	-	-	-	-	-	-
C-7	03/12/1998	35.19	24.92	10.27	0.00	0.00	68	<0.5	<0.5	<0.5	<0.5	<2.5	-	2.2	2.1	167	167	460	0.16	<1.0	29	
C-7	06/23/1998	35.19	25.30	9.89	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-
C-7	09/01/1998	35.19	26.27	8.92	0.00	0.00	570	24	1.4	8.4	22	24	-	-	-	-	-	-	-	-	-	-
C-7	12/30/1998	35.19	26.52	8.67	0.00	0.00	<50	4.85	1.26	<0.5	1.29	167	-	-	-	-	-	-	-	-	-	-
C-7	03/31/1999	35.19	24.76	10.43	0.00	0.00	53.1	<0.5	<0.5	<0.5	<0.5	<2.0	-	2.0	1.8	137	135	486	<500 ¹⁴	<0.1	29.4	

TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-7	06/14/1999 ¹	35.19	25.44	9.75	0.00	0.00	109	4.43	<0.5	<0.5	<0.5	<2.5/<2.0 ²	-	-	-	-	-	-	-	-	-	-
C-7	09/30/1999	35.19	26.87	8.32	0.00	0.00	2,400	282	26.3	120	236	126	-	-	-	-	-	-	-	-	-	-
C-7	12/22/1999	35.19	27.77	7.42	0.00	0.00	3,840	162	18.1	44.7	85.3	141	-	1.8	1.5	20	-60	400	1.6	0.434	16.9	
C-7	03/09/2000	35.19	25.57	9.62	0.00	0.00	13,000	2,700	110	700	1,500	<130	-	0.7	2.5	10	-13	610	2.1	<0.1	5.5	
C-7	06/23/2000	35.19	25.66	9.53	0.00	0.00	190 ⁴	3.4	<0.50	<0.50	1.6	7.3	-	-	-	-	-	-	-	-	-	-
C-7	09/05/2000	35.19	26.75	8.44	0.00	0.00	4,200 ⁴	330	26	120	200	190	-	1.77	1.46	133	46	590	1.8	<1.0	12	
C-7	12/04/2000	35.19	27.16	8.03	0.00	0.00	2,600 ⁴	550	<5.0	73	62	<25	-	-	-	-	-	-	-	-	-	-
C-7	03/08/2001	35.19	25.43	9.76	0.00	0.00	1,180	39.2	2.41	15.5	30.8	10.3	-	-	-	-	-	-	-	-	-	-
C-7	06/07/2001	35.19	25.39	9.80	0.00	0.00	2,600 ⁴	440	14	110	130	56	-	-	-	-	-	-	-	-	-	-
C-7	09/13/2001	35.19	26.61	8.58	0.00	0.00	23,000 ⁶	670	<100	150	210	<500	-	-	-	-	-	-	-	-	-	-
C-7	12/13/2001	35.19	26.69	8.50	0.00	0.00	2,400	160	5.8	42	54	<10	-	-	-	-	-	-	-	-	-	-
C-7	03/08/2002	35.19	24.80	10.39	0.00	0.00	3,900	380	21	110	160	<20	-	-	-	-	-	-	-	-	-	-
C-7	06/19/2002	35.19	27.41	7.78	0.00	0.00	3,600	440	8.5	87	73	<10	-	-	-	-	-	-	-	-	-	-
C-7	09/11/2002	35.19	25.78	9.41	0.00	0.00	11,000	1,800	18	360	380	<10	-	-	-	-	-	-	-	-	-	-
C-7	12/11/2002	35.19	30.75	4.44	0.00	0.00	6,000	1,100	9.3	190	190	<10	-	-	-	-	-	-	-	-	-	-
C-7	03/11/2003	35.19	26.90	8.29	0.00	0.00	4,900	940	13	150	160	<25	-	-	-	-	-	-	-	-	-	-
C-7	06/10/2003 ⁷	35.19	30.91	4.28	0.00	0.00	3,100	500	7	83	77	4	-	-	-	-	-	-	-	-	-	-
C-7	09/09/2003 ⁷	35.19	31.81	3.38	0.00	0.00	3,900	310	9	110	130	5	<50	-	-	-	-	-	-	-	-	-
C-7	12/09/2003 ⁷	35.19	28.45	6.74	0.00	0.00	170	0.8	<0.5	<0.5	<0.5	5	<50	-	-	-	-	-	-	-	-	-
C-7	03/09/2004 ⁷	35.19	24.46	10.73	0.00	0.00	80	<0.5	<0.5	<0.5	<0.5	4	<50	-	-	-	-	-	-	-	-	-

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

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

**TABLE 2
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CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-7	06/09/2009 ⁷	35.19	23.45	11.74	0.00	0.00	3,300 J	12	3	60	120	11	<50	-	-	-	-	-	-	-	-	-
C-7	09/30/2009 ⁷	35.19	24.85	10.34	0.00	0.00	260	<0.5	<0.5	<0.5	<0.5	13	<50	-	-	-	-	-	-	-	-	-
C-7	03/22/2010 ⁷	35.19	22.39	12.80	0.00	0.00	2,800	150	4	79	120	11	<50	-	-	-	-	-	-	-	-	-
C-7	09/16/2010	35.19	24.00	11.19	0.00	0.00	1,900	30	1	28	55	9	<50	-	-	-	-	-	-	-	-	-
C-7	03/08/2011	35.19	21.16	14.03	0.00	0.00	4,200	620	5	190	140	5	<100	-	-	-	-	-	-	-	-	-
C-7	09/28/2011	35.19	23.81	11.38	0.00	0.00	4,500	670	5	170	110	5	<100	-	-	-	-	-	-	-	-	-
C-7	03/08/2012	35.19	24.00	11.19	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	7	<50	-	-	-	-	-	-	-	-	-
C-7	09/20/2012	35.19	24.72	10.47	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	8	<50	-	-	-	-	-	-	-	-	-
C-7	03/20/2013	35.19	23.59	11.60	0.00	0.00	1,700	24	2	37	76	8	<50	-	-	-	-	-	-	-	-	-
C-7	09/18/2013	35.19	25.00	10.19	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	9	<50	-	-	-	-	-	-	-	-	-
C-7	03/13/2014	35.19	24.90	10.29	0.00	0.00	2,700	38	0.6 J	19	19	9	<50	-	-	-	-	-	-	-	-	-
C-7	09/25/2014	35.19	25.75	9.44	0.00	0.00	1,300	15	0.5 J	15	27	8	<50	-	-	-	-	-	-	-	-	-
C-7	03/10/2015 ¹³	35.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-7	06/19/2015 ¹³	35.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-7	09/15/2015 ¹³	35.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-7	12/22/2015 ¹³	35.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-7	03/08/2016¹³	35.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	11/14/1990	30.68	43.29	-12.61	0.00	0.00	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-	-	-	-
C-8	06/18/1991	30.68	42.62	-11.94	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, pre-purge	Dissolved oxygen, post-purge	Oxidation reduction potential, pre-purge	Oxidation reduction potential, post-purge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-8	09/19/1991	30.68	41.72	-11.04	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-8	12/20/1991	30.68	40.98	-10.30	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-8	03/18/1992	30.68	40.02	-9.34	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-8	07/14/1992	30.68	39.02	-8.34	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-8	10/08/1992	30.68	38.68	-8.00	0.00	0.00	<50	<0.5	<0.5	<0.5	1.1	-	-	-	-	-	-	-	-	-	-	-
C-8	01/08/1993	30.68	38.07	-7.39	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-8	04/14/1993	30.68	35.99	-5.31	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-8	07/16/1993	30.68	35.32	-4.64	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-8	09/21/1993	34.68	35.30	-0.62	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.8	-	-	-	-	-	-	-	-	-	-	-
C-8	01/28/1994	34.68	35.61	-0.93	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-8	03/17/1994	34.68	34.37	0.31	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-8	06/16/1994	34.68	33.36	1.32	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-8	09/22/1994	34.68	32.82	1.86	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-8	12/15/1994	34.68	32.36	2.32	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-8	03/30/1995	34.68	29.24	5.44	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-8	06/20/1995	34.68	28.34	6.34	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-8	09/20/1995	34.68	29.48	5.20	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
C-8	12/06/1995	34.68	30.92	3.76	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-
C-8	03/21/1996	34.68	28.65	6.03	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-
C-8	06/21/1996	34.68	27.90	6.78	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-8	09/06/1996	34.68	28.70	5.98	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-
C-8	12/19/1996	34.68	29.70	4.98	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-
C-8	03/17/1997	34.68	27.76	6.92	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-
C-8	06/11/1997	34.68	28.81	5.87	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-
C-8	09/17/1997 ¹²	34.68	29.36	5.32	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	12/11/1997	34.68	29.80	4.88	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	03/12/1998	34.68	25.73	8.95	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2.6	-	1.0	1.1	171	169	110	0.16	7.4	8.2	
C-8	06/23/1998	34.68	26.30	8.38	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	09/01/1998	34.68	26.51	8.17	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	12/30/1998	34.68	26.89	7.79	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	03/31/1999	34.68	26.36	8.32	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	11.8	-	1.8	1.5	149	132	264	<500 ¹⁴	17	71	
C-8	06/14/1999	34.68	26.03	8.65	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	09/30/1999	34.68	27.28	7.40	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	12/22/1999	34.68	28.20	6.48	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	03/09/2000	34.68	26.33	8.35	0.00	0.00	<50	<0.5	<0.5	<0.5	1.8	<2.5	-	2.7	3.3	141	160	270	0.24	29	35	
C-8	06/23/2000 ¹²	34.68	26.19	8.49	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	09/05/2000	34.68	26.97	7.71	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	12/04/2000	34.68	27.42	7.26	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	03/08/2001	34.68	26.10	8.58	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	-	-	-	-	-	-	-	-	-	-
C-8	06/07/2001 ¹²	34.68	25.79	8.89	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-8	09/13/2001 ¹²	34.68	26.81	7.87	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	12/13/2001 ¹²	34.68	27.16	7.52	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	03/08/2002	34.68	25.30	9.38	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-	-	-	-
C-8	06/19/2002 ¹²	34.68	24.93	9.75	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	09/11/2002 ¹²	34.68	25.92	8.76	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	12/11/2002 ¹²	34.68	27.31	7.37	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	03/11/2003	34.68	25.79	8.89	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-	-	-	-
C-8	06/10/2003 ¹²	34.68	25.28	9.40	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	09/09/2003 ¹²	34.68	26.11	8.57	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	12/09/2003 ¹²	34.68	28.51	6.17	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	03/09/2004 ⁷	34.68	23.98	10.70	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-8	06/08/2004 ¹²	34.68	25.27	9.41	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	09/08/2004 ¹²	34.68	25.83	8.85	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	12/06/2004 ¹²	34.68	25.06	9.62	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	03/07/2005 ⁷	34.68	23.35	11.33	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-8	06/06/2005 ¹²	34.68	22.84	11.84	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	09/06/2005 ¹²	34.68	24.91	9.77	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	12/05/2005 ¹²	34.68	24.16	10.52	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	03/06/2006 ⁷	34.68	22.55	12.13	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-8	06/05/2006 ¹²	34.68	21.60	13.08	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-8	09/05/2006 ¹²	34.68	23.75	10.93	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	12/04/2006 ¹²	34.68	23.97	10.71	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	03/05/2007 ⁷	34.68	23.05	11.63	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-8	06/04/2007 ¹²	34.68	22.11	12.57	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	09/07/2007 ¹²	34.68	24.07	10.61	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	12/06/2007 ¹²	34.68	24.38	10.30	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	03/06/2008 ⁷	34.68	23.36	11.32	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-8	06/05/2008 ¹²	34.68	23.06	11.62	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	09/03/2008 ¹²	34.68	24.93	9.75	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	12/03/2008 ¹²	34.68	25.70	8.98	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	03/04/2009	34.68	23.98	10.70	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-8	06/09/2009 ¹²	34.68	23.85	12.83	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	09/30/2009 ¹²	34.68	25.40	9.28	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	03/22/2010	34.68	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	09/16/2010 ¹²	34.68	24.34	10.34	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	03/08/2011 ¹²	34.68	21.42	13.26	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-8	09/28/2011 ¹²	34.68	23.27	11.41	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	03/08/2012 ¹²	34.68	24.22	10.46	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-8	09/20/2012 ¹²	34.68	25.01	9.67	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	03/20/2013	34.68	23.93	10.75	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY					
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate		
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L	
C-8	09/18/2013 ¹²	34.68	25.19	9.49	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	03/13/2014 ¹²	34.68	25.01	9.67	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-	-
C-8	09/25/2014 ¹²	34.68	25.87	8.81	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	03/10/2015	37.22	25.06	12.16	0.00	0.00	<50	1	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-	-
C-8	06/19/2015	37.22	25.03	12.19	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	09/15/2015	37.22	26.11	11.11	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	12/22/2015 ¹⁵	37.22	26.78	10.44	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-8	03/08/2016	37.22	25.23	11.99	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-	-
C-9	08/13/1996	-	28.27	-	0.00	0.00	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	-	-	-	-
C-9	09/06/1996	-	28.47	-	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-
C-9	12/19/1996	30.68	29.29	1.39	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-
C-9	03/17/1997	30.68	27.57	3.11	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-
C-9	06/11/1997	30.68	28.27	2.41	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-	-
C-9	09/17/1997 ¹²	30.68	28.63	2.05	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	12/11/1997	30.68	29.43	1.25	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	03/12/1998	30.68	25.62	5.06	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	2.5	2.5	172	168	230	0.048	59	58	-	-
C-9	06/23/1998	30.68	26.15	4.53	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	09/01/1998	30.68	26.38	4.30	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	12/30/1998	30.68	26.75	3.93	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

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

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

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

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-9	03/04/2009	-- ¹⁰	23.92	-- ¹⁰	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-9	06/09/2009 ¹²	-- ¹⁰	23.68	-- ¹⁰	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	09/30/2009 ¹²	-- ¹⁰	25.41	-- ¹⁰	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	03/22/2010 ⁷	-- ¹⁰	22.37	-- ¹⁰	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-9	09/16/2010 ¹²	-- ¹⁰	24.30	-- ¹⁰	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	03/08/2011 ¹²	-- ¹⁰	21.71	-- ¹⁰	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-9	09/28/2011 ¹²	-- ¹⁰	23.36	-- ¹⁰	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	03/08/2012 ¹²	-- ¹⁰	24.44	-- ¹⁰	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-9	09/20/2012 ¹²	-- ¹⁰	24.92	-- ¹⁰	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	03/20/2013	-- ¹⁰	23.36	-- ¹⁰	0.00	0.00	190	7	<0.5	2	2	<0.5	<50	-	-	-	-	-	-	-	-	-
C-9	09/18/2013 ¹²	-- ¹⁰	25.37	-- ¹⁰	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	03/13/2014 ¹²	-- ¹⁰	24.82	-- ¹⁰	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-9	09/25/2014 ¹²	-- ¹⁰	25.92	-- ¹⁰	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	03/10/2015 ¹³	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	06/19/2015 ¹³	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	09/15/2015 ¹³	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	12/22/2015 ¹³	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-9	03/08/2016¹³	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-10	09/09/2003 ^{7,8}	-	17.18	-	0.00	0.00	<50	<0.5	<0.5	<0.5	0.5	14	<50	-	-	-	-	-	-	-	-	-

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CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-10	12/09/2003 ⁷	-	14.24	-	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	<50	-	-	-	-	-	-	-	-	-
C-10	03/09/2004 ⁷	38.37	9.70	28.67	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	15	<50	-	-	-	-	-	-	-	-	-
C-10	06/08/2004 ⁷	38.37	11.70	26.67	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	44	<50	-	-	-	-	-	-	-	-	-
C-10	09/08/2004 ⁷	38.37	13.00	25.37	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	<50	-	-	-	-	-	-	-	-	-
C-10	12/06/2004 ⁷	38.37	12.53	25.84	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	3	<50	-	-	-	-	-	-	-	-	-
C-10	03/07/2005 ⁷	38.38	7.84	30.54	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	140	<50	-	-	-	-	-	-	-	-	-
C-10	06/06/2005 ⁷	38.38	9.62	28.76	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	390	<50	-	-	-	-	-	-	-	-	-
C-10	09/06/2005 ⁷	38.39	11.58	26.81	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	190	<50	-	-	-	-	-	-	-	-	-
C-10	12/05/2005 ⁷	38.39	10.88	27.51	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	67	<50	-	-	-	-	-	-	-	-	-
C-10	03/06/2006 ⁷	38.39	7.37	31.02	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	280	<50	-	-	-	-	-	-	-	-	-
C-10	06/05/2006 ⁷	38.39	9.25	29.14	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	280	<50	-	-	-	-	-	-	-	-	-
C-10	09/05/2006 ⁷	38.39	10.38	28.01	0.00	0.00	<50	3	3	2	16	63	<50	-	-	-	-	-	-	-	-	-
C-10	12/04/2006 ⁷	38.39	10.65	27.74	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	93	<50	-	-	-	-	-	-	-	-	-
C-10	03/05/2007 ⁷	38.39	8.97	29.42	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	100	<50	-	-	-	-	-	-	-	-	-
C-10	06/04/2007 ⁷	38.39	9.80	28.59	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	48	<50	-	-	-	-	-	-	-	-	-
C-10	09/07/2007 ⁷	38.39	11.20	27.19	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	18	<50	-	-	-	-	-	-	-	-	-
C-10	12/06/2007 ⁷	38.39	10.53	27.86	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	19	<50	-	-	-	-	-	-	-	-	-
C-10	03/06/2008 ⁷	38.39	8.75	29.64	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	43	<50	-	-	-	-	-	-	-	-	-
C-10	06/05/2008 ⁷	38.39	9.95	28.44	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	25	<50	-	-	-	-	-	-	-	-	-
C-10	09/03/2008 ⁷	38.39	11.41	26.98	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	12	<50	-	-	-	-	-	-	-	-	-

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-10	12/03/2008 ⁷	38.39	11.26	27.13	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	8	<50	-	-	-	-	-	-	-	-	-
C-10	03/04/2009	38.39	7.16	31.23	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	6	<50	-	-	-	-	-	-	-	-	-
C-10	06/09/2009 ⁷	38.39	9.66	28.73	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	30	<50	-	-	-	-	-	-	-	-	-
C-10	09/30/2009 ⁷	38.39	10.92	27.47	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	9	<50	-	-	-	-	-	-	-	-	-
C-10	03/22/2010 ⁷	38.39	7.47	30.92	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	17	<50	-	-	-	-	-	-	-	-	-
C-10	09/16/2010	38.39	10.17	28.22	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	12	<50	-	-	-	-	-	-	-	-	-
C-10	03/08/2011	38.39	8.50	29.89	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	7	<50	-	-	-	-	-	-	-	-	-
C-10	09/28/2011	38.39	10.02	28.37	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	6	<50	-	-	-	-	-	-	-	-	-
C-10	03/08/2012	38.39	12.80	25.59	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	5	<50	-	-	-	-	-	-	-	-	-
C-10	09/20/2012	38.39	10.94	27.45	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.8 J	<50	-	-	-	-	-	-	-	-	-
C-10	03/20/2013	38.39	9.29	29.10	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	4	<50	-	-	-	-	-	-	-	-	-
C-10	09/18/2013	38.39	10.00	28.39	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-10	03/13/2014	38.39	9.10	29.29	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-10	09/25/2014	38.39	10.29	28.10	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.9 J	<50	-	-	-	-	-	-	-	-	-
C-10	03/10/2015	40.96	9.30	31.66	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	<50	-	-	-	-	-	-	-	-	-
C-10	06/19/2015	40.96	10.00	30.96	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-10	09/15/2015	40.96	10.89	30.07	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.6 J	<50	-	-	-	-	-	-	-	-	-
C-10	12/22/2015 ¹⁵	40.96	8.08	32.88	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C-10	03/08/2016	40.96	7.22	33.74	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.7 J	<50	-	-	-	-	-	-	-	-	-

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
C-11	03/10/2015	36.79	9.95	26.84	0.00	0.00	310	56	1	1	0.9 J	<0.5	<50	-	-	-	-	-	-	-	-	-
C-11	06/19/2015	36.79	12.43	24.36	0.00	0.00	1,000	180	15	34	8	<0.5	<50	-	-	-	-	-	-	-	-	-
C-11	09/15/2015	36.79	15.88	20.91	0.00	0.00	1,300	170	3	12	2	<0.5	<50	-	-	-	-	-	-	-	-	-
C-11	12/22/2015	36.79	16.58	20.21	0.00	0.00	420	15	0.5 J	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-11	03/08/2016	36.79	13.00	23.79	0.00	0.00	280	27	1	2	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-
C-13	03/08/2016	42.02	12.21	29.81	0.00	0.00	<50	<0.5	6	<0.5	1	31	<50	-	-	-	-	-	-	-	-	-
QA	12/13/2001	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-	-	-	-
QA	03/08/2002	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-	-	-	-
QA	06/19/2002	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-	-	-	-
QA	09/11/2002	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-	-	-	-
QA	12/11/2002	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-	-	-	-
QA	03/11/2003	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-	-	-	-
QA	06/10/2003 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
QA	09/09/2003 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
QA	12/09/2003 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
QA	03/09/2004 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
QA	06/08/2004 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
QA	09/08/2004 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-

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

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
QA	12/06/2004 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
QA	03/07/2005 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
QA	06/06/2005 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
QA	09/06/2005 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
QA	12/05/2005 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
QA	03/06/2006 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
QA	06/05/2006 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
QA	09/05/2006 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
QA	12/04/2006 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
QA	03/05/2007 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
QA	06/04/2007 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
QA	09/07/2007 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
QA	12/06/2007 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
QA	03/06/2008 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
QA	06/05/2008 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
QA	09/03/2008 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
QA	12/03/2008 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
QA	06/09/2009 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
QA	09/30/2009 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
QA	03/22/2010 ⁷	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY					
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate		
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
QA	09/16/2010	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-	-	-
QA	03/08/2011	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
QA	09/28/2011	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
QA	03/08/2012	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
QA	09/20/2012	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
QA	03/20/2013	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
QA	09/18/2013	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
QA	03/13/2014	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
QA	09/25/2014	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
QA	03/10/2015	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
QA	06/19/2015	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
QA	09/15/2015	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
QA	12/22/2015	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
QA	03/08/2016	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	04/28/1989	-	-	-	-	-	<500	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	08/08/1989	-	-	-	-	-	<500	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	08/27/1990	-	-	-	-	-	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	11/14/1990	-	-	-	-	-	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	06/18/1991	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-

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CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
Trip Blank	09/19/1991	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	12/20/1991	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	03/18/1992	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	07/14/1992	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	10/08/1992	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	01/08/1993	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	04/14/1993	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	07/16/1993	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	09/21/1993	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.8	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	01/28/1994	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	03/17/1994	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	06/16/1994	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	09/22/1994	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	12/15/1994	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	03/30/1995	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	06/20/1995	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	09/20/1995	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	12/06/1995	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	03/21/1996	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-
Trip Blank	06/21/1996	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	FIELD PARAMETERS				GENERAL CHEMISTRY				
							TPH-GRO	B	T	E	X	MTBE by SW8260	ETHANOL	Dissolved oxygen, prepurge	Dissolved oxygen, postpurge	Oxidation reduction potential, prepurge	Oxidation reduction potential, postpurge	Alkalinity, total (as CaCO3)	Ferrous iron	Nitrate (as N)	Sulfate	
	Units	ft	ft	ft-amsl	ft	gallons	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	millivolts	millivolts	µg/L	µg/L	µg/L	µg/L
Trip Blank	09/06/1996	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	12/19/1996	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-
Trip Blank	03/17/1997	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-
Trip Blank	06/11/1997	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-
Trip Blank	09/17/1997	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-
Trip Blank	12/11/1997	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-
Trip Blank	03/12/1998	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-
Trip Blank	06/23/1998	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-
Trip Blank	09/01/1998	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-
Trip Blank	12/30/1998	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.0	-	-	-	-	-	-	-	-	-	-
Trip Blank	03/31/1999	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.0	-	-	-	-	-	-	-	-	-	-
Trip Blank	06/14/1999	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-
Trip Blank	12/22/1999	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-	-	-
Trip Blank	06/23/2000	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-	-	-	-	-
Trip Blank	09/05/2000	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-	-	-	-	-
Trip Blank	12/04/2000	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-	-	-	-	-
Trip Blank	03/08/2001	-	-	-	-	-	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	-	-	-	-	-	-	-	-	-	-
Trip Blank	06/07/2001	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-	-	-	-	-
Trip Blank	09/13/2001	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-	-	-	-	-

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

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

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 = Xylene

MTBE = Methyl tert-butyl ether

-- = Not available or not applicable

<x = Not detected above laboratory method detection limit

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

* TOC elevation for C-10 was surveyed on September 26, 2003, by Virgil Chavez Land Surveying. The benchmark for this survey was a City of Oakland No. 1589, a cut

**TABLE 2
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

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

square in the sidewalk at the mid-return at the west corner of High Street and Foothill Blvd., (Benchmark Elevation = 38.54 feet, NGVD 29).

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

1 Confirmation run.

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

3 ORC present in well.

4 Laboratory report indicates gasoline C6-C12.

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

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

7 BTEX and MTBE by EPA Method 8260.

8 Well development performed.

9 ORC removed from well.

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

11 Laboratory confirmed result.

12 Sampled annually.

13 Inaccessible

14 Analyzed in part per billion (ppb)

15 Sampled semi-annually

TABLE 3
WATER SUPPLY WELLS
CHEVRON SERVICE STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Well #	Type of Well	DWR Log #	Address	Distance/Direction from Site
1	Cathodic Protection	115705	39th Avenue and Foothill Boulevard	1,700' NW of site
2	Irrigation	107006	1601 39th Avenue	1,600' WNW of site
3	Unknown	01-1302	Exact Location Unknown	Unknown

TABLE 4
 CUMMULATIVE SOIL ANALYTICAL DATA
 CHEVRON STATION 90076
 4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Sample ID	Date	Depth (fbg)	TOG	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naphthalene	DIPE	TAME	TBA	ETBE	1,2-DCA	EDB	Other VOCs	SVOCs	Pesticide s/ PCBs	Cadmium	Total Chromium	Lead	Nickel	Zinc		
Concentrations reported in milligrams per kilogram (mg/kg)																												
LTC - Residential- 0 to 5 fbg ^a			--	--	--	--	1.9	--	21	--	--	9.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
LTC - Commercial - 0 to 5 fbg ^a			--	--	--	--	8.2	--	89	--	--	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
LTC - Residential- Outdoor Air - 5 to 10 fbg ^a			--	--	--	--	2.8	--	32	--	--	9.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
LTC - Commercial - Outdoor Air - 5 to 10 fbg ^a			--	--	--	--	12	--	134	--	--	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
LTC - Utility Worker - 0 to 10 fbg ^a			--	--	--	--	14	--	314	--	--	219	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
ESL Table K-2 - Direct Contact Commercial (Metals) ^d			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,000	No Value	320	19,000	310,000		
ESL Table K-3 - Direct Contact Construction Worker (Metals) ^d			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	110	No Value	320	6,100	93,000		
2016 Site Investigation																												
C-13	02/23/16	3	--	--	--	<4.9	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-13	02/23/16	5	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-13	02/23/16	10	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	0.001 J	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-13	02/23/16	15	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	0.0005 J	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-13	02/23/16	20	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	0.13	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-13	02/23/16	25	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	0.51	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-7	02/23/16	5	--	--	--	320	<0.025	<0.050	0.71	1.0	<0.025	1.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-7	02/23/16	10	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015 Site Investigation																												
C-11	02/02/15	3	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-11	02/02/15	8	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-11	02/03/15	10	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-11	02/03/15	15	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-11	02/03/15	20	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-11	02/03/15	25	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-12*	02/02/15	3	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-12*	02/02/15	8	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-12*	02/03/15	10	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-12*	02/03/15	15	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-12*	02/03/15	20	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-12*	02/03/15	25	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-12*	02/03/15	30	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	0.0009 J	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B1	02/05/15	3	--	--	--	3.8	0.005 J	<0.001	<0.001	0.002 J	0.001 J	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B1	02/05/15	8	--	--	--	2.5	0.005 J	<0.001	0.003 J	<0.001	0.0006 J	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B1	02/06/15	10	--	--	--	45	0.024 ^b	<0.0009 ^b	0.26 ^b	0.13 ^b	0.001 ^b J	0.21 ^b	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B1	02/06/15	14	--	--	--	26	0.005 J	<0.001	0.26	0.094	<0.0005	0.29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B1	02/06/15	15	--	--	--	29	0.009	0.005 J	0.23	0.74	<0.0005	0.089	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**TABLE 4
CUMMULATIVE SOIL ANALYTICAL DATA
CHEVRON STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Sample ID	Date	Depth (fbg)	TOG	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naphthalene	DIPE	TAME	TBA	ETBE	1,2-DCA	EDB	Other VOCs	SVOCs	Pesticide s/ PCBs	Cadmium	Total Chromium	Lead	Nickel	Zinc	
																											Concentrations reported in milligrams per kilogram (mg/kg)
LTC - Residential- 0 to 5 fbg^a			--	--	--	--	1.9	--	21	--	--	9.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
LTC - Commercial - 0 to 5 fbg^a			--	--	--	--	8.2	--	89	--	--	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
LTC - Residential- Outdoor Air - 5 to 10 fbg^a			--	--	--	--	2.8	--	32	--	--	9.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
LTC - Commercial - Outdoor Air - 5 to 10 fbg^a			--	--	--	--	12	--	134	--	--	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
LTC - Utility Worker - 0 to 10 fbg^a			--	--	--	--	14	--	314	--	--	219	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
ESL Table K-2 - Direct Contact Commercial (Metals)^d			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,000	No Value	320	19,000	310,000
ESL Table K-3 - Direct Contact Construction Worker (Metals)^d			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	110	No Value	320	6,100	93,000
B1	02/06/15	20	--	--	--	<0.5	0.001 J	<0.001	0.002 J	0.007	0.004 J	0.002 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B1	02/06/15	25	--	--	--	3.8	0.004 J	0.001 J	0.083	0.35	<0.0005	0.066	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B1	02/06/15	30	--	--	--	140	0.20 J	<0.054	0.45	0.97	<0.027	0.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B2	02/06/15	3	--	--	--	1.0	0.001 J	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B2	02/06/15	8	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B2	02/06/15	10	--	--	--	<0.5	0.004 J	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B2	02/06/15	15	--	--	--	4.4	0.013	<0.0009	0.002 J	<0.0009	0.002 J	0.001 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B2	02/06/15	20	--	--	--	0.9 J	0.006	<0.001	0.001 J	<0.001	0.001 J	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B2	02/06/15	25	--	--	--	<0.5	0.005	<0.001	0.001 J	<0.001	0.002 J	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B2	02/06/15	30	--	--	--	100	0.071 J	<0.052	0.27	1.1	<0.026	0.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B3	02/05/15	3	--	--	--	0.7 J	0.003 J	<0.001	<0.001	0.003 J	0.002 J	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B3	02/05/15	8	--	--	--	250	0.24 J	<0.050	5.1	6.9	<0.025	5.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B3	02/05/15	10	--	--	--	270	0.15 J	<0.050	3.4	8.6	0.029 J	1.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B3	02/05/15	15	--	--	--	3.6	0.035	<0.001	0.020	0.009	0.011	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B3	02/05/15	20	--	--	--	120	0.17 J	<0.053	4.8	13	<0.026	2.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B3	02/05/15	25	--	--	--	<0.5	0.003 J	<0.0009	0.001 J	0.003 J	0.013	<0.0009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B3	02/05/15	30	--	--	--	<0.5	0.003 J	<0.001	0.007	0.020	0.006	0.011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B4	02/05/15	3	--	--	--	0.8 J	0.002 J	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B4	02/05/15	8	--	--	--	<0.5	0.001 J	<0.001	<0.001	<0.001	0.0007 J	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B4	02/05/15	10	--	--	--	16	0.005	<0.001	0.011	0.004 J	0.017	0.013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B4	02/05/15	15	--	--	--	22	0.076	0.001 J	0.21	0.31	0.052	0.23 ^c J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B4	02/05/15	20	--	--	--	74	0.14 J	<0.051	0.82	1.2	<0.026	0.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B4	02/05/15	25	--	--	--	320	0.87	<0.055	4.3	4.0	0.28	0.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B4	02/05/15	30	--	--	--	7.7	0.27	<0.001	0.098	0.006	0.11	0.006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B5	02/04/15	3	--	85	68	<0.5	0.001 J	<0.0009	<0.0009	<0.0009	0.001 J	<0.0009	<0.0009	<0.0009	<0.019	<0.0009	<0.0009	<0.0009	<0.0009	See Table 1A	See Table 1B	ND	0.712	61.8	325	68.5	365
B5	02/04/15	8	--	<9.9	<4.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	<0.001	See Table 1A	See Table 1B	ND	<0.0324	70.5	12.4	115	58.4
B5	02/04/15	10	--	<10	<4.0	<0.5	0.0008 J	<0.0009	<0.0009	0.001 J	0.002 J	<0.0009	<0.0009	<0.0009	<0.018	<0.0009	<0.0009	<0.0009	<0.0009	See Table 1A	See Table 1B	ND	0.0760 J	58.2	3.17	142	35.0
B5	02/04/15	15	--	<9.9	86	590	0.035 J	1.4	13	55	<0.025	3.2	<0.051	<0.051	<1.0	<0.051	<0.051	<0.051	<0.051	See Table 1A	See Table 1B	ND	0.0680 J	43.9	3.69	81.4	33.8
B5	02/04/15	20	--	<10	32	61	<0.025	0.067 J	3.5	13.8	<0.025	1.4	<0.050	<0.050	<0.99	<0.050	<0.050	<0.050	<0.050	See Table 1A	See Table 1B	ND	0.0843 J	83.9	3.77	127	39.2
B5	02/04/15	25	--	<9.9	9.2 J	4.1	0.074	0.002 J	0.026	0.045	0.28	0.006	<0.001	<0.001	0.23	<0.001	<0.001	<0.001	<0.001	See Table 1A	See Table 1B	ND	0.0431 J	41.3	4.97	70.7	44.4
B5	02/04/15	30	--	<9.9	27	48	<0.026	0.18 J	1.8	8.1	0.055 J	0.20 J	<0.052	<0.052	<1.0	<0.052	<0.052	<0.052	<0.052	See Table 1A	See Table 1B	ND	0.123 J	46.9	4.55	57.3	39.1
B6	02/06/15	3	--	--	--	<0.5	0.004 J	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

**TABLE 4
CUMMULATIVE SOIL ANALYTICAL DATA
CHEVRON STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Sample ID	Date	Depth (fbg)	TOG	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naphthalene	DIPE	TAME	TBA	ETBE	1,2-DCA	EDB	Other VOCs	SVOCs	Pesticide s/ PCBs	Cadmium	Total Chromium	Lead	Nickel	Zinc	
← Concentrations reported in milligrams per kilogram (mg/kg) →																											
LTC - Residential- 0 to 5 fbg^a			--	--	--	--	1.9	--	21	--	--	9.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
LTC - Commercial - 0 to 5 fbg^a			--	--	--	--	8.2	--	89	--	--	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
LTC - Residential- Outdoor Air - 5 to 10 fbg^a			--	--	--	--	2.8	--	32	--	--	9.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
LTC - Commercial - Outdoor Air - 5 to 10 fbg^a			--	--	--	--	12	--	134	--	--	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
LTC - Utility Worker - 0 to 10 fbg^a			--	--	--	--	14	--	314	--	--	219	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
ESL Table K-2 - Direct Contact Commercial (Metals)^d			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,000	No Value	320	19,000	310,000
ESL Table K-3 - Direct Contact Construction Worker (Metals)^d			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	110	No Value	320	6,100	93,000
B6	02/06/15	8	--	--	--	18	0.056	0.001 J	0.020	0.004 J	0.011	0.088	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B6	02/06/15	10	--	--	--	130	0.050 J	<0.052	0.28	<0.052	<0.026	0.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B6	02/06/15	15	--	--	--	180	1.4	0.15 J	8.3	0.97	0.088 J	1.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B6	02/06/15	20	--	--	--	940	0.57	0.11 J	10	0.79	<0.025	2.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B6	02/06/15	25	--	--	--	160	0.37	<0.054	0.96	0.057 J	<0.027	0.12 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B6	02/06/15	30	--	--	--	250	0.72	0.61	3.0	6.7	<0.023	0.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-4	02/05/15	3	--	--	--	<0.5	0.001 J	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-4	02/05/15	6	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-5	02/04/15	3	--	--	--	1.2	0.0008 J	<0.001	<0.001	<0.001	0.002 J	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-5	02/04/15	6	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	0.01	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-6	02/04/15	3	--	--	--	<0.5	0.010	<0.001	0.002 J	0.003 J	0.002 J	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-6	02/04/15	6	--	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	0.0009 J	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2005 Soil Vapor Probe Installation																											
VP-1	11/21/05	7.0-7.5	--	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	0.001	--	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	
VP-2	11/21/05	6.5-7.0	--	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	0.002	--	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	
VP-3	11/21/05	5.5-6.0	--	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	0.002	--	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	
2003 Well Installation Sampling																											
C-10	08/08/03	10	--	--	--	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	
C-10	08/08/03	15	--	--	--	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	
C-10	08/08/03	20	--	--	--	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	
C-10	08/08/03	25	--	--	--	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	
C-10	08/08/03	30	--	--	--	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	
1997 Dispenser Island Upgrade and Product Piping Replacement Sampling																											
PL1	07/21/97	4	--	--	--	1.8	0.031	0.016	0.023	0.19	2.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
PL2	07/21/97	4	--	--	--	210	0.64	0.90	3.6	11	<2.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
PL3	07/21/97	4	--	--	--	34	0.20	0.15	0.88	4.4	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE 4
 CUMMULATIVE SOIL ANALYTICAL DATA
 CHEVRON STATION 90076
 4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Sample ID	Date	Depth (fbg)	TOG	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naphthalene	DIPE	TAME	TBA	ETBE	1,2-DCA	EDB	Other VOCs	SVOCs	Pesticide s/ PCBs	Cadmium	Total Chromium	Lead	Nickel	Zinc
Concentrations reported in milligrams per kilogram (mg/kg)																										
<i>LTC - Residential- 0 to 5 fbg^a</i>			--	--	--	--	1.9	--	21	--	--	9.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>LTC - Commercial - 0 to 5 fbg^a</i>			--	--	--	--	8.2	--	89	--	--	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>LTC - Residential- Outdoor Air - 5 to 10 fbg^a</i>			--	--	--	--	2.8	--	32	--	--	9.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>LTC - Commercial - Outdoor Air - 5 to 10 fbg^a</i>			--	--	--	--	12	--	134	--	--	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>LTC - Utility Worker - 0 to 10 fbg^a</i>			--	--	--	--	14	--	314	--	--	219	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>ESL Table K-2 - Direct Contact Commercial (Metals)^d</i>			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,000	No Value	320	19,000	310,000
<i>ESL Table K-3 - Direct Contact Construction Worker (Metals)^d</i>			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	110	No Value	320	6,100	93,000
PL4	07/21/97	4	--	--	--	45	<0.0050	<0.0050	0.87	3.5	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PL5	07/21/97	4	--	--	--	130	0.64	0.25	0.71	0.51	6.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1987 - 1996 Well Installation and Soil Boring Sampling																										
C-A	08/13/87	8.5	--	--	--	3,600	33	12	--	350	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-A	08/13/87	19	--	--	--	63	2.0	0.1	--	2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-A	08/13/87	23.5	--	--	--	52	1.8	<0.1	--	0.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-1	08/13/87	9	--	--	--	<5	<0.05	<0.1	--	<0.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-1	08/13/87	19	--	--	--	<5	<0.05	<0.1	--	<0.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-1	08/13/87	29	--	--	--	<5	<0.05	<0.1	--	<0.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-2	08/13/87	9	--	--	--	1,200	16	54	--	120	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-2	08/13/87	19	--	--	--	<5	0.07	0.8	--	<0.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-2	08/13/87	29	--	--	--	48	0.93	0.1	--	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-3	08/13/87	9	--	--	--	7	0.05	<0.1	--	0.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-3	08/13/87	19	--	--	--	<5	<0.05	<0.1	--	<0.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-3	08/13/87	29	--	--	--	<5	<0.05	<0.1	--	<0.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-4	08/13/87	9	--	--	--	580	3.9	23	--	46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-4	08/13/87	19	--	--	--	<5	<0.05	<0.1	--	<0.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-4	08/13/87	29	--	--	--	<5	<0.05	<0.1	--	<0.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-5 (BH-E)	08/01/90	11	--	--	--	54	0.5	1.7	0.8	4.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-5 (BH-E)	08/01/90	16	--	--	--	<10	<0.005	<0.005	<0.005	0.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-5 (BH-E)	08/01/90	21	--	--	--	<10	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-5 (BH-E)	08/01/90	26	--	--	--	<10	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-6 (BH-F)	08/01/90	16	--	--	--	<10	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-6 (BH-F)	08/01/90	21	--	--	--	<10	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-6 (BH-F)	08/01/90	31	--	--	--	42	0.2	<0.005	0.1	0.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-6 (BH-F)	08/01/90	41	--	--	--	<10	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-7 (BH-G)	07/31/90	11	--	--	--	<10	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-7 (BH-G)	07/31/90	16	--	--	--	<10	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-7 (BH-G)	07/31/90	21	--	--	--	<10	0.02	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 4
 CUMMULATIVE SOIL ANALYTICAL DATA
 CHEVRON STATION 90076
 4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Sample ID	Date	Depth (fbg)	TOG	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naphthalene	DIPE	TAME	TBA	ETBE	1,2-DCA	EDB	Other VOCs	SVOCs	Pesticide s/ PCBs	Cadmium	Total Chromium	Lead	Nickel	Zinc	
Concentrations reported in milligrams per kilogram (mg/kg)																											
LTC - Residential- 0 to 5 fbg^a			--	--	--	--	1.9	--	21	--	--	9.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LTC - Commercial - 0 to 5 fbg^a			--	--	--	--	8.2	--	89	--	--	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LTC - Residential- Outdoor Air - 5 to 10 fbg^a			--	--	--	--	2.8	--	32	--	--	9.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LTC - Commercial - Outdoor Air - 5 to 10 fbg^a			--	--	--	--	12	--	134	--	--	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LTC - Utility Worker - 0 to 10 fbg^a			--	--	--	--	14	--	314	--	--	219	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ESL Table K-2 - Direct Contact Commercial (Metals)^d			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,000	No Value	320	19,000	310,000	
ESL Table K-3 - Direct Contact Construction Worker (Metals)^d			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	110	No Value	320	6,100	93,000	
C-7 (BH-G)	07/31/90	31	--	--	--	<10	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-7 (BH-G)	07/31/90	41	--	--	--	<10	0.007	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-8 (BH-H)	11/01/90	5.5	--	--	--	<10	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-8 (BH-H)	11/01/90	40	--	--	--	<10	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-8 (BH-H)	11/01/90	45	--	--	--	<10	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-9	07/10/96	10	--	--	--	1.2	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-9	07/10/96	20	--	--	--	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-9	07/10/96	30	--	--	--	1.1	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-9	07/10/96	45	--	--	--	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1987 Underground Storage Tank Removal Sampling																											
#1	05/22/87	13.5	--	--	--	<1	<0.005	<0.005	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
#2	05/22/87	13.5	--	--	--	<1	<0.005	<0.005	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
#3	05/22/87	13.5	--	--	--	<1	<0.005	<0.005	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
#4	05/22/87	13.5	--	--	--	<1	0.014	0.038	--	0.020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
#5	05/22/87	12.5	--	--	--	21	0.057	0.092	--	0.029	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
#6	05/22/87	13.5	--	--	--	15	0.010	<0.005	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
#7	05/21/87	9.5	100	63	--	--	0.005	0.020	<0.005	<0.005	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	--	--
#8	05/21/87	9.5	<100	<5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**TABLE 4
CUMMULATIVE SOIL ANALYTICAL DATA
CHEVRON STATION 90076
4265 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA**

Sample ID	Date	Depth (fbg)	TOG	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naphthalene	DIPE	TAME	TBA	ETBE	1,2-DCA	EDB	Other VOCs	SVOCs	Pesticide s/ PCBs	Cadmium	Total Chromium	Lead	Nickel	Zinc
LTC - Residential- 0 to 5 fbg ^a			--	--	--	--	1.9	--	21	--	--	9.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LTC - Commercial - 0 to 5 fbg ^a			--	--	--	--	8.2	--	89	--	--	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LTC - Residential- Outdoor Air - 5 to 10 fbg ^a			--	--	--	--	2.8	--	32	--	--	9.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LTC - Commercial - Outdoor Air - 5 to 10 fbg ^a			--	--	--	--	12	--	134	--	--	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LTC - Utility Worker - 0 to 10 fbg ^a			--	--	--	--	14	--	314	--	--	219	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ESL Table K-2 - Direct Contact Commercial (Metals) ^d			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,000	No Value	320	19,000	310,000
ESL Table K-3 - Direct Contact Construction Worker (Metals) ^d			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	110	No Value	320	6,100	93,000

Abbreviations/Notes:

- TOG = Total oil and grease analyzed by EPA Method 8015, unless otherwise noted
- TPHmo = Total petroleum hydrocarbons as motor oil by EPA Method 8015
- TPHd = Total petroleum hydrocarbons as diesel by EPA Method 8015
- TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8015 unless otherwise noted
- Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B; before 2003, analyzed by EPA Method 8020 unless otherwise noted
- MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B, unless otherwise noted
- DIPE = di-isopropyl ether, TAME = t-amyl methyl ether, TBA = tert-butyl alcohol, ETBE = ethyl tertiary butyl ether, 1,2-DCA = 1,2-dichloroethane and EDB = 1,2-Dibromoethane analyzed by EPA Method 8260B, unless otherwise noted.
- VOC = Volatile organic compounds by EPA Method 8260B
- SVOC = Semi-volatile organic compounds by EPA Method 8270C
- Pesticides and polychlorinated biphenyls (PCBs) by EPA Method 8082
- Cadmium, chromium, lead, nickel, and zinc by EPA Method 6010B
- fbg = feet below grade
- = not analyzed, not established, or not applicable
- <x = Not detected at or above stated laboratory method detection limits
- ND = Not detected at or above stated laboratory method detection limits
- J = Estimated value ≥ the Method Detection Limit (MDL or DL) and the < Limit of Quantitation (LOQ or RL)
- * Well boring was not converted to a well due to lack of encountered water
- a = Low-Threat Underground Storage Tank Case Closure Policy Criteria (LTC) - California State Water Resources Control Board (SWRCB), August 2012, Low-Threat Underground Storage Tank Policy.
- b = The recovery for the sample internal standard is outside the QC acceptance limits. The following corrective action was taken: The secondary vial leaked during re-analysis therefore the matrix effects observed in the initial analysis could not be confirmed. The values reported here are from the initial analysis.
- c = The concentration reported for Naphthalene is estimated since it exceeds the calibration range of the instrument when determined by the low level method, but is less than the quantitation limit when determined by the high level method. The result reported is from the high level determination.
- d = Environmental Screening Levels (ESLs) from the San Francisco Regional Water Quality Control Board, User's Guide, *Derivation and Application of Environmental Screening Levels*, December 2013

Attachment A Regulatory Letter



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

July 26, 2016

Mr. Mark Horne
Chevron Environmental Management Co.
6101 Bollinger Canyon Rd.
San Ramon, CA 94583
(Sent via electronic mail to: markhorne@chevron.com)

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

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

Dear Mr. Horne and Mr. and Ms. Le:

Alameda County Department of Environmental Health (ACDEH) staff has reviewed the case file for the above referenced site including the *First Quarter 2016 Groundwater Monitoring and Sampling Report*, dated May 6, 2016, and the *Site Investigation Report and Updated Focused Site Conceptual Model*, dated June 3, 2016. These documents were prepared and submitted on your behalf by GHD Services, Inc (GHD). Thank you for submitting the documents, they have moved the site forward, and allow a narrower focusing of future investigations.

ACDEH has re-evaluated site data and recommendations presented in the above-mentioned reports, in conjunction with the case files, and the State Water Resources Control Board's (SWRCBs) Low Threat Underground Storage Tank Case Closure Policy (LTCP). Based on ACDEH staff review, we have determined that the site now additionally meets the LTCP General Criteria e (Site Conceptual Model), and f (Secondary Source Removal). The site does not meet the LTCP Media-Specific Criteria for Groundwater, the Media-Specific Criteria for Vapor Intrusion to Indoor Air, and the Media-Specific Criteria for Direct Contact and Outdoor Air (See Geotracker for the updated LTCP checklist).

Based on ACEH staff review of the case file, we request that you address the following technical comments and send us the reports described below.

TECHNICAL COMMENTS

- 1. LTCP Media Specific Criteria for Groundwater** – To satisfy the media-specific criteria for groundwater, the contaminant plume that exceeds water quality objectives must be stable or decreasing in areal extent, and meet all of the additional characteristics of one of the five classes of sites listed in the policy.

Our review of the case files indicates that insufficient data and analysis has been presented to support the requisite characteristics of plume stability, plume length, stable benzene concentrations, or that the property owner may be willing to accept a land use restriction. This analysis considered the following site specific data:

- a. Length of Groundwater Plume** – The length of the shallow groundwater plume has not been defined by the existing offsite downgradient monitoring well network that monitor one of two groundwater bearing zones in the site vicinity. Contaminant concentrations in downgradient groundwater well C-11, the furthest downgradient well monitoring the shallow groundwater zone, remain above water quality objectives. The shallow water-bearing zone has also not been defined laterally to the north or south of well C-11. This appears to be an important step due to multiple basements in the vicinity.

Downgradient groundwater wells C-7 and C-9 monitor a deeper groundwater bearing zone; these wells appear to define the length of the deeper groundwater bearing zone.

Therefore, as an initial step, it appears reasonable to request the generation of an additional line of evidence to estimate the plume length of the shallow water-bearing zone. This is requested to be done using Table 1 of the LTCP technical justification paper entitled *Technical Justification for Groundwater Media-Specific Criteria* (April 2012) and plotting the maximum plume length for methyl tert butyl ether (MTBE). This is requested to be combined with an evaluation of the potential for sensitive receptors, including dewatering structures such as basements with sumps, to be present within the estimated plume length.

It also appears reasonable to attempt to define the lateral extent of the shallow groundwater hydrocarbon plume in order to determine the potential for vapor intrusion in to the three residential basements that may be within the downgradient groundwater plume.

- b. **Water Supply Wells** – The referenced report states that a water supply well survey was conducted in 2015 by GHD using Department of Water Resources (DWR) and Alameda County Public Works Agency (ACPWA) databases. ACDEH has not been able to locate the survey in either the ACDEH or Geotracker databases. Please forward a copy of the report in order for the public record to be complete.
- c. **Concentration Stability** – Dissolved phase concentrations in wells C-2 and C-4 fluctuate annually between March and September. Concentrations are highest in March when depth to groundwater measurements indicates groundwater is the shallowest. This indicates shallow residual soil contamination is present at the site. Concentrations of Total Petroleum Hydrocarbons as gasoline (TPHg) have recently ranged between 6,100 and 14,000 micrograms per liter ($\mu\text{g/l}$) and concentrations of benzene have ranged between 490 and 910 $\mu\text{g/l}$ in wells C-2 and C-4, downgradient of the shallow residual soil sources that may be related to product line releases.

Please present a strategy in the Data Gap Work Plan requested in Technical Comment 5 below to address the items discussed above. Alternatively, please provide justification of why the site satisfies the Media-Specific Criteria for Groundwater in the focused SCM described in Technical Comment 5 below.

- 2. **LTCP Media Specific Criteria for Vapor Intrusion to Indoor Air** – The LTCP describes conditions, including bioattenuation zones, which if met will assure that exposure to petroleum vapors in indoor air will not pose unacceptable health risks to human occupants of existing or future site buildings, and adjacent parcels. Appendices 1 through 4 of the LTCP criteria illustrate four potential exposure scenarios and describe characteristics and criteria associated with each scenario.

Our review of the case files indicates that although the site is an active service station, there are two residential houses and one multiunit apartment building each with basements in the immediate vicinity of the site, within or immediately adjacent to the mapped extent of the shallow groundwater plume. As indicated above, ACDEH does not consider the lateral extent of the shallow groundwater plume to be sufficiently defined to eliminate the concern that these basements may be at risk of vapor intrusion from the groundwater contamination plume.

Presuming a standard basement depth of eight to nine feet below grade surface (bgs), the LTCP indicates a vapor sample is to be collected at a depth of approximately 13 to 14 feet bgs (or in other words five feet below the foundation depth). The bore logs for wells C-4, C-6, and B-7 document hydrocarbon contamination as shallow as 6.5 to 8 feet (C-4 and B-7), to approximately 18.5 feet (C-6). As stated in previous directive letters, at least seasonal unmonitored contaminated groundwater appears to be present as shallow as 6 to 8 feet bgs (see logs for B-7, VP-3, and the presence of water in VP-2 tube during the February 2015 vapor sampling event), and it appears hydrocarbon migration in this shallow zone may be capable of at least seasonally affecting the basements. One

time vapor sampling events at vapor locations VP-1, VP-2, and VP-4, and two time events at VP-3 and VP-6 appear to meet the LTCP Scenario 4a or Scenario 4b, but lacking the construction details for the adjacent basement it cannot be determined if the basement is at risk from vapor intrusion from all or deeper sources. Additionally, Department of Toxic Substances Control (DTSC) guidance indicates multiple vapor sampling is appropriate in order to assess temporal and seasonal variations in soil gas concentrations.

Repeat vapor sampling at VP-5 has provided conflicting data, as the location has meet and has not meet one of the LTCP Scenarios. Additionally, methane concentrations consistently have been detected above the Lower Explosive Limit (LEL) for methane of 5%. It therefore appears reasonable to request additional details on the crawl space beneath the multiunit apartment building, including the location of vents, building floor construction materials, as well as a crawl space vapor sample. While ACDEH understands that a crawl space can allow ventilation of soil vapors, the DTSC considers crawl space vapor to be representative of indoor air, (thus does not undergo attenuation between the crawl space and indoor air). The potentially explosive methane level at the location is an additional concern for the apartment building.

Therefore, please present a strategy in the Data Gap Investigation Work Plan requested in Technical Comment 5 below to collect additional data to satisfy the bioattenuation zone characteristics of Scenarios 1, 2 or 3, or to collect soil gas data to satisfy Scenario 4.

- 3. LTCP Media Specific Criteria for Direct Contact and Outdoor Air Criteria** – The LTCP describes conditions where direct contact with contaminated soil or inhalation of contaminants volatilized to outdoor air poses a low threat to human health. According to the policy, release sites where human exposure may occur satisfy the media-specific criteria for direct contact and outdoor air exposure and shall be considered low-threat if the maximum concentrations of petroleum constituents in soil are less than or equal to those listed in Table 1 for the specified depth bgs. Alternatively, the policy allows for a site specific risk assessment that demonstrates that maximum concentrations of petroleum constituents in soil will have no significant risk of adversely affecting human health, or controlling exposure through the use of mitigation measures, or institutional or engineering controls.

Our review of the case files indicates that insufficient data collection and analysis has been presented to satisfy the media-specific criteria for direct contact and outdoor air exposure. Specifically, elevated residual concentrations of benzene which do not meet the LTCP criteria for commercial or utility worker direct contact exposure appear to remain in the vicinity of well C-2. Ethylbenzene and naphthalene were not included in the soil analysis at the time. While ACDEH recognizes the data is older and may ultimately meet the criteria, confirmation samples have not been collected to verify this presumption.

Therefore, please present a strategy in the Data Gap Work Plan requested in Technical Comment 5 below to collect sufficient data to satisfy the direct contact and outdoor air exposure criteria at the site.

Alternatively, please provide justification of why the site satisfies the Media-Specific Criteria for Direct Contact and Outdoor Air Exposure in the focused SCM requested in Technical Comment 5 below that assures that exposure to petroleum constituents in soil will have no significant risk of adversely affecting human health.

- 4. Groundwater Monitoring** – Groundwater monitoring of offsite wells C-7 and C-9 has not been conducted since September 2014 due to the lack of an access agreement with the offsite property owner. ACDEH requests that an access agreement be initiated with the property owner in order to monitor the wells a minimum of one time before closure, and for the purpose of well destruction prior to closure.
- 5. Data Gap Investigation Work Plan and Focused Site Conceptual Model** – Please prepare a Data Gap Investigation Work Plan to address the technical comments listed above. Please support the scope of work in the Data Gap Investigation Work Plan with a focused SCM and Data Quality

Objectives (DQOs) that relate the data collection to each LTCP criteria. For example please clarify which scenario within each Media-Specific Criteria a sampling strategy is intended to apply to.

In order to expedite review, ACDEH requests the focused SCM be presented in a tabular format that highlights the major SCM elements and associated data gaps, which need to be addressed to progress the site to case closure under the LTCP. Please see Attachment A "Site Conceptual Model Requisite Elements". Please sequence activities in the proposed revised data gap investigation scope of work to enable efficient data collection in the fewest mobilizations possible.

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

- **October 3, 2016** – Data Gap Work Plan
File to be named RO427_WP_R_yyyy-mm-dd

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

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

If your email address does not appear on the cover page of this notification, ACDEH is requesting you provide your email address so that we can correspond with you quickly and efficiently regarding your case.

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

Sincerely,



Digitally signed by Mark Detterman
DN: cn=Mark Detterman, o=ACEH,
ou=ACEH,
email=mark.detterman@acgov.org, c=US
Date: 2016.07.26 14:56:35 -07'00'

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

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

Attachment A – Site Conceptual Model Requisite Elements

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

Greg Barclay, GHD, Inc., 5900 Hollis Street, Suite A, Emeryville, CA 94608
(Sent via electronic mail to: Greg.Barcly@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)
Geotracker, Electronic File

Attachment 1

Responsible Party(ies) Legal Requirements / Obligations

REPORT REQUESTS

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

ELECTRONIC SUBMITTAL OF REPORTS

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

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

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

AGENCY OVERSIGHT

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

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

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

REQUIREMENTS

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

RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Submission Instructions

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

ATTACHMENT A

Site Conceptual Model Requisite Elements

ATTACHMENT A

Site Conceptual Model

The site conceptual model (SCM) is an essential decision-making and communication tool for all interested parties during the site characterization, remediation planning and implementation, and closure process. A SCM is a set of working hypotheses pertaining to all aspects of the contaminant release, including site geology, hydrogeology, release history, residual and dissolved contamination, attenuation mechanisms, pathways to nearby receptors, and likely magnitude of potential impacts to receptors.

The SCM is initially used to characterize the site and identify data gaps. As the investigation proceeds and the data gaps are filled, the working hypotheses are modified, and the overall SCM is refined and strengthened until it is said to be "validated". At this point, the focus of the SCM shifts from site characterization towards remedial technology evaluation and selection, and later remedy optimization, and forms the foundation for developing the most cost-effective corrective action plan to protect existing and potential receptors.

For ease of review, Alameda County Environmental Health (ACEH) requests utilization of tabular formats to (1) highlight the major SCM elements and their associated data gaps which need to be addressed to progress the site to case closure (see Table 1 of attached example), and (2) highlight the identified data gaps and proposed investigation activities (see Table 2 of the attached example). ACEH requests that the tables presenting the SCM elements, data gaps, and proposed investigation activities be updated as appropriate at each stage of the project and submitted with work plans, feasibility studies, corrective action plans, and requests for closures to support proposed work, conclusions, and/or recommendations.

The SCM should incorporate, but is not limited to, the topics listed below. Please support the SCM with the use of large-scaled maps and graphics, tables, and conceptual diagrams to illustrate key points. Please include an extended site map(s) utilizing an aerial photographic base map with sufficient resolution to show the facility, delineation of streets and property boundaries within the adjacent neighborhood, downgradient irrigation wells, and proposed locations of transects, monitoring wells, and soil vapor probes.

- a. Regional and local (on-site and off-site) geology and hydrogeology. Include a discussion of the surface geology (e.g., soil types, soil parameters, outcrops, faulting), subsurface geology (e.g., stratigraphy, continuity, and connectivity), and hydrogeology (e.g., water-bearing zones, hydrologic parameters, impermeable strata). Please include a structural contour map (top of unit) and isopach map for the aquitard that is presumed to separate your release from the deeper aquifer(s), cross sections, soil boring and monitoring well logs and locations, and copies of regional geologic maps.
- b. Analysis of the hydraulic flow system in the vicinity of the site. Include rose diagrams for depicting groundwater gradients. The rose diagram shall be plotted on groundwater elevation contour maps and updated in all future reports submitted for your site. Please address changes due to seasonal precipitation and groundwater pumping, and evaluate the potential interconnection between shallow and deep aquifers. Please include an analysis of vertical hydraulic gradients, and effects of pumping rates on hydraulic head from nearby water supply wells, if appropriate. Include hydraulic head in the different water bearing zones and hydrographs of all monitoring wells.
- c. Release history, including potential source(s) of releases, potential contaminants of concern (COC) associated with each potential release, confirmed source locations, confirmed release locations, and existing delineation of release areas. Address primary leak source(s) (e.g., a tank, sump, pipeline, etc.) and secondary sources (e.g., high-

ATTACHMENT A

Site Conceptual Model (continued)

concentration contaminants in low-permeability lithologic soil units that sustain groundwater or vapor plumes). Include local and regional plan view maps that illustrate the location of sources (former facilities, piping, tanks, etc.).

- d. Plume (soil gas and groundwater) development and dynamics including aging of source(s), phase distribution (NAPL, dissolved, vapor, residual), diving plumes, attenuation mechanisms, migration routes, preferential pathways (geologic and anthropogenic), magnitude of chemicals of concern and spatial and temporal changes in concentrations, and contaminant fate and transport. Please include three-dimensional plume maps for groundwater and two-dimensional soil vapor plume plan view maps to provide an accurate depiction of the contaminant distribution of each COC.
- e. Summary tables of chemical concentrations in different media (i.e., soil, groundwater, and soil vapor). Please include applicable environmental screening levels on all tables. Include graphs of contaminant concentrations versus time.
- f. Current and historic facility structures (e.g., buildings, drain systems, sewer systems, underground utilities, etc.) and physical features including topographical features (e.g., hills, gradients, surface vegetation, or pavement) and surface water features (e.g. routes of drainage ditches, links to water bodies). Please include current and historic site maps.
- g. Current and historic site operations/processes (e.g., parts cleaning, chemical storage areas, manufacturing, etc.).
- h. Other contaminant release sites in the vicinity of the site. Hydrogeologic and contaminant data from those sites may prove helpful in testing certain hypotheses for the SCM. Include a summary of work and technical findings from nearby release sites, including the two adjacent closed LUFT sites, (i.e., Montgomery Ward site and the Quest Laboratory site).
- i. Land uses and exposure scenarios on the facility and adjacent properties. Include beneficial resources (e.g., groundwater classification, wetlands, natural resources, etc.), resource use locations (e.g., water supply wells, surface water intakes), subpopulation types and locations (e.g., schools, hospitals, day care centers, etc.), exposure scenarios (e.g. residential, industrial, recreational, farming), and exposure pathways, and potential threat to sensitive receptors. Include an analysis of the contaminant volatilization from the subsurface to indoor/outdoor air exposure route (i.e., vapor pathway). Please include copies of Sanborn maps and aerial photographs, as appropriate.
- j. Identification and listing of specific data gaps that require further investigation during subsequent phases of work. Proposed activities to investigate and fill data gaps identified.

TABLE 1
INITIAL SITE CONCEPTUAL MODEL

CSM Element	CSM Sub-Element	Description	Data Gap	How to Address
Geology and Hydrogeology	Regional	<p>The site is in the northwest portion of the Livermore Valley, which consists of a structural trough within the Diablo Range and contains the Livermore Valley Groundwater Basin (referred to as "the Basin") (DWR, 2006). Several faults traverse the Basin, which act as barriers to groundwater flow, as evidenced by large differences in water levels between the upgradient and downgradient sides of these faults (DWR, 2006). The Basin is divided into 12 groundwater basins, which are defined by faults and non-water-bearing geologic units (DWR, 1974).</p> <p>The hydrogeology of the Basin consists of a thick sequence of fresh-water-bearing continental deposits from alluvial fans, outwash plains, and lacustrine environments to up to approximately 5,000 feet bgs (DWR, 2006). Three defined fresh-water bearing geologic units exist within the Basin: Holocene Valley Fill (up to approximately 400 feet bgs in the central portion of the Basin), the Plio-Pleistocene Livermore Formation (generally between approximately 400 and 4,000 feet bgs in the central portion of the Basin), and the Pliocene Tassajara Formation (generally between approximately 250 and 5,000 or more feet bgs) (DWR, 1974). The Valley Fill units in the western portion of the Basin are capped by up to 40 feet of clay (DWR, 2006).</p>	None	NA
	Site	<p>Geology: Borings advanced at the site indicate that subsurface materials consist primarily of finer-grained deposits (clay, sandy clay, silt and sandy silt) with interbedded sand lenses to 20 feet below ground surface (bgs), the approximate depth to which these borings were advanced. The documented lithology for one on-site boring that was logged to approximately 45 feet bgs indicates that beyond approximately 20 feet bgs, fine-grained soils are present to approximately 45 feet bgs. A cone penetrometer technology test indicated the presence of sandier lenses from approximately 45 to 58 feet bgs and even coarser materials (interbedded with finer-grained materials) from approximately 58 feet to 75 feet bgs, the total depth drilled. The lithology documented at the site is similar to that reported at other nearby sites, specifically the Montgomery Ward site (7575 Dublin Boulevard), the Quest laboratory site (6511 Golden Gate Drive), the Shell-branded Service Station site (11989 Dublin Boulevard), and the Chevron site (7007 San Ramon Road).</p> <p>Hydrogeology: Shallow groundwater has been encountered at depths of approximately 9 to 15 feet bgs. The hydraulic gradient and groundwater flow direction have not been specifically evaluated at the site.</p>	<p>As noted, most borings at the site have been advanced to approximately 20 feet bgs, and one boring has been advanced and logged to 45 feet bgs; CPT data was collected to 75 feet bgs at one location. Lithologic data will be obtained from additional borings that will be advanced on site to further the understanding of the subsurface, especially with respect to deeper lithology.</p> <p>The on-site shallow groundwater horizontal gradient has not been confirmed. Additionally, it is not known if there may be a vertical component to the hydraulic gradient.</p>	<p>Two direct push borings and four multi-port wells will be advanced to depth (up to approximately 75 feet bgs) and soil lithology will be logged. See items 4 and 5 on Table 2.</p> <p>Shallow and deeper groundwater monitoring wells will be installed to provide information on lateral and vertical gradients. See Items 2 and 5 on Table 2.</p>
Surface Water Bodies		<p>The closest surface water bodies are culverted creeks. Martin Canyon Creek flows from a gully west of the site, enters a culvert north of the site, and then bends to the south, passing approximately 1,000 feet east of the site before flowing into the Alamo Canal. Dublin Creek flows from a gully west of the site, enters a culvert approximately 750 feet south of the site, and then joins Martin Canyon Creek approximately 750 feet southeast of the site.</p>	None	NA
Nearby Wells		<p>The State Water Resources Control Board's GeoTracker GAMA website includes information regarding the approximate locations of water supply wells in California. In the vicinity of the site, the closest water supply wells presented on this website are depicted approximately 2 miles southeast of the site; the locations shown are approximate (within 1 mile of actual location for California Department of Public Health supply wells and 0.5 mile for other supply wells). No water-producing wells were identified within 1/4 mile of the site in the well survey conducted for the Quest Laboratory site (6511 Golden Gate Drive; documented in 2009); information documented in a 2005 report for the Chevron site at 7007 San Ramon Road indicates that a water-producing well may exist within 1/2 mile of the site.</p>	<p>A formal well survey is needed to identify water-producing, monitoring, cathodic protection, and dewatering wells.</p>	<p>Obtain data regarding nearby, permitted wells from the California Department of Water Resources and Zone 7 Water Agency (Item 11 on Table 2).</p>

TABLE 2
DATA GAPS AND PROPOSED INVESTIGATION

Item	Data Gap	Proposed Investigation	Rationale	Analysis
5	Evaluate the possible presence of impacts to deeper groundwater. Evaluate deeper groundwater concentration trends over time. Obtain data regarding the vertical groundwater gradient. Obtain more lithological data below 20 feet bgs.	Install four continuous multichannel tubing (CMT) groundwater monitoring wells (aka multi-port wells) to approximately 65 feet bgs in the northern parking lot with ports at three depths (monitoring well locations may be adjusted pending results of shallow grab groundwater samples; we will discuss any potential changes with ACEH before proceeding). Groundwater monitoring frequency to be determined. Soil samples will be collected only if there are field indications of impacts. Soil lithology will be logged. However, information regarding the moisture content of soil may not be reliable using sonic drilling technology (two borings will be logged using direct push technology; see Item 4, above).	One well is proposed at the western (upgradient) property boundary to confirm that there are no deeper groundwater impacts from upgradient. Two wells are proposed near the center of the northern parking lot to evaluate potential impacts in an area where deeper impacts, if any, would most likely be found. One well is proposed at the eastern (downgradient) property boundary to confirm that there are no impacts extending off-site. Port depths will be chosen based on the locations of saturated soils (as logged in direct push borings; see Item 4, above), but are expected at approximately 15, 45, and 60 feet bgs.	<i>Groundwater:</i> VOCs by EPA Method 8260, dissolved oxygen, oxidation/reduction potential, temperature, pH, and specific conductance.
6	Evaluate possible off-site migration of impacted soil vapor in the downgradient direction (east). Evaluate concentration trends over time.	Install 4 temporary nested soil vapor probes at approximately 4 and 8 feet bgs along the eastern property boundary. Based on the results of the sampling, two sets of nested probes will be converted to vapor monitoring wells to allow for evaluation of VOC concentration trends over time.	Available data indicate that PCE and TCE are present in soil vapor in the eastern portion of the northern parking lot. Samples are proposed on approximately 50-foot intervals along the eastern property boundary to provide a transect of concentrations through the vapor plume. The depths of 4 and 8 feet bgs are chosen to provide data closest to the source (i.e., groundwater) while avoiding saturated soil, and also provide shallower data to help evaluate potential attenuation within the soil column. Two sets of nested vapor probes will be converted into vapor monitoring wells (by installing well boxes at ground surface); the locations of the permanent wells will be chosen based on the results of samples from the temporary probes.	<i>Soil vapor:</i> VOCs by EPA Method TO-15.
7	Evaluate potential for off-site migration of impacted groundwater in the downgradient direction (east).	Advance two borings to approximately 20 feet bgs in the parking lot of the property east of the Crown site for collection of grab groundwater samples.	Two borings are proposed off-site, on the property east of the Crown site, just east of the building in the expected area of highest potential VOC concentrations.	<i>Groundwater:</i> VOCs by EPA Method 8260, dissolved oxygen, oxidation/reduction potential, temperature, pH, and specific conductance.
8	Evaluate VOC concentrations just north of the highest concentration area.	Advance two borings to approximately 20 feet bgs north of Building A for collection of soil and grab groundwater samples. Soil samples will be collected at two depths in the vadose zone. Soil samples will be collected based on field indications of impacts (PID readings, odor, staining) or, in the absence of field indications of impacts, at 5 and 10 feet bgs.	The highest concentrations of PCE in groundwater were detected at boring NM-B-32, just north of Building A. The nearest available data to the north are approximately 75 feet away. One of the borings will be advanced approximately 20 feet north of NM-B-32 to provide data close to the highest concentration area. A second boring will be advanced approximately halfway between the first boring and former boring NM-B-33 to provide additional spatial data for contouring purposes. These borings will be part of a transect in the highest concentration area.	<i>Groundwater:</i> VOCs by EPA Method 8260, dissolved oxygen, oxidation/reduction potential, temperature, pH, and specific conductance. <i>Soil:</i> VOCs by EPA Method 8260 (soil samples to be collected using field preservation in accordance with EPA Method 5035).
9	Evaluate VOC concentrations in soil vapor in the south parcel of the site.	Install four temporary soil vapor probes at approximately 5 feet bgs around boring SV-25, where PCE was detected in soil vapor at a low concentration.	PCE was detected in soil vapor sample SV-25 in the southern parcel, although was not detected in groundwater in that area. Three probes will be installed approximately 30 feet from of boring SV-25 to attempt to delineate the extent of impacts. A fourth probe is proposed west of the original sample, close to the property boundary and the location of mapped utility lines, which may be a potential conduit, to evaluate potential impacts from the west.	<i>Soil vapor:</i> VOCs by EPA Method TO-15.
10	Obtain additional information regarding subsurface structures and utilities to further evaluate migration pathways and sources.	Ground penetrating radar (GPR) and other utility locating methodologies will be used, as appropriate, to further evaluate the presence of unknown utilities and structures at the site.	Utilities have been identified at the site that include an on-site sewer lateral and drain line, and shallow water, electric, and gas lines. Given the current understanding of the distribution of PCE in groundwater at the site, it is possible that other subsurface utilities, and specifically sewer laterals, exist that may act as a source or migration pathway for distribution of VOCs in the subsurface.	NA

Attachment B

Trend Graph and Degradation Calculations

Predicted Time to Reach Water Quality Objectives in Well C-2

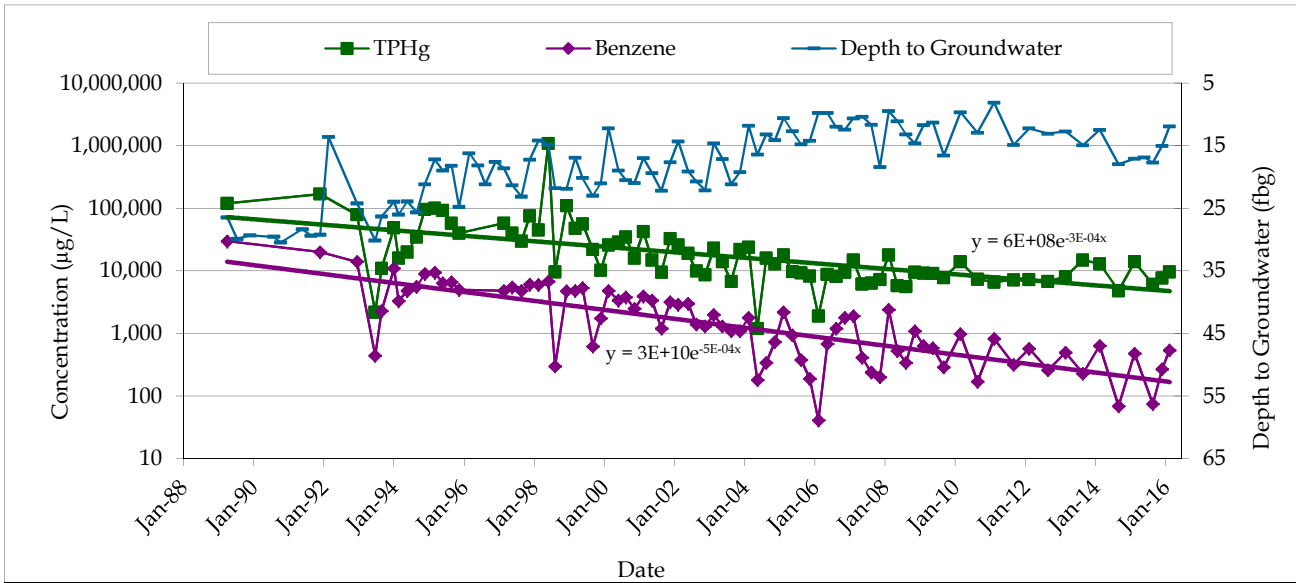
Chevron Service Station 9-0076, 4265 Foothill Boulevard, Oakland, CA

$$y = b e^{ax} \quad \implies \quad x = \ln(y/b) / a$$

where: y = concentration in $\mu\text{g/L}$ a = decay constant
 b = concentration at time (x) x = time (x) in days

Given	Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene
Water Quality Objective (WQO):	y	100	1
Constant:	b	6.16E+08	3.42E+10
Constant:	a	-2.77E-04	-4.51E-04
Starting date for current trend:		4/28/1989	4/28/1989

Calculate		TPHg	Benzene
Attenuation Half Life (years): $(-\ln(2)/a)/365.25$		6.84	4.21
Estimated Date to Reach WQO: $(x = \ln(y/b) / a)$		Apr 2054	Apr 2047



Predicted Time to Reach Water Quality Objectives in Well C-4

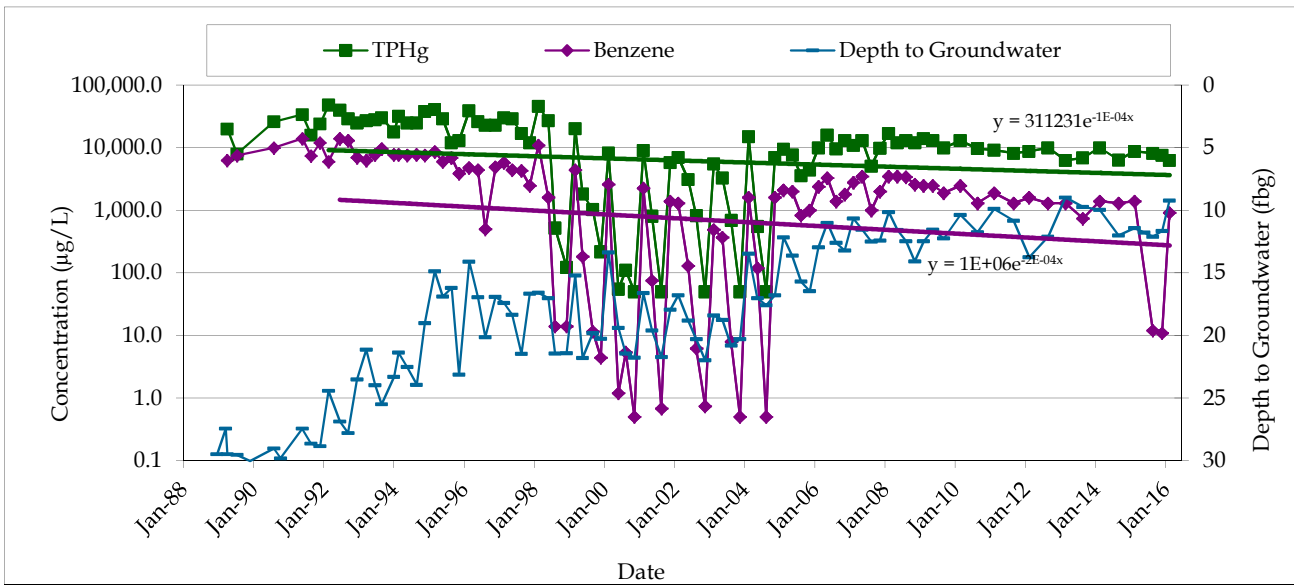
Chevron Service Station 9-0076, 4265 Foothill Boulevard, Oakland, CA

$$y = b e^{ax} \quad \implies \quad x = \ln(y/b) / a$$

where: y = concentration in $\mu\text{g/L}$ a = decay constant
 b = concentration at time (x) x = time (x) in days

	Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene
Given			
Water Quality Objective (WQO):	y	100	1
Constant:	b	3.11E+05	1.03E+06
Constant:	a	-1.05E-04	-1.94E-04
Starting date for current trend:		3/18/1992	7/14/1992

Calculate			
Attenuation Half Life (years): $(-\ln(2)/a)/365.25$	18.13	9.79	
Estimated Date to Reach WQO: $(x = \ln(y/b) / a)$	May 2110	Jul 2095	



CHEVRON SERVICE STATION 90076
 4265 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA



C-4: TPHG AND BENZENE
 CONCENTRATIONS AND DEPTH TO
 GROUNDWATER